

SONY®

4-472-074-11(1)

Interchangeable Lens Digital Camera

α Handbook

About the NEX-5T

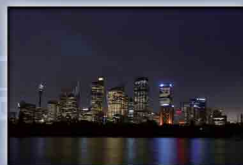
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GB

NEX-6/NEX-5R/NEX-5T

About the NEX-5T

The NEX-5T is equipped with all the functions of the NEX-5R.

This section, “About the NEX-5T,” describes the added functions of the NEX-5T, the procedure for using them, and the differences between the NEX-5R and the NEX-5T. For shared functions among the NEX-5R and the NEX-5T, refer to sections other than “About the NEX-5T.”

Also, refer to the instruction manual of the NEX-5T and the flyer “Wi-Fi Connection/One-touch (NFC) Guide.”

Added functions of the NEX-5T

The following functions have been added to the NEX-5T compared to the NEX-5R.

Added functions	Description
One-touch functions	With just one touch, the camera automatically sets the SSID and the password to connect to an NFC-enabled Android Smartphone or tablet computers.
One-touch sharing (Send to Smartphone)	When the camera is in playback mode, you can connect the camera and an NFC-enabled Android Smartphone with one touch, and send images to the Smartphone.
Smart Remote Embedded	You can use your Smartphone as a remote controller for the camera. Use the factory preset application [Smart Remote Embedded] on the camera. If you use an NFC-enabled Android Smartphone, you can connect the camera and the Smartphone with a one-touch operation (One-touch remote).
One-touch(NFC)	You can call up an application installed on the camera by touching an NFC-enabled Android Smartphone to the camera.
Airplane Mode	When you board an airplane, etc., you can turn off all Wi-Fi and NFC functions temporarily.



About NFC

NFC is a technology that enables short-range wireless communication between various devices, such as mobile phones or IC tags, etc. NFC makes data communication simpler with just a touch on the designated touch-point.

- NFC (Near Field Communication) is an international standard of short-range wireless communication technology.

Renamed functions on the NEX-5T

On the NEX-5T, the following functions have been renamed from the NEX-5R, but the features are the same.

To search for these functions in this handbook, use the NEX-5R function names.

NEX-5R function name	NEX-5T function name
Object Tracking	Tracking Focus
Reset View on Smartphone	SSID/PW Reset
View on Smartphone	Send to Smartphone

One-touch sharing (Sending an image to a Smartphone)

With just one touch, you can connect the camera and an NFC-enabled Android Smartphone, and send an image displayed on the camera screen directly to the Smartphone.

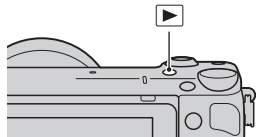
Download and install the application “PlayMemories Mobile” from your Smartphone’s application store.

If “PlayMemories Mobile” is already installed on your Smartphone, be sure to update it to the latest version.

For details on “PlayMemories Mobile,” refer to the support page (<http://www.sony.net/pmm/>).

To send images to an iPhone, or to an Android Smartphone without the NFC function, refer to “Sending images without using the NFC function”.

- 1 Play back a single image to be sent on the camera.

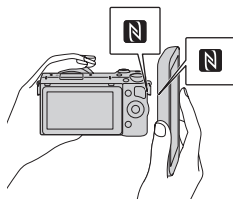


- 2 Activate the NFC function of the Smartphone.

- Refer to the instruction manual of the Smartphone on how to activate the NFC function.

3 Touch the Smartphone to the camera, aligning both N marks.

The camera and the Smartphone are connected, and “PlayMemories Mobile” automatically launches on the Smartphone, and then the displayed image is sent to the Smartphone.



- The NFC function is available only when the **N** (N mark) is displayed on the camera.
- Touch the Smartphone to the camera for more than two seconds until “PlayMemories Mobile” launches.
- If you cannot find an N mark on the Smartphone, confirm the touch-point referring to the instruction manual of the Smartphone.
- You can select an image size to be sent to the Smartphone from [Original], [2M] or [VGA].
To change the image size: For Android, select [Image quality] from the “PlayMemories Mobile” menu, and for iPhone, select the setting menu → “PlayMemories Mobile” → [Image quality].

Notes

- When the camera plays back images in index mode, you cannot send images using One-touch sharing.
- When [Airplane Mode] is set to [On], you cannot connect the camera and the Smartphone. Set [Airplane Mode] to [Off].
- RAW images are converted to JPEG format when they are sent.
- You cannot send AVCHD format movies.

Traveling to the download website of “PlayMemories Mobile” with one touch

When you touch an NFC-enabled Android Smartphone to the N mark on the camera, and if “PlayMemories Mobile” is not installed on that Smartphone, the web browser launches and displays the application store to enable you to download “PlayMemories Mobile.”

Selecting the desired mode and sending images (Send to Smartphone)

Set the image selection mode and then send images to a Smartphone.


Download and install the application “PlayMemories Mobile” from your Smartphone’s application store.

If “PlayMemories Mobile” is already installed on your Smartphone, be sure to update it to the latest version.

For details on “PlayMemories Mobile,” refer to the support page (<http://www.sony.net/pmm/>).

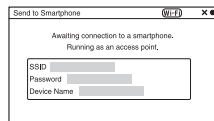
Connecting the camera and a Smartphone using One-touch connection

1 MENU → [Playback] → [Send to Smartphone] → desired mode.

- When you press  (Send to Smartphone) on the camera, proceed to step ① of [Select on This Device].

Select on This Device	Selects images to be sent to the Smartphone from the camera. ① Select a mode from [This Image], [All Images on This Date], [All Movie(MP4) on Date], or [Multiple Images]. ② [OK] → ● on the control wheel If you select [Multiple Images], select the desired images using ● on the control wheel, then press [OK] → ●.
Select on Smartphone	Displays all images recorded on the camera’s memory card on the Smartphone.

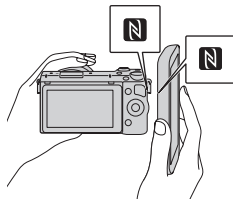
When the camera is ready for the connection, the information screen appears.




2 Activate the NFC function of the Smartphone.

3 Touch the Smartphone to the camera, aligning both N marks.

The camera and the Smartphone are connected, and “PlayMemories Mobile” launches on the Smartphone, and then the selected images are sent to the Smartphone.




- The NFC function is available only when the  (N mark) is displayed on the camera.
- Touch the Smartphone to the camera for more than two seconds until “PlayMemories Mobile” launches.
- If you cannot find an N mark on the Smartphone, confirm the touch-point by referring to the instruction manual of the Smartphone.
- You can select an image size to be sent to the Smartphone from [Original], [2M] or [VGA]. To change the image size: For Android, select [Image quality] from the “PlayMemories Mobile” menu, and for iPhone, select the setting menu → “PlayMemories Mobile” → [Image quality].

Notes

- When [Airplane Mode] is set to [On], you cannot connect the camera and the Smartphone. Set [Airplane Mode] to [Off].
- RAW images are converted to JPEG format when they are sent.
- You cannot send AVCHD format movies.

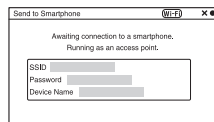
Sending images without using the NFC function

1 MENU → [Playback] → [Send to Smartphone] → desired mode.

- When you press  (Send to Smartphone) on the camera, proceed to step ① of [Select on This Device].

Select on This Device	<p>Selects images to be sent to the Smartphone from the camera.</p> <p>① Select a mode from [This Image], [All Images on This Date], [All Movie(MP4) on Date], or [Multiple Images].</p> <p>② [OK] → ● on the control wheel If you select [Multiple Images], select the desired images using ● on the control wheel, then press [OK] → ●.</p>
Select on Smartphone	Displays all images recorded on the camera’s memory card on the Smartphone.

When the camera is ready for the connection, the information screen appears.



2 Connect the Smartphone and the camera using the SSID and password on the information screen.

- You can select an image size to be sent to the Smartphone from [Original], [2M] or [VGA]. To change the image size: For Android, select [Image quality] from the “PlayMemories Mobile” menu, and for iPhone, select the setting menu → “PlayMemories Mobile” → [Image quality].

[For Android]

[For iPhone]

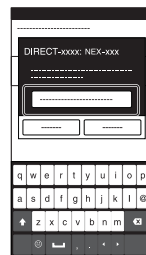
Connecting an Android Smartphone to the camera

- 1 Launch "PlayMemories Mobile" on your Smartphone.
- 2 Select the model name of this camera (DIRECT-xxxx:NEX-5T).



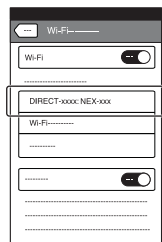
- 3 Input the password that is displayed on the camera.

The Smartphone is connected to the camera.



Connecting an iPhone to the camera

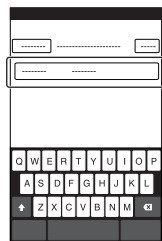
- 1 Select the model name of this camera (DIRECT-xxxx:NEX-5T) on the Wi-Fi setting screen of your Smartphone.



- 2 Input the password that is displayed on the camera.

The Smartphone is connected to the camera.

- 3 Launch "PlayMemories Mobile" on the Smartphone.



Notes

- When [Airplane Mode] is set to [On], you cannot connect the camera and the Smartphone. Set [Airplane Mode] to [Off].
- RAW images are converted to JPEG format when they are sent.
- You cannot send AVCHD format movies.

Smart Remote Embedded

You can use a Smartphone as the remote controller for the camera, and shoot still images. Still images shot via remote control are sent to the Smartphone from the camera. Download and install the application “PlayMemories Mobile” from your Smartphone’s application store.

If “PlayMemories Mobile” is already installed on your Smartphone, be sure to update it to the latest version.

For details on “PlayMemories Mobile,” refer to the support page (<http://www.sony.net/pmm/>).

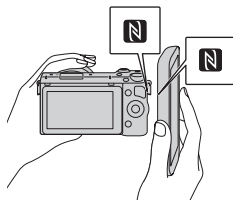
To send images to an iPhone, or to an Android Smartphone without the NFC function, refer to “Launching [Smart Remote Embedded] without using One-touch remote.”


Launching [Smart Remote Embedded] using One-touch remote

With a one-touch operation, you can connect the camera to an NFC-enabled Android Smartphone, and operate the camera and shoot still images remotely using the Smartphone as a controller (One-touch remote).

- 1 Activate the NFC function of the Smartphone.
- 2 Switch the camera to shooting mode.
- 3 Touch the Smartphone to the camera, aligning both N marks.

The Smartphone and the camera are connected, and “PlayMemories Mobile” launches. On the camera, [Smart Remote Embedded] launches.



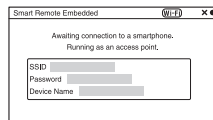
- The NFC function is available only when the  (N mark) is displayed on the camera.
- Touch the Smartphone to the camera for more than two seconds until “PlayMemories Mobile” launches.
- If you cannot find an N mark on the Smartphone, confirm the touch-point by referring to the instruction manual of the Smartphone.
- If [Smart Remote Embedded] does not launch, first select [Smart Remote Embedded] under MENU → [Setup] → [One-touch(NFC)].

Notes

- When [Airplane Mode] is set to [On], you cannot connect the camera and the Smartphone. Set [Airplane Mode] to [Off].

Launching [Smart Remote Embedded] without using One-touch remote

- 1 MENU → [Application] → [Smart Remote Embedded].
- 2 When the camera is ready for the connection, an information screen appears on the camera. Connect the Smartphone and the camera using that information.

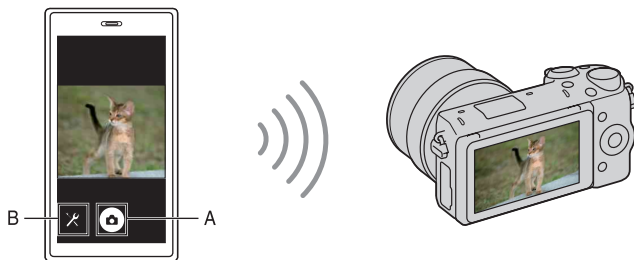


[For Android]
[For iPhone]

Operating the camera using [Smart Remote Embedded]

Check the composition of the image on the Smartphone screen, and then press the shutter button (A) on the Smartphone to shoot an image.

- Use button (B) to change the [EV], [Self-Timer] and [Review Check] settings.



Notes

- [Smart Remote Embedded] is available when the shooting mode is set to [Intelligent Auto], [Scene Selection], [Manual Exposure], [Shutter Priority], [Aperture Priority] or [Program Auto]. When the shooting mode is set to a mode other than the modes above, it is automatically switched to [Intelligent Auto].
- [Smart Remote Embedded] is not available for movie shooting.
- When [Quality] is set to [RAW] or [RAW & JPEG], it is automatically changed to [Fine].
- If a memory card is not inserted in the camera, you can shoot still images and send them to a Smartphone. However, the images shot will not be saved on the camera.

One-touch(NFC)

You can call up a desired application from the application menu of the camera by touching an NFC-enabled Android Smartphone to the camera. If the application you call up has a feature that works with the Smartphone, the camera and the Smartphone will be connected via Wi-Fi.

To use this function, register the desired application in advance.

- 1 MENU → [Setup] → [One-touch(NFC)] → desired application.
- 2 Switch the camera to shooting mode.
- 3 Touch an NFC-enabled Android Smartphone to the N mark on this camera for more than two seconds.
 - “PlayMemories Mobile” launches on the Smartphone, and the application you have registered in Step 1 launches on the camera.

Notes

- When the camera is in playback mode, the registered application will not launch even if you touch the Smartphone to the camera.
- When you call up an application with one touch, even if that application does not work with a Smartphone, “PlayMemories Mobile” on Smartphone launches. Exit “PlayMemories Mobile” without performing an operation.

Airplane Mode

When you board an airplane, etc., you can turn off all Wi-Fi and NFC functions temporarily.

- 1 MENU → [Setup] → [Airplane Mode] → desired mode.
 - If you set [Airplane Mode] to [On], an ✈️ (airplane) mark will be displayed on the screen.

Troubleshooting

Wi-Fi/NFC

Cannot find the wireless access point to be connected.

- Wireless access points may not be displayed on the camera due to signal conditions. Place the camera closer to the wireless access point.
- Wireless access points may not be displayed on the camera depending on the access point settings. Refer to the instruction manual of the wireless access point.

[WPS Push] does not work.

- [WPS Push] may not work depending on the access point settings. Check the SSID and password of the wireless access point, and perform [Access Point Settings].

[Send to Computer] is canceled halfway.

- When the battery remaining level of the camera is low, [Send to Computer] may be canceled halfway. Charge the battery pack and try again.

Cannot send movies to the Smartphone.

- For movies, only MP4-format file can be sent to the Smartphone. To record MP4-format movies, select MENU → [Image Size] → [File Format] → [MP4].

[Send to Smartphone] is canceled halfway.

- When the battery remaining level of the camera or Smartphone is low, [Send to Smartphone] may be canceled halfway. Charge the battery pack and try again.

The shooting screen is not displayed smoothly./The connection between the camera and the Smartphone is disconnected.

- Data communication between the camera and the Smartphone may fail due to signal conditions. Place the camera closer to the Smartphone.

Shooting using [Smart Remote Embedded] is canceled halfway.

- When the battery remaining level of the camera or the Smartphone is low, shooting using [Smart Remote Embedded] may be canceled halfway. Charge the battery pack and try again.

Cannot connect the camera to a Smartphone using the One-touch function.

- Place the N mark on the Smartphone and the N mark on the camera as close as possible. If there is no response, move the Smartphone a few millimeters or move the Smartphone away from the camera, wait more than 10 seconds, and then touch them together again.
- If you cannot make a connection, do as the following:
 - Launch “PlayMemories Mobile” on your Smartphone, and then move the Smartphone slowly toward the N mark of the camera.
 - If the Smartphone is in a case, remove it.
 - If the camera is in a case, remove it.
- Make sure the strap isn't covering the N mark on the camera when touching the Smartphone to the camera.
- [Airplane Mode] is activated. Set [Airplane Mode] to [Off].
- When the camera plays back images in index mode, you cannot connect the camera and the Smartphone with one touch.
- Check whether the NFC function is activated on your Smartphone. For details, refer to the instruction manual of the Smartphone.
- Do not place any metal objects other than a Smartphone near the N mark.
- Do not contact two or more Smartphones to the camera at the same time.
- If another NFC-based application is running on your Smartphone, terminate that application.

Cannot download applications using the camera's Wi-Fi.

- If the IP address of the camera is fixed, you cannot download applications using Wi-Fi. Select MENU → [Setup] → [Access Point Settings] → access point to be connected, then set [IP Address Setting] to [Auto]. Or connect the camera and the computer using a USB cable, and then download an application via the computer.

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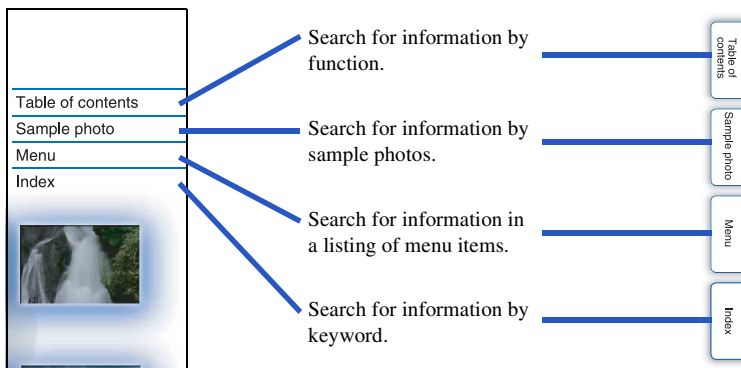
V

View on Smartphone ii

How to use this handbook

Click on a button at upper right on the cover and each page to jump to the corresponding page.

This is convenient when searching for a function you want to use.




Marks and notations used in this handbook

In this handbook, the sequence of operations is shown by arrows (→). Operate the camera in the order indicated.

The default setting is indicated by ✓.

Indicates cautions and limitations relevant to the correct operation of the camera.

The photographs used as examples of pictures in this manual are reproduced images, and are not actual images shot using this camera.

The  mark indicates information that is useful to know.

Red Eye Reduction

When using the flash, it is fired 2 or more times before shooting to reduce the red-eye phenomenon.

↓ MENU → [Setup] → [Red Eye Reduction] → desired setting.

☑	Line frame is always active to reduce the red-eye phenomenon.
☐	Does not use [Red Eye Reduction].

Notes

- You cannot use [Red Eye Reduction] in the following situations:
 - [BlankShot Twilight] or [Anti Motion Blur] in [Scene Selection]
 - [Burst Shot], [Wireless], [ND/Ex-only] or [Flash Off] in [Flash Mode]
 - [Shutter Start]
 - [Image Rotation]
- [Red Eye Reduction] may not produce the desired effects. It depends on individual differences and conditions, such as distance to the subject, or if the subject does not look at the pre-strobe.

What causes the red-eye phenomenon?

Pupils become dilated in dark environments. Flash light is reflected off the blood vessels at the back of the eye (retina), causing the "red-eye" phenomenon.

Camera

Eye

Photo

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This manual covers the NEX-6 and NEX-5R.

Illustrations and display on the screen are for the NEX-6 unless otherwise noted.

The main characteristics of each model are as follows:

Model name	Mode dial	Touch panel	Viewfinder	Flash
NEX-6	Compatible	Incompatible	Internal	Internal/ External (sold separately)
NEX-5R	Incompatible	Compatible	External (sold separately)	External (supplied)

Sample photo

“This is the scene I want to capture in a photo, but how can I do?”

You may find the answer by going through the sample photos listed here. Click the desired sample photo.

Shooting people (page 8)

Shooting macro photos (page 9)

Shooting landscapes (page 10)

Shooting sunset/night scenes (page 11)

Shooting fast moving subjects (page 12)

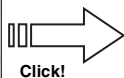
If you click on a photo, the screen will jump to the page describing the function recommended for shooting that kind of photo.

Refer to those descriptions in addition to the shooting tips displayed on the screen of the camera.

See the pages in parentheses for details of operation.



A happy smile (91)



Smile Shutter

When the camera detects a smile, the shutter is released automatically.

- MENU → [Camera] → [Smile Shutter] → [On].
OPTION → desired setting.
- Wait for a smile to be detected.
When the smile level exceeds the **4** point on the indicator, the camera records images automatically.
If you press the shutter button during [Smile Shutter] shooting, the camera shows the image, and then returns to [Smile Shutter] mode.
- To exit [Smile Shutter] mode, MENU → [Camera] → [Smile Shutter] → [Off].

<input checked="" type="checkbox"/> [Off (Off)]	Does not use the Smile Shutter.
<input type="checkbox"/> [On]	Uses the Smile Shutter.

You can set the sensitivity to detect a smile with OPTION.

<input type="checkbox"/> [On: Big Smile]	Detects a big smile.
<input checked="" type="checkbox"/> [On: Normal Smile]	Detects a normal smile.
<input type="checkbox"/> [On: Slight Smile]	Detects even a slight smile.

Notes

- You cannot use [Smile Shutter] with the following functions:
 - [Handheld Twilight] / [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Manual Focus]
- If you set [Smile Shutter] to [On] while the [Zoom] feature of the camera is being used, the [Zoom] feature of the camera is canceled.
- Smiles may not be detected correctly depending on the conditions.
- The [Drive Mode] turns to [Single Shooting] automatically.

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Continued ↓

Shooting people



A person stands out, while backgrounds blurred away (43)



The same scene with different brightness (58)



A happy smile (91)



A person in candle light (69)



A person in front of night view (68)



A moving person (60)



A group photo (56, 57)



A person lit from behind (77)



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Preventing camera-shake for indoor shots (60)



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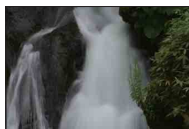
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Shooting landscapes



The sky in vivid colors (52)



Running water (74)



Vivid green colors (114)



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Expressing vigorous action (74)



Shooting the subject approaching the camera (79)



Capturing the best moment (55)

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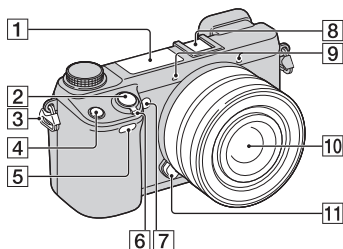
Sample photo

Menu

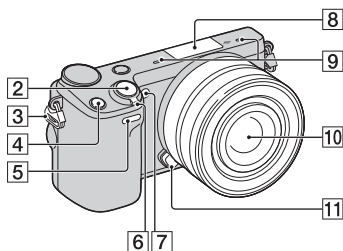
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Identifying parts

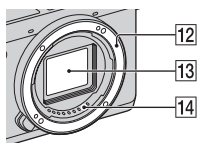
NEX-6



NEX-5R



When the lens is removed



See the pages in parentheses for details on operation for the parts.

- 1 Flash (77)
- 2 Shutter button (36)
- 3 Hook for shoulder strap
- 4 Fn (Function) button (62)
- 5 Remote sensor (59)
- 6 ON/OFF (Power) switch
- 7 AF illuminator/Self-timer lamp/Smile Shutter lamp
- 8 Multi Interface Shoe ¹⁾²⁾ (NEX-6)/Smart Accessory Terminal 2 ³⁾ (NEX-5R)
- 9 Microphone ⁴⁾
- 10 Lens
- 11 Lens release button
- 12 Mount
- 13 Image sensor ⁵⁾
- 14 Lens contacts ⁵⁾

1) For details on compatible accessories of the Multi Interface Shoe, visit the Sony web site in your area, or consult your Sony dealer or local authorized Sony service facility. Accessories for the Accessory Shoe can also be used. Operations with other manufacturers' accessories are not guaranteed.

ni Multi Interface Shoe

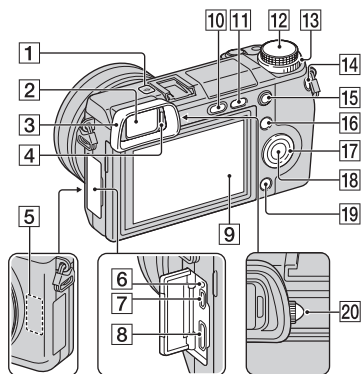
Accessory Shoe

2) Accessories for the Auto-lock Accessory Shoe can also be attached using the Shoe Adaptor (sold separately).

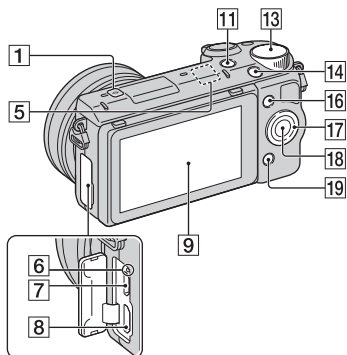
Auto-lock Accessory Shoe

3) Accessories for the Smart Accessory Terminal can be also attached.
You cannot use the [Self-portrait Self-timer] function when a flash HVL-F7S (supplied) or accessories are attached to the Smart Accessory Terminal 2.
4) Do not cover this part during movie recording.
5) Do not touch this part directly.

NEX-6



NEX-5R

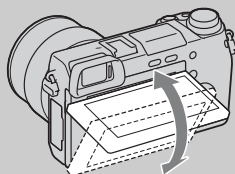


- 1 Image sensor position mark (79)
- 2 Viewfinder (NEX-6 only)
- 3 Eyepiece cup (NEX-6 only)
 - Not attached to the camera at the factory.
- 4 Eye sensor (NEX-6 only)
- 5 Wi-Fi sensor (built-in)
- 6 Charge lamp
- 7 Micro USB terminal (211)
- 8 HDMI terminal (203)
- 9 LCD screen (NEX-6 only) /
LCD screen/Touch panel (NEX-5R only)
- 10 (Flash pop-up) button (NEX-6 only)
(77)
- 11 (Playback) button (39)
- 12 Mode dial (NEX-6 only) (28)
- 13 Control dial (25)
- 14 MOVIE button (36)
- 15 AEL button (NEX-6 only) (165)
- 16 Soft key A (26)
- 17 Control wheel (23)
- 18 Soft key C (26)
- 19 Soft key B (26)
- 20 Diopter-adjustment dial (NEX-6 only)

LCD screen

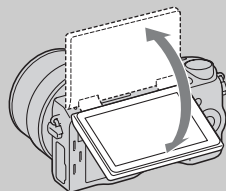
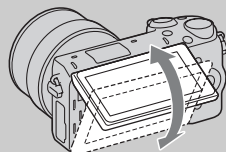
NEX-6:

- You can adjust the LCD screen to an easily viewable angle and shoot from any position.
- You can adjust the LCD screen upward by about 90 degrees.

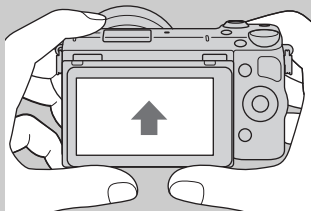


NEX-5R:

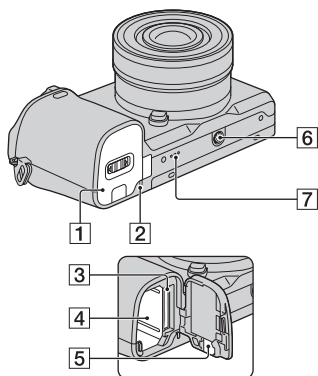
- You can adjust the LCD screen to an easily viewable angle and shoot from any position.
- Tilt the LCD screen upward about 180 degrees when you take a self-portrait. The 3-second delay self-timer is automatically selected in the default setting (page 141).



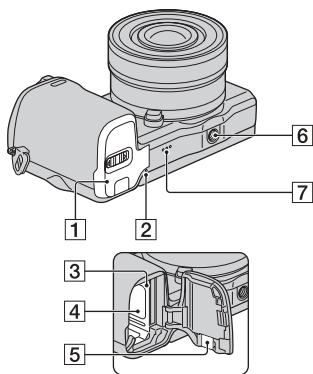
- When storing the LCD screen after Self-portrait shooting, lower the LCD screen completely until it fits against the camera body, then slide the LCD screen upward until both the bottoms of the LCD screen and the camera body are aligned.



NEX-6



NEX-5R



1 Battery/memory card cover

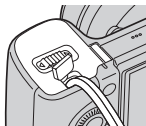
2 Access lamp

3 Memory card insertion slot

4 Battery compartment

5 Connection plate cover

- Use this when using an AC-PW20 AC Adaptor (sold separately). Insert the connection plate into the battery compartment, and then pass the cord through the connection plate cover as shown below.



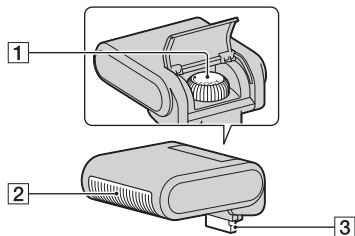
- Make sure that the cord is not pinched when you close the cover.

6 Tripod socket hole

- Use a tripod with a screw length of less than 5.5 mm (7/32 inch). You will be unable to firmly secure the camera to tripods using screws longer than 5.5 mm (7/32 inch), and may damage the camera.

7 Speaker

Flash HVL-F7S (NEX-5R only)

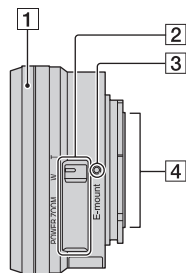


- 1 Screw
- 2 Flash¹⁾
- 3 Connector¹⁾

¹⁾ Do not touch this part directly.
If it is dirty, wipe it off with a soft clean cloth.

Lens

E PZ 16 – 50 mm F3.5–5.6 OSS (supplied with NEX-6L/6Y/5RL/5RY)



- 1 Zooming/Focusing ring
- 2 Zooming lever
- 3 Mounting index
- 4 Lens contacts¹⁾

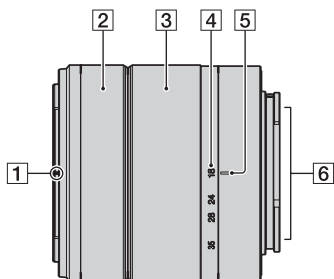
¹⁾ Do not touch this part directly.

Using the Zooming/Focusing ring

When an E PZ 16 – 50 mm F3.5–5.6 OSS lens is attached, functions assigned to the Zooming/Focusing ring change according to the [AF/MF Select] settings (page 79).

AF/MF Select	Function assigned to the Zooming/Focusing ring
AF (Autofocus)	Zoom
DMF (DMF (Direct manual focus))	Before pressing the shutter button halfway down: Zoom While pressing the shutter button halfway down: Focus
MF (Manual Focus)	Focus

E18 – 55 mm F3.5-5.6 OSS (supplied with NEX-5RK)



- 1 Hood index
- 2 Focusing ring
- 3 Zooming ring
- 4 Focal-length scale
- 5 Focal-length index
- 6 Lens contacts ¹⁾
- 7 Mounting index

¹⁾ Do not touch this part directly.

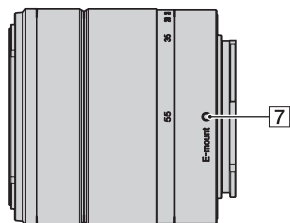


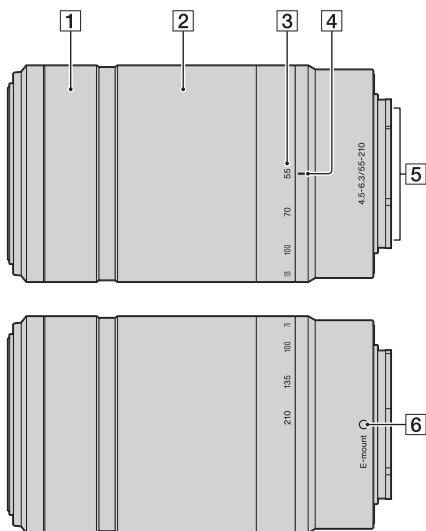
Table of contents

Sample photo

Menu

Index

E55 – 210 mm F4.5-6.3 OSS (supplied with NEX-6Y/5RY)



- 1** Focusing ring
- 2** Zooming ring
- 3** Focal-length scale
- 4** Focal-length index
- 5** Lens contacts ¹⁾
- 6** Mounting index

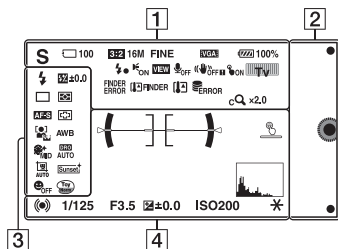
¹⁾ Do not touch this part directly.

List of icons on the screen

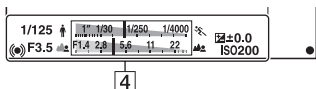
Icons are displayed on the screen to indicate the camera status.

You can change the screen display using DISP (Display Contents) on the control wheel (page 49).

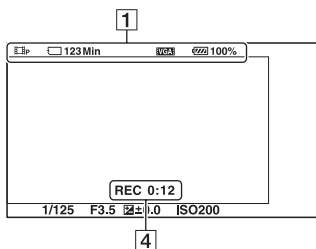
Shooting standby



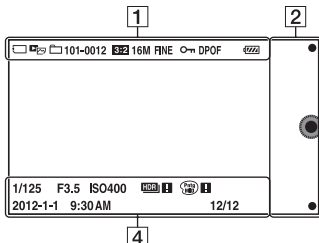
Graphic Display



Movie recording



Playback



1

Display	Indication
	Shoot Mode
	Scene Selection
	Scene Recognition icon
	Memory card/Upload
100	Number of recordable still images
123Min	Recordable time of movies
3:2 16:9	Aspect ratio of still images
16M 14M 8.4M 7.1M 4M 3.4M WIDE STD	Image size of still images
RAW RAW+J FINE STD	Image quality of still images
60i/50i FX 60i/50i FH 60p/50p PS 24p/25p FX 24p/25p FH 1080i VGA	Recording mode of movies
100%	Remaining battery
	Flash charge in progress
ON	AF illuminator
VIEW	Live view













Display	Indication
	Does not record sound during movie recording
	Touch operation status (Touch Shutter/Object Tracking/Touch operation off) (NEX-5R only)
	Wind noise reduction is activated
	SteadyShot/SteadyShot warning
	Control dial
	Electronic Viewfinder (sold separately) connection error (NEX-5R only)
	Electronic Viewfinder (sold separately) overheating warning (NEX-5R only)
	Overheating warning
	Database file full/ Database file error
	Zoom scaling
	Smart Zoom
	Clear Image Zoom
	Digital Zoom
	View mode
101-0012	Playback folder – File number
	Protect
DPOF	Print order
	Wi-Fi wave being emitted

2

Display	Indication
	Soft keys

3

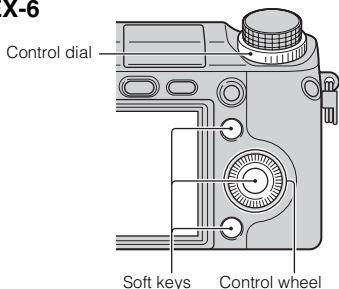
Display	Indication
	Flash Mode/Red Eye Reduction (WL is only for NEX-6)
	Flash compensation
	Drive Mode
	Self-portrait Self-timer (NEX-5R only)
	Metering Mode
	Focus mode
	Focus area mode
	Face Detection
	White Balance
	Soft Skin Effect
	DRO/Auto HDR
	Auto Port. Framing
	Creative Style
	Smile Shutter
	Picture Effect
	Smile detection sensitivity indicator

Display	Indication
	Level
	Phase Detection AF ranging points
	Focus status
1/125	Shutter speed
F3.5	Aperture value
	Metered manual
 -3+2+1+0+1+2+3+	Exposure compensation
ISO400	ISO sensitivity
	AE lock
	Shutter speed indicator
	Aperture indicator
REC 0:12	Recording time of the movie (m:s)
2012-1-1 9:30AM	Recorded date/time of the image
12/12	Image number/Number of images in the view mode
	Appears when HDR did not work on the image.
	Appears when [Picture Effect] did not work on the image.
	Touch shutter ON/OFF switch (NEX-5R only)
	Histogram

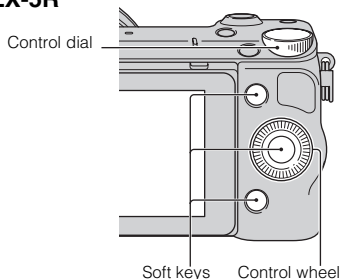
Operating the camera

The control wheel, control dial, soft key and touch panel (NEX-5R only) allow you to use various functions of the camera.





NEX-6

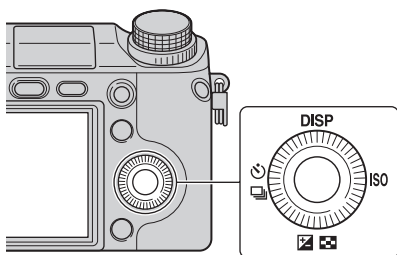


NEX-5R

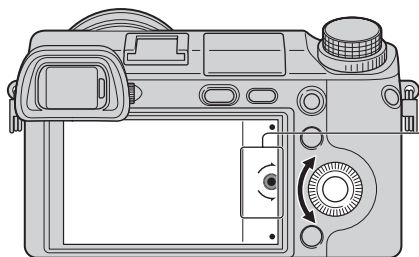


Control wheel

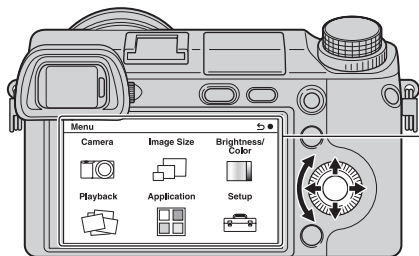
When shooting, DISP (Display Contents),  (Exposure Comp.),  /  (Drive Mode), and ISO (ISO) functions are assigned to the control wheel. When playing back, DISP (Display Contents) and  (Image Index) functions are assigned to the control wheel.



When you turn or press the top/bottom/right/left parts of the control wheel following the on-screen display, you can select setting items. Your selection is determined when you press the center of the control wheel.



The arrow means you can turn the control wheel.



When options are displayed on the screen, you can browse through them by turning or pressing the top/bottom/right/left parts of the control wheel. Press the center to make your choice.

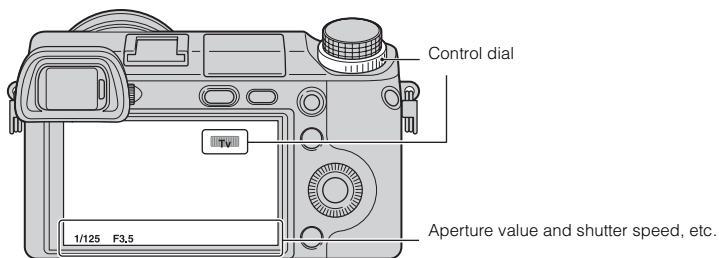
Notes

- The application downloading function may not be available in some countries/regions.

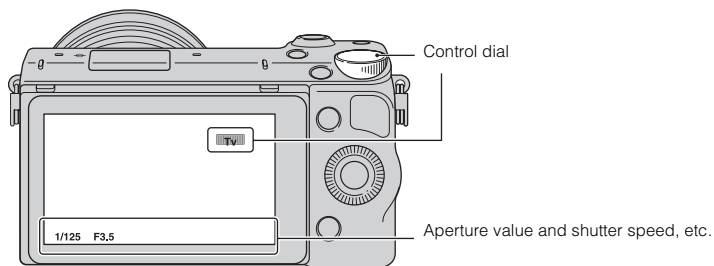
Control dial

You can set the aperture value and shutter speed, etc. by turning the control dial. The setting value assigned to the control dial changes for each shooting mode.

NEX-6



NEX-5R



Soft keys

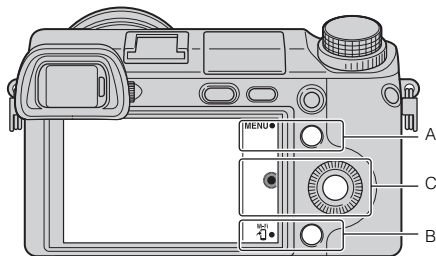
The soft keys have different roles, depending on the context.

The assigned role (function) of each soft key is shown on the screen.

To use the function shown at the upper right corner of the screen, press soft key A. To use the function shown at the lower right corner of the screen, press soft key B. To use the function shown at the center, press the center of the control wheel (soft key C).

You can assign the functions to the soft key B (page 163).

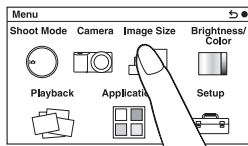
In this handbook, the soft keys are indicated by the icon or the function shown on the screen.



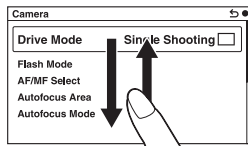
In this case, soft key A works as the MENU (Menu) button, and soft key B as $\frac{1}{2}$ (View on Smartphone) button.

Touch panel (NEX-5R only)

You can operate the camera intuitively by touching the screen or sliding your finger across the screen. Touch the item on the screen to select it. Slide your finger across the screen to scroll down to hidden items.



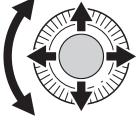
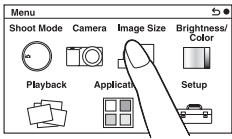
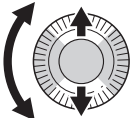
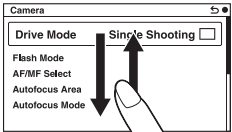
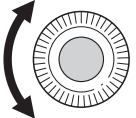
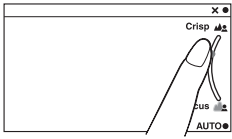
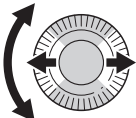
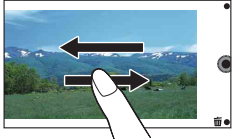
Touch the item to select it.



Sliding your finger across the screen scrolls the items. Items on the screen are replaced with items that were out of view.

Operations (NEX-5R only)

You can select items and make settings in two ways; by one is using the control wheel, or by the other is touching and sliding your finger across the screen (Touch panel).

Operation	Control wheel	Touch panel
Selecting an item	Turn or press the top/bottom/left/right parts of the control wheel, and then press the center. 	Touch the desired item. 
Displaying a hidden item	Keep turning or pressing the top/bottom parts of the control wheel until the item scrolls onto the screen. 	Slide your finger up or down on the screen until the item scrolls into view. 
Setting a value or adjust the defocusing level	Turn the control wheel. 	Slide the indicator with your finger. 
Playing the next or the previous image	Turn the control wheel or press the left/right parts. 	Slide your finger left or right on the playback screen. 

Notes

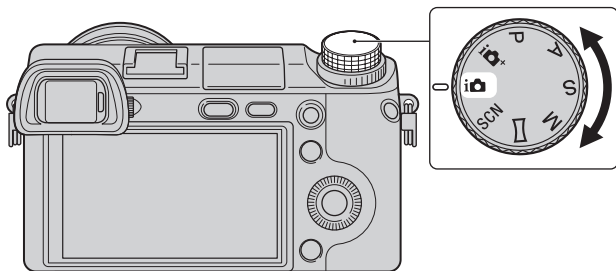
- You can perform most operations using both the control wheel/soft keys and the touch panel. However, some operations can be performed only using one or the other.
- Avoid the followings when using the touch panel:
 - Using a pointed object, such as a pencil, ball-point pen, or the tip of a finger nail.
 - Operating the touch panel while the hand holding the camera is also touching the screen elsewhere.

Shooting mode

Select a shooting mode based on the subject.

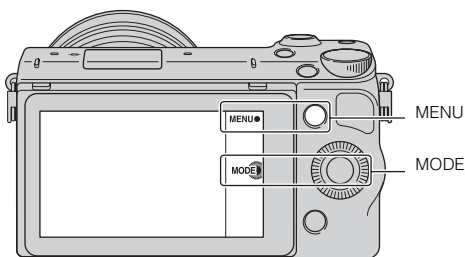
NEX-6:

- 1 Turn the mode dial and set to the desired shooting mode.



NEX-5R:

- 1 MENU → Select [Shoot Mode].
Or select MODE.

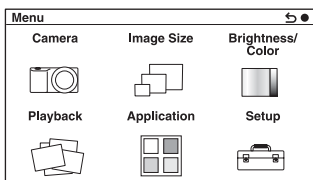


- 2 Turn the control wheel and select the desired shooting mode, and then press the center.
Or, slide your finger across the screen upward or downward to move the desired mode to the center of the screen, then touch the desired mode.

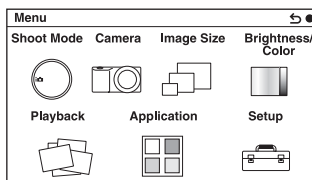
Menu

You can set up the basic settings for the camera as a whole, or execute functions such as shooting, playback, or other operations.

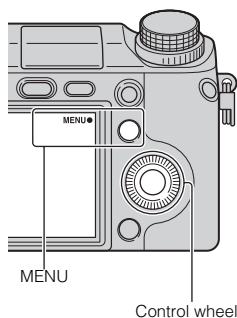
NEX-6



NEX-5R



- 1 Select MENU.
- 2 Select the desired item by pressing the top/bottom/right/left parts of the control wheel, and then press the center.
- 3 Following the instructions on the screen, select the desired item and press the center of the control wheel to make your choice.



Notes

- The application downloading function may not be available in some countries/regions.

Shoot Mode (NEX-5R only)

Allows you to select a shooting mode, such as exposure mode, panoramic, [Scene Selection].

Superior Auto	Shoots images with a wider range of shooting functions than those of Intelligent Auto shooting. Recognizes and evaluates the shooting conditions automatically, performs Auto HDR, and chooses the best image.
Intelligent Auto	The camera evaluates the subject and makes the proper settings. You can enjoy automatic shooting with the appropriate settings.
Scene Selection	Shoots with preset settings according to the subject or condition.
Sweep Panorama	Shoots with panoramic size.
Manual Exposure	Adjusts the aperture and shutter speed.
Shutter Priority	Adjusts the shutter speed to express the movement of the subject.
Aperture Priority	Adjusts the range in focus, or defocuses the background.
Program Auto	Automatic shooting that allows you to customize settings, except for the exposure (shutter speed and aperture).

Camera

Allows you to set shooting functions, such as continuous shooting, self-timer, and flash.

Drive Mode	Selects the drive mode, such as continuous shooting, self-timer, or bracket shooting.
Flash Mode	Selects the method used to fire the flash.
AF/MF Select	Selects auto focusing or manual focusing.
Autofocus Area	Selects the area to be focused on.
Autofocus Mode	Selects the autofocus method.
Touch Shutter (NEX-5R only)	Sets whether to use the touch shutter function.
Object Tracking	Keeps the focus on a subject while tracking it.
Zoom	Sets the zoom scale of the [Zoom] feature of the camera.
Face Detection	Detects people's faces automatically, and adjusts focus and exposure to suit the faces.
Face Registration	Registers or changes the person to be given priority in the focus.
Smile Shutter	Each time the camera detects a smile, the camera releases the shutter automatically.
Auto Port. Framing	Analyzes the scene when capturing a face and saves another image with a more impressive composition.
Soft Skin Effect	Shoots the skin smoothly in the Face Detection function.
Shooting Tip List	Allows you to access all shooting tips.

LCD Display (DISP)	Changes the information to be displayed on the LCD screen.
Finder Display(DISP)	Changes the information to be displayed on an Electronic Viewfinder (sold separately for the NEX-5R).
DISP Button(Monitor)	Allows you to select the kind of information to be displayed on the LCD screen when you press the DISP button.

Image Size

Allows you to set the image size and aspect ratio.

Still	
Image Size	Selects the image size.
Aspect Ratio	Selects the aspect ratio.
Quality	Selects the compression format.
Panorama	
Image Size	Selects the image size of panoramic images.
Panorama Direction	Selects the direction to pan the camera when shooting panoramic images.
Movie	
File Format	Selects AVCHD or MP4.
Record Setting	Selects the image size, frame rate, and image quality of movies.

Brightness/Color

Allows you to make brightness settings such as metering mode, and color settings such as white balance.

Exposure Comp.	Compensates for the brightness of the entire image.
ISO	Sets the ISO sensitivity.
White Balance	Adjusts the color temperature according to the ambient light conditions.
Metering Mode	Selects the method used for measuring the brightness.
Flash Comp.	Adjusts the amount of flash light.
DRO/Auto HDR	Corrects the brightness or contrast automatically.
Picture Effect	Shoots with the desired effects to express a unique atmosphere.
Creative Style	Selects the image processing method.

Playback

Allows you to set playback functions.

Delete	Deletes images.
Still/Movie Select	Allows you to determine how to group the playback images (View mode).
Slide Show	Plays back images automatically.
View on Smartphone	Transfers the images to a Smartphone and displays them.
Send to Computer	Transfers the images to a computer that is connected to the network for backup.
View on TV	Transfers the images to a TV that is connected to the network for viewing.
Specify Printing	Selects the images to print, or makes printing settings.
Image Index	Selects the number of images to be displayed on the index screen.
⊕ Enlarge Image	Enlarges the image.
Rotate	Rotates images.
Protect	Protects images, or cancels the protection.
Volume Settings	Sets the sound volume of movies.
Display Contents	Switches the information to be displayed on the playback screen.

Application


You can add the desired functions to your camera by connecting to the application downloading website “PlayMemories Camera Apps” via the Internet.

Setup

Allows you to make more detailed shooting settings, or change the camera settings.

Shooting Settings	
AEL w/ shutter	Sets whether or not to fix the exposure when you press the shutter button halfway down.
AF Illuminator	Sets the AF illuminator to assist auto-focusing in dim places.
Phase Detection AF Area	Sets whether or not to display the Phase Detection AF ranging points on the screen.
Red Eye Reduction	Provides pre-flash before shooting when using the flash, to prevent eyes from being shot in red.
FINDER/LCD Setting	Sets how to switch between an Electronic Viewfinder (sold separately for the NEX-5R) and the LCD screen.
Live View Display	Allows you to choose whether or not to show the value of exposure compensation, etc. on the screen display.

Auto Review	Sets the display time of the image right after shooting.
Grid Line	Turns on the grid line that helps you to adjust the composition of images.
Peaking Level	Enhances the outline of in-focus ranges with a selected color.
Peaking Color	Sets the color used for the peaking function.
Clear Image Zoom	Zooms an image with higher quality than Digital Zoom.
Digital Zoom	Zooms an image with higher magnification than Clear Image Zoom. This feature can be also available in movie recording.
Self-portrait Self-timer (NEX-5R only)	Sets the shooting mode when the LCD screen is tilted upward about 180 degrees. When you set [Self-portrait Self-timer] to [On], a 3-second delay self-timer is activated, and you can reduce the camera-shake when shooting self-portrait.
S. Auto Image Extract.	Sets whether or not to save all the images that were shot continuously in [Superior Auto] mode.
MF Assist	Displays an enlarged image when focusing manually.
MF Assist Time	Sets the length of time the image will be shown in an expanded form.
Color Space	Changes the range of color reproduction.
SteadyShot	Sets camera-shake compensation.
Release w/o Lens	Sets whether or not to release the shutter when there is no lens.
Eye-Start AF	Sets whether or not to use autofocus when you look through an Electronic Viewfinder (sold separately for the NEX-5R) with the LA-EA2 Mount Adaptor attached (sold separately).
Front Curtain Shutter	Sets whether or not to use the electronic front curtain shutter function.
Long Exposure NR	Sets the noise reduction processing for long exposure shootings.
High ISO NR	Sets the noise reduction processing for high ISO sensitivity shootings.
Lens Comp.: Shading	Compensates for the shaded corners of the screen.
Lens Comp.: Chro. Aber.	Reduces the color deviation at the corners of the screen.
Lens Comp.: Distortion	Compensates for distortion of the screen.
Face Priority Tracking	Sets whether to preferentially-track a certain face or not when the camera detects that face during object tracking.
Auto Slow Shutter	Sets whether or not to adjust the shutter speed automatically during movie recording in case if the subject is dark.
Movie Audio Rec	Sets whether or not to record sound when recording a movie.
Wind Noise Reduct.	Reduces wind noise during movie recording.
AF Micro Adj.	Finely adjusts the autofocused position, when using the LA-EA2 Mount Adaptor (sold separately).

Main Settings	
Menu start	Selects a first-displayed menu from the top menu or the last menu screen.
Function Menu Settings	Assigns functions to the Fn (Function) button.
MOVIE Button	Sets whether or not to activate the MOVIE button.
Custom Key Settings	Assigns functions to the soft key and the AEL button (AEL button is available for NEX-6 only).
Touch Operation (NEX-5R only)	Sets whether or not to operate the camera using the touch panel.
Beep	Selects the sound produced when you operate the camera.
 Language	Selects the language used on the screen.
Date/Time Setup	Sets the date and time.
Area Setting	Selects the area where you are using the camera.
Help Guide Display	Turns the Help Guide on or off.
Power Save	Sets the level of the power saving feature.
Power Saving Start Time	Sets the time to turn the camera to the power save mode.
LCD Brightness	Sets the brightness of the LCD screen.
Viewfinder Bright.	Sets the brightness of the Electronic Viewfinder (sold separately for the NEX-5R).
Display Color	Selects the color of the LCD screen.
Wide Image	Selects a method to display wide images.
Playback Display	Selects the method used to play back portrait images.
HDMI Resolution	Sets the resolution when connected to HDMI TV.
CTRL FOR HDMI	Sets whether or not to operate the camera with a "BRAVIA" Sync compatible TV's Remote Control.
USB Connection	Selects the appropriate USB connection method for each computer or USB device connected to the camera.
Cleaning Mode	Allows you to clean the image sensor.
Calibration (NEX-5R only)	Enables you to perform calibration when the touch panel buttons do not react at the appropriate points where you touch.
Version	Displays the versions of the camera and the lens/Mount Adaptor.
Demo Mode	Sets whether or not to display the demonstration with movies.
Initialize	Resets the camera to the default settings.
Memory Card Tool	
Format	Formats the memory card.
File Number	Selects the method to use to assign file numbers to still images and MP4 movies.
Folder Name	Selects the folder name format in which the still image is stored.

Select Shoot. Folder	Selects the recording folder to which still images and MP4 movies are recorded.
New Folder	Creates a new folder to which still images and MP4 movies are recorded.
Recover Image DB	Repairs the image database file when inconsistencies are found.
Display Card Space	Displays the remaining recording time of movies and the recordable number of still images on the memory card.
Eye-Fi Setup*	
Upload Settings	Sets the upload function of the camera when an Eye-Fi card is used.
Network Settings	
WPS Push	You can register the access point to the camera easily by pushing the WPS button.
Access Point Settings	You can register your access point manually.
Edit Device Name	You can change the device name under Wi-Fi Direct.
Disp MAC Address	Displays the MAC address of the camera.
Reset View on Smartphone	Resets the connecting information for [View on Smartphone].
Reset Network Settings	Resets all the network settings to default settings.

* This setting appears when an Eye-Fi card is inserted in the camera.

Shooting images

Shooting images with the settings in effect when you bought the camera is explained here.

The camera makes decisions appropriate to the situation, and adjusts the settings.

1 Adjust the LCD screen angle, and hold the camera.

Or look through the viewfinder and hold the camera (NEX-6 only).

The Scene Recognition function begins to work.

2 To take still images, press the shutter button halfway down to focus on your subject, and press it fully down to shoot.

When the camera detects and shoots a face, the captured image is automatically trimmed into a suitable composition. Both the original and the trimmed images are saved (page 93).

To record movies, press the MOVIE button to start recording.

Press the MOVIE button again to stop recording.

Notes












- You can continuously record a movie for up to 29 minutes, and an MP4 format movie for up to 2 GB. The recording time may shorten depending on the ambient temperatures or recording conditions.

On Scene Recognition



Icon for recognized scene and guide

The Scene Recognition function lets the camera automatically recognize the shooting conditions and allows you to shoot the image with appropriate settings.

- The camera recognizes  (Night Scene),  (Tripod Night Scene),  (Night Portrait),  (Backlight),  (Backlight Portrait),  (Portrait),  (Landscape),  (Macro),  (Spotlight),  (Low Brightness), or  (Baby), and displays the corresponding icon and guide on the LCD screen when the scene is recognized.

💡 Tips for shooting a still image of a subject that is difficult to focus on



When the camera cannot focus on the subject automatically, the focus indicator blinks. Either recompose the shot or change the focus setting.

Focus indicator


Focus indicator	Status
● lit	Focus is locked.
⊙ lit	Focus is confirmed. Focal point moves following a moving subject.
⊕ lit	Focusing in progress.
● flashing	Cannot focus.

- Focusing may be difficult in the following situations:
 - It is dark and the subject is distant.
 - The contrast between the subject and the background is poor.
 - The subject is seen through glass.
 - The subject is moving quickly.
 - The subject reflects light such as mirror, or has shiny surfaces.
 - The subject is flashing.
 - The subject is backlit.

Shooting still images using touch operation (Touch Shutter function) (NEX-5R only)

The camera adjusts the focus and releases the shutter automatically when you simply touch the subject that you want to focus on the screen. You can use the Touch Shutter function when [Touch Shutter] is set to [On] in the MENU.

1 Touch (Touch Shutter OFF) on the screen.

- The icon changes to  (Touch Shutter ON) and the touch shutter shooting becomes available.

2 Point the camera to the subject, then touch the subject that you want to focus on the screen.



- The Auto Focus area is displayed on the screen where you touched it. When the focus is confirmed, the camera shoots an image automatically.



Notes

- You cannot use [Touch Shutter] with the following operations:
 - Movie recording
 - [Sweep Panorama]
 - [Night Scene] in [Scene Selection]

Touch operation when shooting a still image (NEX-5R only)


	MENU → [Touch Shutter] is set to [On]		MENU → [Touch Shutter] is set to [Off]
	 (Touch shutter ON)	 (Touch shutter OFF)	—
[Object Tracking] is set to [On]	*	*	Object Tracking
[Object Tracking] is set to [Off]	Touch Shutter	Non-available	Center-weighted auto focus

Touch Shutter:

When you touch the screen, the camera focuses on the subject automatically and releases the shutter automatically (page 84).

Object Tracking:



The camera focuses on the subject that you touch on the screen, and continues to focus on even if the subject is moving.







Center-weighted auto focus: A frame is displayed where you touch on the screen, and when you press the shutter button halfway down, the subject within the frame is in focus. To cancel the touch AF, touch  on the screen.

* When [Touch Shutter] is set to [On], [Object Tracking] is temporarily invalid.

Playing back images

Plays back the recorded images.

- 1 Press the  (Playback) button.
- 2 Select the image with the control wheel.
Or, slide your finger across the screen to the left or right (NEX-5R only).
- 3 To play back panoramic images or movies, press the center of the control wheel.
Or, touch  on the screen (NEX-5R only).

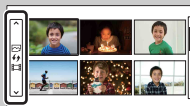
During movie playback	Control wheel operation	Touch panel operation
Pause/resume	Press the center.	Touch   .
Fast-forward	Press the right, or turn the control wheel clockwise.	Touch  .
Fast-rewind	Press the left, or turn the control wheel counterclockwise.	Touch  .
Forward slow playback	Turn clockwise during pause.	Touch  during pause.
Reverse slow playback*	Turn counterclockwise during pause.	Touch  during pause.
Adjust sound volume	Press the bottom \rightarrow top/ bottom.	—

* The movie is played back frame-by-frame.

Notes

- Panoramic images shot on other cameras may not be played back properly.

Displaying a desired folder



To select a desired folder, select the bar on the left of the image index screen (page 61), and then press the top/bottom parts of the control wheel. You can switch between still image playback and movie playback by pressing the center of the control wheel.

NEX-5R:

You can also select a folder by touching the bar on the left. You can switch between still image playback and movie playback by touching the center of the bar.

Enlarged playback

A portion of a still image can be enlarged during playback. This is convenient to check the focus condition of a recorded still image. You can enlarge playback images from the menu (page 125).

1 Display the image you want to enlarge, and then select \oplus (Enlarge Image).

2 Adjust the scaling by turning the control wheel.

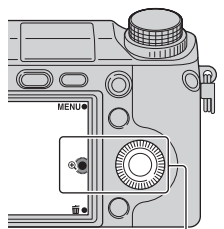
Or, touch \oplus or \ominus on the screen (NEX-5R only).

3 Select the portion you want to enlarge by pressing the top/bottom/right/left of the control wheel.

Or, select the portion you want to enlarge by sliding your finger across the image (NEX-5R only).

When you touch the image, the image is enlarged, centering on the spot you touched (NEX-5R only).

4 To cancel the enlarged playback, select \times .



\oplus (Enlarge Image)

Notes

- You cannot use the enlarged playback function with movies.
- To enlarge panoramic images, pause the playback first, and then press \oplus (Enlarge Image).



Scaling range

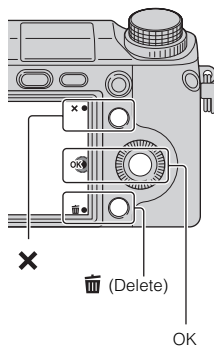
The scaling range is as follows.

Image size	Scaling range
L	Approx. $\times 1.0 - \times 13.6$
M	Approx. $\times 1.0 - \times 9.9$
S	Approx. $\times 1.0 - \times 6.8$

Deleting images

You can delete the image displayed.

- 1 While displaying the image you want to delete, select  (Delete).
- 2 Select OK.
Select  to quit the operation.



Notes


- You cannot delete protected images.
- Once you have deleted an image, you cannot restore it. Be sure that you want to delete the image before proceeding.

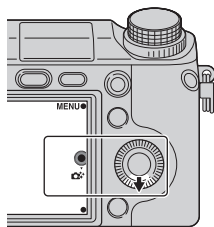
Deleting several images

Select MENU → [Playback] → [Delete] to select and delete several images at the same time.

Photo Creativity

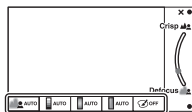
Using [Photo Creativity], you can shoot a subject with easy operations and obtain creative photos easily.

- 1 Set the shooting mode to [Intelligent Auto] or [Superior Auto].
- 2 Select  (Photo Creativity).



- 3 Select the item you want to set from the items displayed at the bottom of the screen.

You can use the [Photo Creativity] setup items simultaneously.



- 4 Select the desired setting.
- 5 To take still images, press the shutter button.
To record movies, press the MOVIE button to start recording.
To return to [Intelligent Auto] or [Superior Auto], select **X**.

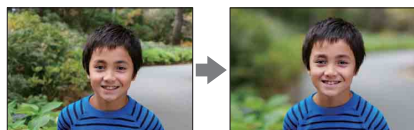
Bkgnd Defocus (page 43)	Adjusts the blurring of the background.
Brightness (page 44)	Adjusts the brightness.
Color (page 45)	Adjusts the color.
Vividness (page 46)	Adjusts the vividness.
Picture Effect (page 47)	Selects the desired effect filter for shooting.




Notes

- The [Photo Creativity] function is only available when an E-mount lens is mounted.
- The [Photo Creativity] function is only available when [Shoot Mode] is set to [Intelligent Auto] or [Superior Auto].
- The Smile Shutter function cannot be used.
- When the [Photo Creativity] mode is activated, several items that have been set on the menu become invalid.
- When the camera returns to [Intelligent Auto] or [Superior Auto], or is turned off, the settings are reset to the default ones.
- You can adjust [Bkgnd Defocus] only during recording movies with the [Photo Creativity] function.
- If you turn on the [Photo Creativity] function while [Superior Auto] is activated, the camera does not make a composite image.

Bkground Defocus

Photo Creativity allows you to defocus the background easily to make the subject stand out, while checking the defocusing effect on the LCD screen. You can record a movie with a value adjusted with the defocusing effect.



- 1 Set the shooting mode to [Intelligent Auto] or [Superior Auto].
- 2 Select  (Photo Creativity).
- 3 Select [Bkground Defocus].
- 4 Defocus the background.
 - : You can focus on both the subject and the background.
 - : You can defocus the background.Select [AUTO] to restore to the original status.

Notes

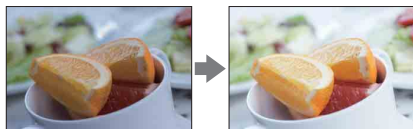
- The defocusing range available depends on the lens used.
- The defocusing effect may not be noticeable, depending on the distance from the subject or the lens used.


Tips for a better result of Background Defocus

- Move closer to the subject.
- Lengthen the distance between the subject and the background.

Brightness

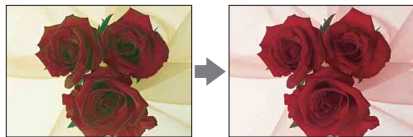
You can adjust the brightness easily in [Photo Creativity].




- 1 Set the shooting mode to [Intelligent Auto] or [Superior Auto].
- 2 Select  (Photo Creativity).
- 3 Select [Brightness].
- 4 Select the desired brightness.
 - : You can make images brighter.
 - : You can make images darker.Select [AUTO] to restore to the original status.

Color

You can adjust the color easily in [Photo Creativity].




- 1 Set the shooting mode to [Intelligent Auto] or [Superior Auto].
- 2 Select  (Photo Creativity).
- 3 Select [Color].
- 4 Select the desired color.
 - : You can make the color warm.
 - : You can make the color cool.Select [AUTO] to restore to the original status.

Vividness

You can adjust the vividness easily in [Photo Creativity].




- 1 Set the shooting mode to [Intelligent Auto] or [Superior Auto].
- 2 Select  (Photo Creativity).
- 3 Select [Vividness].
- 4 Select the desired vividness.
 - : You can make images vivid.
 - : You can make images faint.Select [AUTO] to restore to the original status.












Picture Effect













You can set [Picture Effect] easily in [Photo Creativity]. Select the desired effect filter to achieve more impressive and artistic expression:



- 1 Set the shooting mode to [Intelligent Auto] or [Superior Auto].
- 2 Select  (Photo Creativity).
- 3 Select [Picture Effect].
- 4 Select the desired effect.

Select [AUTO] to restore to the original status.

 OFF (Off)	Disables the Picture Effect function.	
 (Toy Camera)	Creates the look of a Toy Camera photo with shaded corners and pronounced colors.	
 (Pop Color)	Creates a vivid look by emphasizing color tones.	
 (Posterization: Color)	Creates a high contrast, abstract look by heavily emphasizing primary colors.	
 (Posterization: B/W)	Creates a high contrast, abstract look in black and white.	
 (Retro Photo)	Creates the look of an aged photo with sepia color tones and faded contrast.	

 (Soft High-key)	Creates an image with the indicated atmosphere: bright, transparent, ethereal, tender, soft.	
 (Partial Color: Red)	Creates an image which retains the color red, but converts others to black and white.	
 (Partial Color: Green)	Creates an image which retains the color green, but converts others to black and white.	
 (Partial Color: Blue)	Creates an image which retains the color blue, but converts others to black and white.	
 (Partial Color: Yellow)	Creates an image which retains the color yellow, but converts others to black and white.	
 (High Contrast Mono.)	Creates an image with high contrast in black and white.	

Notes

- When [Partial Color] is selected, images may not retain the selected color, depending on the subject.
- The available picture effects are limited with [Photo Creativity]. Also, fine adjustment is not available. You can use more picture effects and make fine adjustment with OPTION. Select MENU → [Brightness/Color] → [Picture Effect] (page 112).

DISP (Display Contents)

Using the control wheel:

- 1 Press DISP (Display Contents) on the control wheel repeatedly to select the desired mode.





Using the Menu:



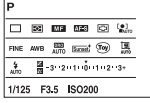



- 1 During shooting, MENU → [Camera] → [LCD Display (DISP)]/[Finder Display(DISP)].
During playback, MENU → [Playback] → [Display Contents].
- 2 Select the desired mode.

Notes

- You can set [Finder Display(DISP)] when an Electronic Viewfinder (sold separately) is attached to the camera (NEX-5R only).
- [Histogram] is not displayed during following operations.
 - Movie recording/playback
 - Panorama recording/playback
 - [Slide Show]

During shooting


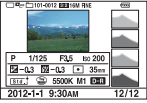

LCD Display (DISP)		
	Graphic Display	Shows basic shooting information. Graphically shows the shutter speed and aperture value, except for when [Shoot Mode] is set to [Sweep Panorama]. 
✓	Display All Info.	Shows recording information. 
	Big Font Size Disp.	Shows only major items in a larger size. 
	No Disp. Info.	Does not show recording information. 

	Level	Indicates whether the camera is level in both the horizontal and front-back directions. When the camera is level in both directions, the indicator turns to green. <ul style="list-style-type: none"> • If you tilt the camera to the front or back to a large degree, the level indicator may have a large margin of error. • Errors of approximately $\pm 1^\circ$ may occur even if the camera's tilt is mostly adjusted. 	
	Histogram	Displays the luminance distribution graphically.	
	For viewfinder	Shows only shooting information on the screen (no image). Select this option when you shoot using a viewfinder (sold separately for the NEX-5R). Press the Fn (Function) button and select the function for which you want to change the setting. The setting screen for the selected function opens. (Quick Navi) (NEX-6 only)	
Finder Display(DISP)			
✓	Disp. Basic Info	Shows basic recording information on the viewfinder.	
	Level	Indicates whether the camera is level in both the horizontal and front-back directions. When the camera is level in both directions, the indicator turns to green. <ul style="list-style-type: none"> • If you tilt the camera to the front or back to a large degree, the level indicator may have a large margin of error. • Errors of approximately $\pm 1^\circ$ may occur even if the camera's tilt is mostly adjusted. 	
	Histogram	Displays the luminance distribution graphically.	

Setting the screen display modes to be available

You can select which LCD screen display modes can be selected in shooting mode with [DISP Button(Monitor)] (page 96).

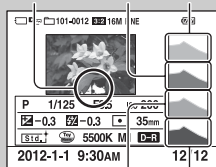
During playback

✓	Display Info.	Shows recording information.	
	Histogram	Displays the luminance distribution graphically, in addition to recording information.	
	No Disp. Info.	Does not show recording information.	

💡 What is histogram?

The histogram displays the luminance distribution that shows how many pixels of a particular brightness exist in the picture. Brighter image will make the entire histogram shift to the right side, and darker image to the left side.

Flashing R (red) Luminance



G (green) B (blue)

- If the image has a loss of details in highlights and shadows, these parts flash on the histogram display during playback (Luminance limit warning).

Table of contents


Sample photo

Menu

Index

Exposure Comp.

You can adjust the exposure in 1/3 EV steps in a range of -3.0 EV to +3.0 EV.

- 1  (Exposure Comp.) on the control wheel → desired value.
Or, MENU → [Brightness/Color] → [Exposure Comp.] → desired value.

Notes

- You cannot use [Exposure Comp.] when using the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]
 - [Manual Exposure]
- You can adjust the exposure in a range of -2.0 EV to +2.0 EV for movies.
- If you shoot a subject in extremely bright or dark conditions, or when you use the flash, you may not be able to get a satisfactory effect.
- Even though you can adjust the exposure between -3.0 EV and +3.0 EV, only a value between -2.0 EV and +2.0 EV with the equivalent image brightness appears on the screen when shooting. If you set an exposure beyond this range, the image brightness on the screen does not show the effect, but it will be reflected on the recorded image.

Adjusting the exposure for better looking images



Overexposure = too much light
Whitish image



Set [Exposure Comp.] toward -.



Correct exposure



Set [Exposure Comp.] toward +.





Underexposure = too little light
Darker image









- To shoot subjects in brighter tones, set the exposure compensation to the + side.
To make photos of food look more appealing, shoot the food a little brighter than usual and try to use a white background.
- If you want to capture a blue sky in vivid colors, set the exposure compensation to the - side.

Drive Mode

You can set the drive mode, such as continuous, self-timer, or bracket shooting.

1  /  (Drive Mode) on the control wheel → desired mode.

Or, MENU → [Camera] → [Drive Mode] → desired mode.



	 (Single Shooting)	Shoots 1 still image. Normal shooting mode.
	 (Cont. Shooting)	Shoots images continuously while you press and hold down the shutter button (page 54).
	 (Spd Priority Cont.)	Shoots images continuously at high speed while you press and hold down the shutter button (page 55).
	 (Self-timer)	Shoots an image after 10 or 2 seconds (page 56).
	 (Self-timer(Cont))	Shoots images continuously after 10 seconds (page 57).
	 (Bracket: Cont.)	Shoots 3 images while holding the shutter button down, each with different degrees of brightness (page 58).
	 (Remote Cdr.)	Allows you to use the RMT-DSLR1 Wireless Remote Commander (sold separately) (page 59).

Notes

- You cannot change the setting when using the following functions:
 - [Hand-held Twilight] [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Auto HDR]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
 - [Self-portrait Self-timer] is set to [On] and the camera is ready to take a self-portrait (NEX-5R only)

Cont. Shooting

Shoots images continuously while you press and hold down the shutter button.

- 1  /  (Drive Mode) on the control wheel → [Cont. Shooting].
Or, MENU → [Camera] → [Drive Mode] → [Cont. Shooting].

Notes

- You cannot use [Cont. Shooting] with the following functions:
 - [Scene Selection], excluding [Sports Action]
 - [Sweep Panorama]
 - [Smile Shutter]
 - [Auto HDR]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
 - [Self-portrait Self-timer] is set to [On] and the camera is ready to take a self-portrait (NEX-5R only)

Shooting continuously with touch shutter (NEX-5R only)

When the touch shutter operation is enabled, the camera shoots continuously while you keep touching the screen (page 84).

Continuing to adjust the focus and exposure during continuous shooting

Set [Autofocus Mode] to [Continuous AF] (page 83).

Set [AEL w/ shutter] to [Off] (page 129).

- The exposure for the first image is set when you press the shutter button halfway down. The camera continues to adjust the exposure for the remaining images.

Spd Priority Cont.

The camera continues to shoot as long as the shutter button is pressed. You can continuously shoot at a rate faster than that of [Cont. Shooting] (at a maximum of about 10 images per second).

1  /  (Drive Mode) on the control wheel → [Spd Priority Cont.].

Or, MENU → [Camera] → [Drive Mode] → [Spd Priority Cont.].

When using the touch shutter, the camera records images continuously as long as you are touching the screen (NEX-5R only).

Notes

- You cannot use [Spd Priority Cont.] with the following functions.
 - [Scene Selection], excluding [Sports Action]
 - [Sweep Panorama]
 - [Smile Shutter]
 - [Auto HDR]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
 - [Self-portrait Self-timer] is set to [On] and the camera is ready to take a self-portrait (NEX-5R only)
- The speed of continuous shooting is estimated using our criteria. The speed of continuous shooting may be slower, depending on shooting conditions (Image size, ISO setting, High ISO NR, or the setting of [Lens Comp.: Distortion]).
- Between continuous shooting frames, an image of each frame is immediately displayed.



Continuing to adjust the focus and exposure during Speed Priority Continuous Shooting

Set [Autofocus Mode] to [Continuous AF] (page 83).



Set [AEL w/ shutter] to [Off] (page 129).

- If the Phase Detection AF does not work, the camera does not continue to adjust the focus even if you set [Autofocus Mode] to [Continuous AF].
- The exposure for the first image is set when you press the shutter button halfway down. The camera continues to adjust the exposure for the remaining images.






Self-timer

- 1  /  (Drive Mode) on the control wheel → [Self-timer].
Or, MENU → [Camera] → [Drive Mode] → [Self-timer].

- 2 OPTION → desired mode.

To cancel the timer, press  /  (Drive Mode) and select [Single Shooting].

When using the touch shutter, a beep sounds if the subject that you touch on the screen is in focus, then the countdown begins (NEX-5R only).

	 (Self-timer: 10 Sec)	Sets the 10-second delay self-timer. When you press the shutter button, the self-timer lamp flashes and beeps until the shutter operates. To cancel the self-timer, press  /  (Drive Mode) on the control wheel.
	 (Self-timer: 2 Sec)	Sets the 2-second delay self-timer. This reduces the camera-shake caused by pressing the shutter button.

Notes

- You cannot use [Self-timer] with the following functions:
 - [Hand-held Twilight] [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Smile Shutter]
 - [Auto HDR]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
 - [Self-portrait Self-timer] is set to [On] and the camera is ready to take a self-portrait (NEX-5R only)



Self-timer(Cont)

Continuously shoots the number of images you have set after 10 seconds. You can choose the best shot from several shots taken.



1  /  (Drive Mode) on the control wheel → [Self-timer(Cont)].

Or, MENU → [Camera] → [Drive Mode] → [Self-timer(Cont)].

2 OPTION → desired mode.

To cancel the timer, press  /  (Drive Mode) and select [Single Shooting].

When using the touch shutter, a beep sounds if the subject that you touch on the screen is in focus, then the countdown begins (NEX-5R only).

✓	Ⓞc3 (Self-timer(Cont.): 10 Sec. 3 Img.)	Shoots 3 or 5 still images continuously after 10 seconds. When you press the shutter button, the self-timer lamp flashes and the audible signal sounds until the shutter operates.
	Ⓞc5 (Self-timer(Cont.): 10 Sec. 5 Img.)	To cancel the self-timer, press  /  (Drive Mode) on the control wheel.

Notes

- You cannot use [Self-timer(Cont)] with the following functions:
 - [Hand-held Twilight] [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Smile Shutter]
 - [Auto HDR]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
 - [Self-portrait Self-timer] is set to [On] and the camera is ready to take a self-portrait (NEX-5R only)

Bracket: Cont.

Shoots 3 images while automatically shifting the exposure from base, to darker, and then to lighter. Press and hold down the shutter button until the bracket recording is completed.

You can select an image that suits your intention, after recording.



- 1 / (Drive Mode) on the control wheel → [Bracket: Cont.].
Or, MENU → [Camera] → [Drive Mode] → [Bracket: Cont.].

- 2 OPTION → desired mode.

To cancel the bracket, press / (Drive Mode) and select [Single Shooting].

When using the touch shutter, keep touching the screen until the end of shooting.



<input checked="" type="checkbox"/>	(Bracket: Cont.: 0.3 EV)	Images are taken with the set value of deviation (steps) from the base exposure.
<input type="checkbox"/>	(Bracket: Cont.: 0.7 EV)	
<input type="checkbox"/>	(Bracket: Cont.: 1.0 EV)	
<input type="checkbox"/>	(Bracket: Cont.: 2.0 EV)	
<input type="checkbox"/>	(Bracket: Cont.: 3.0 EV)	

Notes

- You cannot use [Bracket: Cont.] with the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]
 - [Sweep Panorama]
 - [Smile Shutter]
 - [Auto HDR]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
 - [Self-portrait Self-timer] is set to [On] and the camera is ready to take a self-portrait (NEX-5R only)
- The last shot is shown on the auto review.
- In [Manual Exposure], the exposure is shifted by adjusting the shutter speed.
- When you adjust the exposure, the exposure is shifted based on the compensated value.

Remote Cdr.

You can shoot using the SHUTTER and 2SEC (the shutter is released after two seconds) buttons on the RMT-DSLR1 and RMT-DSLR2 Wireless Remote Commander (sold separately) or using the START/STOP button (Movie button: RMT-DSLR2 only). Refer to the operating instructions supplied with the Wireless Remote Commander.

- 1  /  (Drive Mode) on the control wheel → [Remote Cdr.].
Or, MENU → [Camera] → [Drive Mode] → [Remote Cdr.].
- 2 Focus on the subject, point the transmitter of the Wireless Remote Commander to the remote sensor of the camera, and shoot the image.

Notes

- You cannot use [Remote Cdr.] with the following functions:
 - [Hand-held Twilight] [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Auto HDR]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
 - [Self-portrait Self-timer] is set to [On] and the camera is ready to take a self-portrait (NEX-5R only)
- The RMT-DSLR1 Wireless Remote Commander is not compatible with movie shooting.
- A lens or hood may cover the remote sensor and prevent the sensor from receiving the light from the Remote Commander. Operate the Remote Commander from positions where the light to the remote sensor is not obscured.
- When [MOVIE Button] is set to [Off], the START/STOP button (Movie button) on the RMT-DSLR2 Wireless Remote Commander is disabled.

ISO

Sets the luminous sensitivity.

- 1 ISO (ISO) on the control wheel → desired setting.
Or, MENU → [Brightness/Color] → [ISO] → desired setting.

✓	ISO AUTO (ISO AUTO)	Sets the ISO sensitivity automatically.
	100/200/400/800/ 1600/3200/6400/ 12800/25600	Sets the sensitivity to light of the imaging sensor. Higher sensitivities enable faster shutter speeds and/or smaller apertures (larger F-values).

Notes

- [ISO AUTO] is selected when using the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]
 - [Sweep Panorama]
- The larger the number, the higher the noise level.
- When the shooting mode is set to [Program Auto], [Aperture Priority], [Shutter Priority], and [ISO] is set to [ISO AUTO], ISO is automatically set between ISO100 and ISO3200.
- For movie shooting, the maximum ISO sensitivity you can set is ISO6400. If a value higher than ISO6400 is set when shooting movies, the value is automatically changed to ISO6400, and the value returns to the original setting when movie shooting is finished.
- The [ISO AUTO] setting is not provided in [Manual Exposure]. If you change the exposure mode to [Manual Exposure] with the [ISO AUTO] setting, it is switched to 100. Set the ISO according to your shooting conditions.

💡 Adjusting ISO Sensitivity (Recommended Exposure Index)

ISO setting (speed) is the sensitivity to light of recording media that incorporates an image sensor that receives light. Even when the exposure is the same, images differ depending on the ISO setting.



High ISO sensitivity

With high ISO sensitivity, images will be captured with an appropriate brightness even under insufficient exposure. However, increasing ISO sensitivity will cause images to become noisy.





Low ISO sensitivity

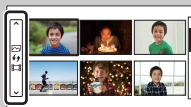
You can record smooth images. However, compensation for low ISO sensitivity will be made by slowing down the shutter speed. You should take camera-shake or movement of subjects into account, too.

Image Index

Displays multiple images at the same time.

- 1 Press the  (Playback) button to switch to the playback mode.
- 2 Press  (Image Index) on the control wheel.
6-image index appears.
You can switch to 12-image index; MENU → [Playback] → [Image Index].
- 3 To return to the single-image playback, select the desired image and press the center of the control wheel.
Or, touch the desired image (NEX-5R only).

Displaying a desired folder



To select a desired folder, select the bar on the left of the image index screen, and then press the top/bottom parts of the control wheel. You can switch between still image playback and movie playback by pressing the center of the control wheel.

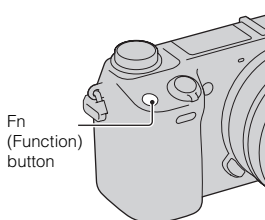
NEX-5R:

You can also select a folder by touching the bar on the left. You can switch between still image playback and movie playback by touching the center of the bar.

Fn (Function) button

Execute settings or functions that are used relatively frequently.

- 1 Press the Fn (Function) button.
- 2 Select a desired function by pressing the right/left side of the control wheel.
Or touch the desired function to change it (NEX-5R only).
- 3 Select the desired setting by turning the control wheel. Or, touch the desired setting (NEX-5R only).



💡 How to assign other functions to the Fn (Function) button

The following functions are assigned to the Fn (Function) button by the default settings.

Focus (AF/MF Select)/AF MODE (Autofocus Mode)/ (Autofocus Area)/WB (White Balance)/ (Metering Mode)/ (Picture Effect)

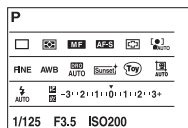
You can change the functions assigned to the Fn (Function) button by selecting MENU → [Setup] → [Function Menu Settings].

How to use Quick Navi (NEX-6 only)

When the display setting is set to [For viewfinder], you can switch the screen to Quick Navi screen by pressing the Fn (Function) button.

On the Quick Navi screen, select the item that you want to change to open the setting screen.

- 1 Press DISP (Display contents) on the control wheel repeatedly until the screen is set to [For viewfinder].
- 2 Press Fn (Function) button to switch the screen to Quick Navi screen.
- 3 Select the desired item for which you want to change the setting.
Press the center of the control wheel to open the setting screen for the selected item.



Notes

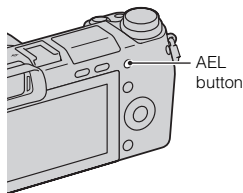
- You cannot change the settings of the items which are gray colored.

AEL button (NEX-6 only)

1 Focus on the spot for which you want to set the exposure.

2 Press the AEL button.

The exposure value is fixed and the * (AE lock) lights up.



3 Holding the AEL button down, focus on your subject and shoot.

Select MENU → [Setup] → [Custom Key Settings] → [Func. of AEL button] → [AEL toggle] to keep the AE locked after you have released the AEL button. Or, you can assign other functions to the AEL button (page 163).












Intelligent Auto

The camera analyzes the subject, and allows you to shoot with appropriate settings.

1 Set the shooting mode to [Intelligent Auto].

2 Point the camera to the subject.

When the camera recognizes the scene, the icon for recognized scene appears on the screen.

The camera recognizes  (Night Scene),  (Tripod Night Scene),  (Night Portrait),  (Backlight),  (Backlight Portrait),  (Portrait),  (Landscape),  (Macro),  (Spotlight),  (Low Brightness), or  (Baby).



Icon for recognized scene

3 Adjust the focus and shoot the subject.



Notes

- [Flash Mode] is set to [Flash Off], [Autoflash] or [Fill-flash].
- You can shoot even if the camera has not recognized the scene.
- When [Face Detection] is set to [Off], the [Portrait], [Backlight Portrait], [Night Portrait], and [Baby] scenes are not recognized.

The advantages of automatic shooting

In [Superior Auto] mode, the camera shoots with higher quality than [Intelligent Auto] mode and performs composite shooting as necessary.

In [Program Auto] mode, you can shoot after adjusting various functions, such as white balance, ISO, etc.

Shooting mode	Your purpose
 (Intelligent Auto)	<ul style="list-style-type: none">• Select this mode to easily recognize the scene and shoot continuous images.
 + (Superior Auto) (page 66)	<ul style="list-style-type: none">• Select this mode to shoot scenes under difficult circumstances, such as when you have dark scenes, or back-lit subjects.• Select this mode to shoot a higher quality image than that offered by [Intelligent Auto].
P (Program Auto) (page 76)	<ul style="list-style-type: none">• Select this mode to shoot with various functions other than the exposure (shutter speed and aperture) adjusted.

Notes

- In [Superior Auto] mode, the recording process takes longer, since the camera must make a composite image.

💡 Photo Creativity

You can access the [Photo Creativity] menu by pressing the bottom part of the control wheel in [Intelligent Auto] or [Superior Auto] mode. Using the [Photo Creativity] menu, you can change the settings with easy operations and achieve creative photography (page 42).

💡 Tips for shooting a still image of a subject that is difficult to focus on



When the camera cannot focus on the subject automatically, the focus indicator blinks. Either recompose the shot or change the focus setting.

Focus indicator

Focus indicator	Status
● lit	Focus is locked.
⦿ lit	Focus is confirmed. Focal point moves following a moving subject.
⦿ lit	Focusing in progress.
● flashing	Cannot focus.

- Focusing may be difficult in the following situations:
 - It is dark and the subject is distant.
 - The contrast between the subject and the background is poor.
 - The subject is seen through glass.
 - The subject is moving quickly.
 - The subject reflects light such as mirror, or has shiny surfaces.
 - The subject is flashing.
 - The subject is backlit.

Superior Auto

The camera automatically recognizes and evaluates the shooting conditions, and the appropriate settings are set automatically. The camera shoots images with a wider range of shooting functions than those of Intelligent Auto shooting, such as Auto HDR, and chooses the best image.

1 Set the shooting mode to [Superior Auto].

2 Point the camera to the subject.

When the camera recognizes the subject and adjusts itself for shooting conditions, the following information appears on the screen: icon for recognized scene, appropriate shooting function, the number of times the shutter is released.

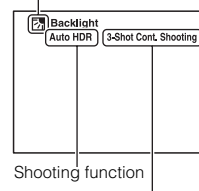
Recognized scene: 🌙 (Night Scene), 📷 (Tripod Night Scene), 🌄 (Hand-held Twilight) 🧑 (Night Portrait), 📷 (Backlight), 📷 (Backlight Portrait), 🧑 (Portrait), 🏞️ (Landscape), 📷 (Macro), 📷 (Spotlight), 📷 (Low Brightness), or 🧒 (Baby).

Shooting function: Auto HDR, Slow Sync., Daylight Sync., Slow Shutter

3 Adjust the focus and shoot the subject.

When the camera shoots multiple images, it automatically chooses and saves the appropriate image. You can also save all the images by setting the [S. Auto Image Extract.] item (page 142).

Icon for recognized scene



The number of times the shutter is released

Notes

- [Flash Mode] is set to [Flash Off], [Autoflash] or [Fill-flash].
- You can shoot even if the camera has not recognized the scene.
- When [Face Detection] is set to [Off], the [Portrait], [Backlight Portrait], [Night Portrait], and [Baby] scenes are not recognized.
- When [Quality] is set to [RAW] or [RAW & JPEG], [Hand-held Twilight] and [Auto HDR] are not selected.

💡 What is the difference between [Superior Auto] and [Intelligent Auto]?

In [Superior Auto] mode, the camera shoots continuously according to the recognized scene and makes a composite image (Composite shooting). This allows the camera to perform back-lit compensation and noise reduction automatically, and also obtain a higher quality image than [Intelligent Auto].

However, the recording process takes longer than normal when making a composite image.

Photo Creativity

You can access the [Photo Creativity] menu by pressing the bottom part of the control wheel in [Intelligent Auto] or [Superior Auto] mode. Using the [Photo Creativity] menu, you can change the settings with easy operations and achieve creative photography (page 42).

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Sample photo

Menu













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Scene Selection

Allows you to shoot with preset settings according to the scene.

- 1 Set the shooting mode to [Scene Selection].
- 2 Select the desired mode using the control wheel.

You can select another Scene Selection mode by turning the control dial.

 (Portrait)	Blurs away backgrounds and sharpens the subject. Accentuate the skin tones softly.	
 (Landscape)	Shoots the entire range of scenery in sharp focus with vivid colors.	
 (Macro)	Shoots close-ups of the subjects such as flowers, insects, food, or small items.	
 (Sports Action)	Shoots a moving subject at a fast shutter speed so that the subject looks as if it is standing still. The camera shoots images continuously while the shutter button is pressed. When using the touch shutter, the camera shoots images continuously while you are touching the screen (NEX-5R only).	
 (Sunset)	Shoots the red of the sunset beautifully.	
 (Night Portrait)	Shoots portraits in night scenes. Pop up the flash to use this mode.	

 (Night Scene)	Shoots night scenes without losing the dark atmosphere.	
 (Hand-held Twilight)	Shoots night scenes with less noise and blur without using a tripod. A burst of shots are taken, and image processing is applied to reduce subject blur, camera-shake, and noise.	
 (Anti Motion Blur)	Allows you to shoot indoor shots without using the flash and reduces subject blur. The camera shoots burst images and combines them to create the image, reducing subject blur and noise.	

Notes

- In the [Night Scene] and [Night Portrait] modes, the shutter speed is slower, so use of a tripod is recommended to prevent the image from blurring.
- In the [Hand-held Twilight] or [Anti Motion Blur] mode, the shutter clicks 6 times and an image is recorded.
- If you select [Hand-held Twilight] or [Anti Motion Blur] with [RAW] or [RAW & JPEG], the image quality becomes [Fine] temporarily.
- Reducing blur is less effective even in [Hand-held Twilight] or [Anti Motion Blur] when shooting the following subjects:
 - Subjects with erratic movement.
 - Subjects that are too close to the camera.
 - Subjects with a repeating pattern such as tiles, and subjects with little contrast such as sky, sandy beach, or lawn.
 - Subjects with constant change such as waves or water falls.
- In the case of [Hand-held Twilight] or [Anti Motion Blur], block noise may occur when using a light source that flickers, such as fluorescent lighting.
- The minimum distance that you can come close to a subject does not change even if you select [Macro]. For the minimum in-focus range, refer to the minimum distance of the lens attached to the camera.

Sweep Panorama

Allows you to create a panoramic image from composed images.



- 1 Set the shooting mode to [Sweep Panorama].
- 2 Select the shooting direction by turning the control dial.
- 3 Point the camera at the subject for which you want to set the brightness and focus, and then press the shutter button halfway down.
- 4 Keep the shutter button pressed halfway down and point the camera at the edge of the subject.



This part will not be taken.

- 5 Press the shutter button fully down.
- 6 Pan the camera to the end, following the guidance on the LCD screen.



Guidance bar

Notes

- If you cannot pan the camera across the entire subject within the given time, a gray area occurs in the composed image. If this happens, move the camera fast to record a full panoramic image.
- When you select [Wide] in [Image Size], you may not be able to pan the camera across the entire subject within the given time. In such cases, we recommend that you select [Standard] in [Image Size].
- The camera shoots continuously during [Sweep Panorama] recording, and the shutter continues to click until shooting is finished.
- Since several images are stitched together, the stitched part will not be recorded smoothly.
- Under low light conditions, panoramic images may be blurred.
- Under flickering lights such as fluorescent light, the brightness or color of the combined image is not always the same.
- When the panoramic shot overall and the angle in which you fixed the focus and exposure with AE/AF lock are extremely different in brightness, color and focus, the shooting will not be successful. If this happens, change the lock angle and shoot again.

- [Sweep Panorama] is not suitable when shooting the following subjects:
 - Subjects in motion.
 - Subjects that are too close to the camera.
 - Subjects with a repeating pattern such as tiles, and subjects with little contrast such as sky, sandy beach, or lawn.
 - Subjects with constant change such as waves or water falls.
 - Subjects with the sun or electric lights, etc. that are much brighter than surroundings.
- [Sweep Panorama] recording may be discontinued in the following situations:
 - You pan the camera too fast or too slow.
 - There is too much camera-shake.

💡 Tips for shooting a panoramic image

Pan the camera in an arc with a constant velocity and in the same direction as the indication on the LCD screen. [Sweep Panorama] is better suited for still subjects, rather than moving ones.



- When using a zoom lens, it is recommended that you use it with W side.
- Determine the scene and press the shutter button halfway, so that you can lock the focus, exposure, and white balance. Then, press the shutter button fully down and pan the camera.
- If greatly varied shapes or scenery are concentrated along a screen edge, the image composition may fail. In such case, adjust the frame composition so that the section is in the center of the image, and then shoot again.

💡 Playing back scrolling panoramic images

You can scroll panoramic images from the beginning to the end by pressing the center of the control wheel while panoramic images are being displayed. Press the center of the control wheel again to pause. You can scroll/pause by touching ►/|| on the screen (NEX-5R only).



This indicator shows the displayed area of the whole panoramic image.

- Panoramic images shot with other cameras may not be displayed or scrolled correctly.

Manual Exposure

You can shoot with the desired exposure setting by adjusting both the shutter speed and aperture.

1 Set the shooting mode to [Manual Exposure].

2 Turn the control wheel to select shutter speed. Turn the control dial to select aperture.

Check the exposure value at “MM” (metered manual).

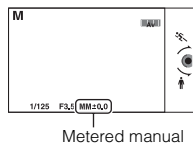
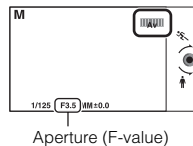
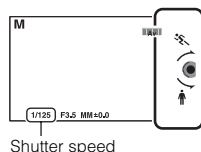
Toward +: Images become brighter.

Toward -: Images become darker.



0: Appropriate exposure analyzed by the camera

3 Adjust the focus and shoot the subject.

You can adjust the shutter speed and aperture value also during movie recording.



Notes

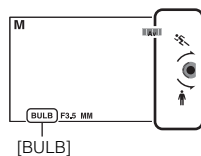
- You cannot select [Flash Off] and [Autoflash] in [Flash Mode]. When you want to fire the flash, raise the flash. When you do not fire the flash, push down the flash.
- The  ON  OFF (SteadyShot warning) indicator does not appear in manual exposure mode.
- The ISO setting [ISO AUTO] is set to [ISO 100] in manual exposure mode. Set the ISO sensitivity as necessary.
- The brightness of the image on the LCD screen may differ from the actual image being shot.
- When using an A-mount lens (sold separately), you can adjust the shutter speed and aperture when focusing manually during movie recording.

BULB

You can shoot trails with long exposure. BULB is suitable for shooting trails of light, such as fireworks.



- 1 Set the shooting mode to [Manual Exposure].
- 2 Turn the control wheel counterclockwise until [BULB] is indicated.



- 3 Press the shutter button halfway down to adjust the focus.
- 4 Press and hold the shutter button for the duration of the shooting.
As long as the shutter button is pressed, the shutter remains open.

Notes

- Since the shutter speed becomes slow and the camera-shake tends to occur more easily, it is recommended that you use a tripod.
- The longer the exposure time, the more conspicuous the noise on the image.
- After shooting, noise reduction (Long Exposure NR) will be done for the same amount of time that the shutter was open. However, you cannot shoot any more while noise reduction is in progress.
- When the [Smile Shutter] or [Auto HDR] function is activated, you cannot set the shutter speed to [BULB].
- If the [Smile Shutter] or [Auto HDR] function is used with the shutter speed set to [BULB], the shutter speed is temporarily set to 30 seconds.


Shutter Priority

You can express the movement of a moving subject in various ways by adjusting the shutter speed, for example, at the instant of the movement with high speed shutter, or as a trailing image with low speed shutter. You can adjust the shutter speed also during movie recording.

- 1 Set the shooting mode to [Shutter Priority].
- 2 Select the desired value with the control dial.
- 3 Adjust the focus and shoot the subject.

The aperture is automatically adjusted to obtain proper exposure.

Notes

- You cannot select [Flash Off] and [Autoflash] in [Flash Mode]. When you want to fire the flash, raise the flash. When you do not fire the flash, push down the flash.
- The  (SteadyShot warning) indicator does not appear in shutter speed priority mode.
- When the shutter speed is 1 second or more, noise reduction (Long Exposure NR) will be done for the same amount of time that the shutter was open after shooting. However, you cannot shoot any more while noise reduction is in progress.
- If proper exposure cannot be obtained after setup, the aperture value on the shooting screen blinks. Although you can shoot as it is, resetting is recommended.
- The brightness of the image on the LCD screen may differ from the actual image being shot.
- When using an A-mount lens (sold separately), you can adjust the shutter speed when focusing manually during movie recording.

Shutter speed



When a faster shutter speed is used, a moving subject such as a running person, cars, and sea spray appears as if they are stopped.



When a slower shutter speed is used, a trailing image of the movement of the subject is captured to make more natural and dynamic image.

Aperture Priority

Blurs or sharpens things in front of and beyond the subject. You can adjust the aperture value also during movie recording.

1 Set the shooting mode to [Aperture Priority].

2 Select the desired value with the control dial.

Smaller F-value: The subject is in focus, but things in front of and beyond the subject are blurred.

Larger F-value: The subject and its foreground and background are all in focus.

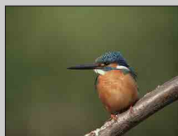
3 Adjust the focus and shoot the subject.

The shutter speed is automatically adjusted to obtain proper exposure.

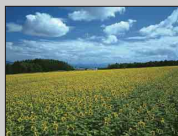
Notes

- You cannot select [Flash Off] and [Autoflash] in [Flash Mode]. When you want to fire the flash, raise the flash. When you do not fire the flash, push down the flash.
- If proper exposure cannot be obtained after setup, the shutter speed on the shooting screen blinks. Although you can shoot as it is, resetting is recommended.
- The brightness of the image on the LCD screen may differ from the actual image being shot.
- When using an A-mount lens (sold separately), you can adjust the aperture when focusing manually during movie recording.

Aperture



Smaller F-value (opening the aperture) narrows the range that is in focus. This allows you to put the subject in sharp focus and blur things in front of and beyond the subject. (Depth of field becomes shallower.)



Larger F-value (narrowing down the aperture) widens the range that is in focus. This allows you to shoot the depth of the scenery. (Depth of field becomes deeper.)

Program Auto

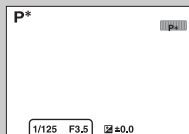
While exposure (shutter speed and aperture) is adjusted by the camera automatically, you can set shooting functions such as ISO sensitivity, Creative Style, D-Range optimizer.

- 1 Set the shooting mode to [Program Auto].
- 2 Set the shooting functions to your desired settings.
- 3 Adjust the focus and shoot the subject.

Notes

- You cannot select [Flash Off] and [Autoflash] in [Flash Mode]. When you want to fire the flash, raise the flash. When you do not fire the flash, push down the flash.

Program Shift



You can change the shutter speed and aperture (F-value) combination without changing the exposure you set, when you do not use the flash.

Turn the control dial to select the shutter speed and aperture (F-value) combination.

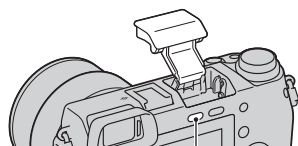
- The recording mode indicator changes from P to P*.

Flash Mode

In dark environments, use the flash to shoot the subject brightly and to prevent camera-shake. When shooting against the sun, use the flash to lighten the image of the backlit subject.

NEX-6:

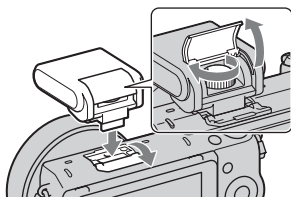
- 1 MENU → [Camera] → [Flash Mode] → desired mode.
- 2 When you want to fire the flash, press the ⚡ (Flash pop-up) button to pop up the flash.









⚡ (Flash pop-up) button

NEX-5R:

- 1 Attach the flash and raise it.
- 2 MENU → [Camera] → [Flash Mode] → desired mode.



 (Flash Off)	Does not fire even if the flash is raised.
 (Autoflash)	Fires in dark environments or when shooting towards bright light.
 (Fill-flash)	Fires every time you trigger the shutter.
 (Slow Sync.)	Fires every time you trigger the shutter. Slow sync shooting allows you to shoot a clear image of both the subject and the background by slowing the shutter speed.
 (Rear Sync.)	Fires right before the exposure is completed every time you trigger the shutter. Rear sync shooting allows you to shoot a natural image of the trail of a moving subject such as a moving car or a walking person.
 (Wireless) (NEX-6 only)	This mode is effective when you attach a remote control-compatible external flash (sold separately) to the camera, and shoot with a wireless flash (sold separately), placed away from the camera.

Notes

- The default setting depends on the shooting mode.
- Available flash mode depends on the shooting mode.
- You cannot use the flash when recording movies.
- When an external flash (sold separately) is attached to Multi Interface Shoe, the state of the external flash has priority over the setting of the camera. You cannot use the camera's internal flash (NEX-6 only).
- The light of the flash may be blocked by the lens attached. If this happens, it is recommended that you attach an external flash (sold separately).
- The corners of a recorded image may be shaded, depending on the lens.
- Do not use a commercially available flash with high-voltage synchro terminals or with reverse polarity (NEX-6 only).
- Accessories for the existing accessory shoe for A-mount camera (Auto-lock Accessory Shoe) can also be attached using the Shoe Adaptor (sold separately) (NEX-6 only).
- The [Wireless] setting cannot be used with the camera's internal flash (NEX-6 only).
- You cannot use the [Self-portrait Self-timer] function when a flash is attached to the camera (NEX-5R only).

Tips on shooting with the flash

- The lens hood may block the light of the flash. Remove the lens hood when using the flash.
- When using the flash, shoot the subject at a distance of 1 m (3.3 feet) or greater.
- When shooting a backlit subject, select [Fill-flash]. The flash will operate even in bright daylight, and make faces come out brighter.

AF/MF Select

Selects auto focusing or manual focusing.

1 MENU → [Camera] → [AF/MF Select] → desired mode.

✓	AF (Autofocus)	Focuses automatically.
	DMF (DMF)	After focusing automatically, make fine focus adjustment manually (Direct Manual Focus).
	MF (Manual Focus)	Adjusts the focus manually. Turn the focusing ring right or left to make the subject look clearer.

Notes

- If you turn the focusing ring when [DMF] or [Manual Focus] is selected, the image is enlarged automatically to enable you to check focus area easier. You can prevent the image from being enlarged by selecting MENU → [Setup] → [MF Assist] → [Off].

💡 Using manual focusing effectively



“Focus fixing” is convenient when you can predict the distance to the subject. With “Focus fixing,” you can fix the focus in advance to the distance at which the subject is to pass.

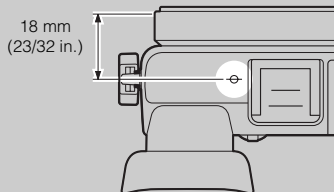
💡 Measuring the exact distance to the subject

The \ominus mark shows the location of the image sensor*. When you measure the exact distance between the camera and the subject, refer to the position of the horizontal line. The distance from the lens contact surface to the image sensor is about 18 mm (23/32 in.).

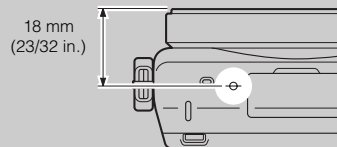
* The image sensor is the part that converts the light source to a digital signal.

- If the subject is closer than the minimum shooting distance of the attached lens, the focus cannot be confirmed. Make sure you put enough distance between the subject and the camera.

NEX-6:



NEX-5R:



DMF (Direct Manual Focus)

- 1 MENU → [Camera] → [AF/MF Select] → [DMF].
- 2 Press the shutter button halfway down to focus automatically.
- 3 Keep the shutter button halfway down, rotate the focusing ring of the lens to achieve a sharper focus.

Notes

- [Autofocus Mode] is fixed to [Single-shot AF].

Using an E PZ 16 – 50 mm F3.5–5.6 OSS lens







When an E PZ 16 – 50 mm F3.5–5.6 OSS lens is attached, functions assigned to the Zooming/Focusing ring change according to the [AF/MF Select] settings.

AF/MF Select	Function assigned to the Zooming/Focusing ring
AF (Autofocus)	Zoom
DMF (DMF (Direct manual focus))	Before pressing the shutter button halfway down: Zoom While pressing the shutter button halfway down: Focus
MF (Manual Focus)	Focus

Autofocus Area

Selects the focusing area. Use this function when it is difficult to get the proper focus in auto focus mode.

1 MENU → [Camera] → [Autofocus Area] → desired mode.

✓	 (Multi)	<p>The camera determines which of the 25 AF areas is used for focusing.</p> <p>When you press the shutter button halfway down in still image shooting mode, a green frame is displayed around the area that is in focus.</p> <ul style="list-style-type: none">• When the [Face Detection] function is active, AF operates with priority on faces.	 <p>AF range finder frame</p>
	 (Center)	<p>The camera uses the AF area located in the center area exclusively.</p>	 <p>AF range finder frame</p>
	 (Flexible Spot)	<p>Moves the focusing area to focus on a small subject or narrow area by pressing the top/bottom/right/left of the control wheel.</p> <p>You can also determine the focus area by touching the screen (NEX-5R only) (page 38).</p>	 <p>AF range finder frame</p>

Notes

- When this function is set to other than [Multi], you cannot use the [Face Detection] function.
- [Multi] is selected when using the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]
 - [Sweep Panorama]
 - [Smile Shutter]
- [Multi] is selected during movie recording. But, if you use an E-mount lens and press the shutter button half way down during recording, the autofocus area you set before you started recording is used for focusing.
- When the AF illuminator is used, the setting of [Autofocus Area] is invalid and the AF area is indicated with a dotted line. AF operates with priority on and around the center area.

💡 Phase Detection AF Area

If the Phase Detection AF ranging points are displayed inside the selected auto focus area, the camera focuses using the Phase Detection AF and the contrast AF in combination.

You can set the display of the Phase Detection AF ranging points by selecting MENU → [Setup] → [Phase Detection AF Area] (page 131).



Phase Detection AF ranging points

Table of contents

Sample photo

Menu

Index

Autofocus Mode

Selects the focus method to suit the movement of the subject.

1 MENU → [Camera] → [Autofocus Mode] → desired mode.

✓	AF-S (Single-shot AF)	The camera focuses and the focus is locked when you press the shutter button halfway down. Use this mode when the subject is motionless.
	AF-C (Continuous AF)	The camera continues to focus while the shutter button is pressed and held halfway down. Use this mode when the subject is in motion.



Notes


- [Single-shot AF] is selected when using the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Self-timer]
 - [Scene Selection], excluding [Sports Action]
 - [Sweep Panorama]
 - [Smile Shutter]
- [Continuous AF] is selected when the exposure mode is set to [Sports Action] in [Scene Selection].
- In [Continuous AF] mode, the audible signals will not sound when the subject is in focus.


Touch Shutter (NEX-5R only)

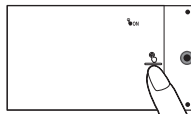
The camera adjusts the focus and releases the shutter automatically when you simply touch the subject that you want to focus on the screen.

1 MENU → [Camera] → [Touch Shutter] → [On].

✓  (On)	Uses touch shutter function.
 (Off)	Does not use touch shutter function.


2 Touch  (Touch shutter OFF) on the screen.

The icon changes to  (Touch shutter ON) and the touch shutter shooting becomes available.



3 Touch the subject on the screen that you want to focus.

The Auto Focus area is displayed on the screen where you touched. When the focus is confirmed, the camera shoots a image automatically.

4 To cancel the touch shutter function, touch  (Touch shutter ON) on the screen.

Notes

- The touch shutter icon is not displayed in the following situations:
 - [Off] in [Touch Operation]
 - [Sweep Panorama]
 - Movie recording
 - [Night Scene] in [Scene Selection]
 - [On (Regist. Faces)] in [Face Detection]
 - The camera is connected to a TV.
 - The camera is connected to other devices using USB cable.
 - The camera is connected to other devices using an HDMI cable.
 - Electronic Viewfinder (sold separately) is used.
 - [Smile Shutter]
 - [Manual Focus] in [AF/MF Select]
 - [Flexible Spot] in [Autofocus Area]
 - [Digital Zoom]

Object Tracking

Continuously track a moving subject.


NEX-6:

- 1 MENU → [Camera] → [Object Tracking].

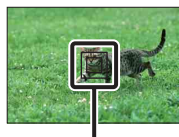
A target frame appears.

- 2 Align the target frame with the subject to be tracked, and select OK.

The camera starts tracking the subject.

To cancel the tracking feature, select .

- 3 Press the shutter button fully down.



Target frame

NEX-5R:


- 1 MENU → [Camera] → [Object Tracking] → [On].

A target frame appears.





- 2 Align the target frame with the subject to be tracked, and select OK.

The camera starts tracking the subject.

You can start object tracking by touching the subject that you want to track on the screen when [Touch Shutter] is set to [Off] and [Object Tracking] is set to [On].

To cancel the tracking feature, select .

- 3 Press the shutter button fully down.

	 (On)	Tracks the subject that the camera is focused on.
	 (Off)	Does not track the subject that the camera is focused on. Focusing is performed where you touch (NEX-5R only). To cancel this function, select  .

Notes

- Tracking may be difficult in the following situations:
 - The subject is moving too quickly.
 - The subject is too small, or too large.
 - The contrast between the subject and the background is poor.
 - It is dark.
 - The ambient light changes.
- When [Object Tracking] is activated, the custom setting of soft key B is invalid.
- You cannot use [Object Tracking] with the following functions:
 - [Hand-held Twilight], [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Manual Focus]
 - The [Zoom] feature of the camera

Tracking the face you want to shoot

The camera stops tracking a subject when the subject moves off of the screen. When [Face Detection] is set to [On] and the subject to be tracked is a face, if the face disappears from the screen while the camera is tracking, and then returns to the screen, the camera focuses on that face again.

- If you trigger [Smile Shutter] while tracking a face, the face becomes the target of the smile detection feature.
- If you set a face as a target, the camera tracks the body when the face is not visible on the LCD screen. You can set whether to preferentially-track a certain face or not using [Face Priority Tracking] (page 155).

Zoom

With the [Zoom] feature of the camera, the camera allows you to use a higher magnification zoom than the optical zoom factor of the zoom lens to magnify the image. The maximum zoom scale that can be set with the [Zoom] feature of the camera depends on the setting of [Image Size] (page 98), [Clear Image Zoom] (page 139), or [Digital Zoom] (page 140).

When using a lens with power zoom:

- 1 Zoom the subject by using a zooming lever or zooming ring.

When you operate the lens with power zoom, the camera shifts automatically to the [Zoom] feature of the camera when the magnification scale is greater than that of the optical zoom.

When using a lens without power zoom:









- 1 When using a zoom lens, magnify the image with the zooming ring.
- 2 MENU → [Camera] → [Zoom] → desired value.

The [Zoom] features available with this camera

The [Zoom] feature of the camera provides a higher magnification zoom by combining various zoom features. The icon displayed on the LCD screen changes as follows, according to the selected zoom feature.



- ① **Q** : The [Zoom] feature of the camera is not used. (×1.0 is indicated.)
- ② **sQ** Smart Zoom: You can magnify images by trimming them partially. (Available only when [Image Size] is set to [M] or [S].)
- ③ **cQ** Clear Image Zoom: You can magnify images using a high-quality image process.
- ④ **DQ** Digital Zoom: You can magnify images using an image process. (The default setting is [Off].)

Your purpose	Clear Image Zoom	Digital Zoom	Image Size	Zoom scale with optical zoom	
Zooming images by trimming them in the available range (without deterioration of image quality).	Off	Off	L	–	
			M	About 1.4×	
			S	About 2×	
Giving priority to image quality when zooming images.	On	Off	L	About 2×*	
			M	About 2.8×	
			S	About 4×	
Giving priority to higher magnification when zooming images.	On	On	L	About 4×	
			M	About 5.5×	
			S	About 8×	

* Zoom scale in the default setting

Notes

- You cannot set this item when using the following functions:
 - [Sweep Panorama]
 - [Smile Shutter]
 - [RAW] or [RAW & JPEG] in [Quality]
- You cannot use the [Zoom] feature in MENU when a lens with power zoom is attached. When you operate the zooming lever or zooming ring, the camera shifts automatically to the [Zoom] feature of the camera when the magnification scale is greater than that of the optical zoom.
- You cannot use [Clear Image Zoom] when the [Drive Mode] is set to continuous or bracket shooting.
- You cannot use the Smart Zoom or [Clear Image Zoom] function with movies. If you press the MOVIE button during a zoom operation, the camera zooms in the range of [Digital Zoom].
- When you use the [Zoom] feature of the camera, the setting of [Autofocus Area] is invalid and the AF area is indicated with a dotted line. AF operates with priority on and around the center area. Also, [Metering Mode] is fixed to [Multi].



The quality of the [Zoom] feature of the camera

As the image is zoomed by digital processing in [Clear Image Zoom] and [Digital Zoom], the image quality deteriorates compared to that before zooming was used. If you use a zoom lens, we recommend that you fully zoom in on an image using the zooming ring first, and then use the [Zoom] feature of the camera if you need further zooming.

Face Detection

Detects the faces of your subjects and adjusts the focus, exposure, flash settings and perform image processing automatically. You can select the priority face to be focused on.






Face Detection frame (white)

When the camera detects more than 1 subject, the camera will judge which is the main subject and set focus by priority. The Face Detection frame for the main subject will turn white. The frame for which the focus is set will turn green by pressing the shutter button halfway down.

Face Detection frame (gray/magenta)

This frame appears on a detected face that is not the face with the priority focus. The magenta frame appears on a face that is registered with [Face Registration].

1 MENU → [Camera] → [Face Detection] → desired mode.

✓	 (On (Regist. Faces))	Focuses on faces registered so as to have priority.
	 (On)	Selects the face which the camera is to automatically focus on.
	 (Off)	Does not use the [Face Detection] function.

Notes

- You cannot use [Face Detection] with the following functions:
 - [Sweep Panorama]
 - [Manual Focus]
 - The [Zoom] feature of the camera
- You can select [Face Detection] only when [Autofocus Area] is set to [Multi], and [Metering Mode] is also set to [Multi].
- Up to 8 faces of your subjects can be detected.
- During [Smile Shutter] shooting, [Face Detection] is automatically set to [On (Regist. Faces)] even if it is set to [Off].

Face Registration

If you register faces in advance, the camera can detect the registered face as a priority when [Face Detection] is set to [On (Regist. Faces)].

1 MENU → [Camera] → [Face Registration] → desired mode.

New Registration	Registers a new face.
Order Exchanging	Changes the priority of faces previously registered.
Delete	Deletes a registered face. Select a face and press OK.
Delete All	Deletes all registered faces.

New Registration

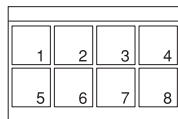
- 1 MENU → [Camera] → [Face Registration] → [New Registration].
- 2 Align the guide frame with the face to be registered, and press the shutter button.
- 3 When a confirmation message appears, select OK.

Notes

- Up to 8 faces can be registered.
- Shoot the face from the front in a brightly lit place. The face may not be registered correctly if it is obscured by a hat, a mask, sunglasses, etc.
- Even if you execute [Reset Default], registered faces are not deleted. When you execute [Factory Reset], all the registered face are deleted.
- Even if you execute [Delete], the data for registered face will remain in the camera. To delete the data for registered faces from the camera, select [Delete All].

Order Exchanging

- 1 MENU → [Camera] → [Face Registration] → [Order Exchanging].
- 2 Select a face for which you want to change the priority.
- 3 Select the priority level.
The smaller the number of the position, the higher the priority.



Notes

- You cannot select priority level 8 by touching the screen. If you want to change the level to 8, select it using the control wheel (NEX-5R only).

Smile Shutter

When the camera detects a smile, the shutter is released automatically.

1 MENU → [Camera] → [Smile Shutter] → [On].

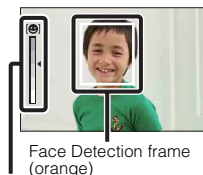
2 To set the sensitivity to detect a smile, OPTION → desired setting.

3 Wait for a smile to be detected.

When the smile level exceeds the ◀ point on the indicator, the camera records images automatically.

If you press the shutter button during [Smile Shutter] shooting, the camera shoots the image, and then returns to [Smile Shutter] mode.

4 To exit [Smile Shutter] mode, MENU → [Camera] → [Smile Shutter] → [Off].



Smile Detection indicator

✓	☹ OFF (Off)	Does not use the Smile Shutter.
	😊 (On)	Uses the Smile Shutter.

You can set the sensitivity to detect a smile with OPTION.

	😊 (On: Big Smile)	Detects a big smile.
✓	😊 (On: Normal Smile)	Detects a normal smile.
	😊 (On: Slight Smile)	Detects even a slight smile.

Notes

- You cannot use [Smile Shutter] with the following functions:
 - [Hand-held Twilight], [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Manual Focus]
- If you set [Smile Shutter] to [On] while the [Zoom] feature of the camera is being used, the [Zoom] feature of the camera is canceled.
- Smiles may not be detected correctly depending on the conditions.
- The [Drive Mode] turns to [Single Shooting] automatically.

💡 Tips for better capturing of smiles

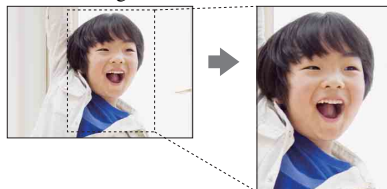


- ① Do not cover the eyes with the bangs.
Do not obscure the face by a hat, masks, sunglasses, etc.
- ② Try to orient the face in front of the camera and be as level as possible.
Keep the eyes narrowed.
- ③ Give a clear smile with an open mouth.
The smile is easier to be detected when the teeth are shown.


- The shutter operates when any person whose smile is detected.
- If a face is registered, the camera detects the smile of that face only.
- If a smile is not detected, set the sensitivity with **OPTION**.

Auto Port. Framing



When the camera detects and shoots a face, the captured image is automatically trimmed into its optimal composition. Both the original and the trimmed images are saved. The trimmed image is recorded in the same size as the original image size.



1 MENU → [Camera] → [Auto Port. Framing] → desired mode.

The  icon on the screen turns green when the camera decides that an image being captured can be trimmed.

After the shot, a frame showing the trimmed area is displayed on the auto review screen.

 (Off)	Does not use the [Auto Port. Framing] function.
 (Auto)	Uses the [Auto Port. Framing] function.

Notes



- You cannot use [Auto Port. Framing] with the following functions:
 - [Hand-held Twilight], [Sports Action], [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Cont. Shooting]
 - [Spd Priority Cont.]
 - [Bracket: Cont.]
 - [Manual Focus]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
 - [RAW] or [RAW & JPEG] in [Quality]
 - [Auto HDR]
 - The [Zoom] feature of the camera
 - When [Face Detection] is set to [Off]
- The trimmed image may not be the best possible composition, depending on the shooting conditions.

Soft Skin Effect




Sets the effect used for shooting the skin smoothly in the [Face Detection] function.

1 MENU → [Camera] → [Soft Skin Effect] → [On].

2 To set the intensity of the Soft Skin Effect, OPTION → desired setting.

	 (On)	Uses the [Soft Skin Effect] function.
✓	 (Off)	Does not use the [Soft Skin Effect] function.

You can set the intensity of the [Soft Skin Effect] with OPTION.

	 (High)	Sets [Soft Skin Effect] to high.
✓	 (Mid)	Sets [Soft Skin Effect] to medium.
	 (Low)	Sets [Soft Skin Effect] to low.

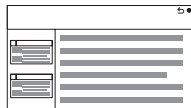
Notes

- You cannot use [Soft Skin Effect] with the following functions:
 - Movie recording
 - [Cont. Shooting]
 - [Spd Priority Cont.]
 - [Bracket: Cont.]
 - [Self-timer(Cont)]
 - [Sports Action] in [Scene Selection]
 - [Sweep Panorama]
 - [RAW] in [Quality]
- This function may not work, depending on your subject.

Shooting Tip List

Allows you to search through all shooting tips in the camera.

Use this item when you want to look at shooting tips you have seen before.



1 MENU → [Camera] → [Shooting Tip List].

2 Search for the desired shooting tip.

Turn the control wheel to scroll the text up and down.

You can access a tip from the [Table of contents].

Notes

- You cannot scroll the text by sliding your finger across the screen. Use the control wheel to scroll the text (NEX-5R only).





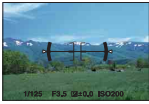

DISP Button(Monitor)

Allows you to select the screen display modes that can be selected with [Display Contents] (page 49) in shooting mode.

1 MENU → [Camera] → [DISP Button(Monitor)].

2 Select the desired mode.

The items marked with ✓ are available.

Graphic Display	Shows basic shooting information. Graphically shows the shutter speed and aperture value, except for when [Shoot Mode] is set to [Sweep Panorama].	
Display All Info.	Shows recording information.	
Big Font Size Disp.	Shows only major items in a larger size.	
No Disp. Info.	Does not show recording information.	
Level	Indicates whether the camera is level in both the horizontal and front-back directions. When the camera is level in both directions, the indicator turns to green. <ul style="list-style-type: none">• If you tilt the camera to the front or back to a large degree, the level indicator may have a large margin of error.• Errors of approximately $\pm 1^\circ$ may occur even if the camera's tilt is mostly adjusted.	
Histogram	Displays the luminance distribution graphically.	

For viewfinder

Shows only shooting information on the screen (no image). Select this option when you shoot using a viewfinder (sold separately for the NEX-5R). Press the Fn (Function) button and select a function for which you want to change the setting. The setting screen for the selected function opens. (Quick Navi) (NEX-6 only)

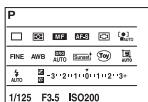


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Image Size

The image size determines the size of the image file that is recorded when you record an image.

The larger the image size, the more detail will be reproduced when the image is printed on large-format paper. The smaller the image size, the more images can be recorded.

1 MENU → [Image Size] → [Image Size] → desired mode.

Still



Image size when [Aspect Ratio] is 3:2		Usage guidelines
✓	L: 16M	4912 × 3264 pixels For prints up to A3+ size
	M: 8.4M	3568 × 2368 pixels For prints up to A4 size
	S: 4.0M	2448 × 1624 pixels For prints L/2L size
Image size when [Aspect Ratio] is 16:9		Usage guidelines
✓	L: 14M	4912 × 2760 pixels For viewing on a high-definition TV
	M: 7.1M	3568 × 2000 pixels
	S: 3.4M	2448 × 1376 pixels

Notes

- When you print still images recorded with 16:9 aspect ratio, both edges may be cut off.

Sweep Panorama

The image size varies depending on the [Panorama Direction] setting.

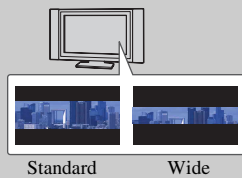
✓	 (Standard)	Shoots images using standard size. Vertical: 3872 × 2160 pixels Horizontal: 8192 × 1856 pixels
	 (Wide)	Shoots images using wide size. Vertical: 5536 × 2160 pixels Horizontal: 12416 × 1856 pixels

Notes

- When you print panoramic images, both edges may be cut off.

💡 Tips for selecting the image size

The images appear differently, depending on the mode selected.



The images are scrolled when you press the center of the control wheel.

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Aspect Ratio

Sets the aspect ratio of still images.

1 MENU → [Image Size] → [Aspect Ratio] → desired mode.

✓	3:2	Standard aspect ratio. Suitable for prints.
	16:9	For viewing on a high-definition TV.

Notes

- You cannot set this item when shooting in [Sweep Panorama] mode.

Quality

Selects the compression format of still images.

1 MENU → [Image Size] → [Quality] → desired mode.

	RAW (RAW)	File format: RAW (Records using the RAW compression format.) This format does not allow you to perform any digital processing on the images. Select this format to process images on a computer for professional purposes. <ul style="list-style-type: none">• The image size is fixed to the maximum size. The image size is not displayed on the LCD screen.
	RAW+J (RAW & JPEG)	File format: RAW (Records using the RAW compression format.) + JPEG A RAW image and a JPEG image are created at the same time. This is suitable when you need 2 image files, a JPEG for viewing, and a RAW for editing. <ul style="list-style-type: none">• The image quality is fixed to [Fine], and the image size is fixed to [L].
✓	FINE (Fine)	File format: JPEG
	STD (Standard)	The image is compressed in the JPEG format when recorded. Since the compression rate of [Standard] is higher than that of [Fine], the file size of [Standard] is smaller than that of [Fine]. This will allow more files to be recorded on 1 memory card, but the image quality will be lower. <ul style="list-style-type: none">• When images are not going to be modified using your computer, we recommend that you select [Fine] or [Standard].

Notes

- You cannot set this item when shooting in [Sweep Panorama] mode.
- You cannot add DPOF (print order) registration to RAW format images.
- You cannot use [Auto HDR] with [RAW] and [RAW & JPEG] images.

RAW images





A RAW format file is raw data that has not been through any kind of digital processing. RAW files are different from more general file formats such as JPEG files, and contain raw material to be processed for professional purposes.

You need the “Image Data Converter” software included on the CD-ROM (supplied) in order to open a RAW image recorded on this camera. With this software, a RAW image can be opened and converted to a common format, such as JPEG or TIFF, and you can readjust its white balance, color saturation, contrast, etc.

Panorama Direction

Sets the direction to pan the camera when you shoot [Sweep Panorama] images.

1 MENU → [Image Size] → [Panorama Direction] → desired mode.

✓	 (Right)	Pan the camera in the direction you set.
	 (Left)	
	 (Up)	
	 (Down)	

File Format

Selects the movie file format.

1 MENU → [Image Size] → [File Format] → desired mode.

✓	AVCHD	Records 60i/50i movies, 24p/25p movies or 60p/50p movies in AVCHD format. This file format is suitable for viewing the movie on a high-definition TV. You can create a Blu-ray Disc, an AVCHD recording disc, or a DVD-Video disc using the supplied software "PlayMemories Home." <ul style="list-style-type: none">• 60i/50i movies are recorded at either 60 fields/second or at 50 fields/second, respectively. Both 60i and 50i movies utilize the interlace scanning system, Dolby Digital audio, and the AVCHD format.• 24p/25p movies are recorded at either 24 frames/second or at 25 frames/second, respectively. Both 24p and 25p movies utilize the progressive scanning system, Dolby Digital audio, and the AVCHD format.• 60p/50p movies are recorded at either 60 frames/second, or at 50 frames/second, respectively. Both 60p and 50p movies utilize the progressive scanning system, Dolby Digital audio, and the AVCHD format.
	MP4	Records mp4 (AVC) movies. This format is suitable for WEB uploads, e-mail attachments, etc. <ul style="list-style-type: none">• Movies are recorded in MPEG-4 format at about 30 frames/second, utilizing the progressive scanning system, AAC audio, and the mp4 format.• You cannot create a disc from the movies recorded in this format using the supplied software "PlayMemories Home."

Checking 60i or 50i

To check if your camera is a 1080 60i-compatible device or 1080 50i-compatible device, check for the following marks on the bottom of the camera.

1080 60i-compatible device: 60i

1080 50i-compatible device: 50i

Playing movies on other devices

This camera uses MPEG-4 AVC/H.264 High Profile for AVCHD format recording. Movies recorded in AVCHD format with this camera cannot be played by the following devices.

- Other AVCHD format compatible devices which are not compatible with High Profile
- Devices which are not compatible with the AVCHD format

This camera also uses MPEG-4 AVC/H.264 Main Profile for MP4 format recording. For this reason, movies recorded in MP4 format with this camera cannot be played on devices other than those that support MPEG-4 AVC/H.264.

Record Setting

Selects the image size, frame rate, and image quality for movie recording. The higher the data rate (average bit-rate) per second, the higher the image quality.

1 MENU → [Image Size] → [Record Setting] → desired mode.

[File Format]: [AVCHD]	Bit-rate	Recording
60i 24M(FX)* 50i 24M(FX)**	Maximum 24 Mbps	Records high image quality movies of 1920 × 1080 (60i/50i).
✓ 60i 17M(FH)* 50i 17M(FH)**	Average 17 Mbps	Records standard image quality movies of 1920 × 1080 (60i/50i).
60p 28M(PS)* 50p 28M(PS)**	Maximum 28 Mbps	Records highest image quality movies of 1920 × 1080 (60p/50p).
24p 24M(FX)* 25p 24M(FX)**	Maximum 24 Mbps	Records high image quality movies of 1920 × 1080 (24p/25p). This produces a cinema-like atmosphere.
24p 17M(FH)* 25p 17M(FH)**	Average 17 Mbps	Records standard image quality movies of 1920 × 1080 (24p/25p). This produces a cinema-like atmosphere.
[File Format]: [MP4]	Bit-rate	Recording
✓ 1440×1080 12M	Average 12 Mbps	Records movies of 1440 × 1080.
VGA 3M	Average 3 Mbps	Records movies of VGA size.

* 1080 60i-compatible device

** 1080 50i-compatible device

Notes

- Movies recorded using the 1080 60p/50p setting can be played back only on compatible devices.
- Movies recorded with the [60p 28M(PS)/50p 28M(PS)]/[60i 24M(FX)/50i 24M(FX)]/[24p 24M(FX)/25p 24M(FX)] setting in [Record Setting] are converted by "PlayMemories Home" in order to create an AVCHD recording disc. This conversion can take a long time. Also, you cannot create a disc in the original image quality. If you want to keep the original image quality, store your movies on a Blu-ray Disc.

💡 Checking 60i or 50i

To check if your camera is a 1080 60i-compatible device or 1080 50i-compatible device, check for the following marks on the bottom of the camera.

1080 60i-compatible device: 60i

1080 50i-compatible device: 50i

White Balance













Adjusts the color temperature according to the ambient light conditions.

Use this feature when the color temperature of the image did not come out as you expected, or when you want to change the color temperature on purpose for photographic expression.

1 MENU → [Brightness/Color] → [White Balance] → desired mode.

You can finely adjust the color temperature with OPTION.

To adjust the white balance to suit a specific light source, see the explanation on each mode.





✓	AWB (Auto WB)	The camera automatically detects a light source and adjusts the color temperature.
	 (Daylight)	If you select an option to suit a specific light source, the color temperature is adjusted for the light source (preset white balance).
	 (Shade)	
	 (Cloudy)	
	 (Incandescent)	
	 (Fluor.: Warm White)	
	 (Fluor.: Cool White)	
	 (Fluor.: Day White)	
	 (Fluor.: Daylight)	
	 (Flash)	
	 (C.Temp./Filter)	
	 (Custom)	Allows to use the white balance setting retained by [Custom Setup].
	 SET (Custom Setup)	Memorizes the basic white color (Custom white balance).

Notes

- [Auto WB] is selected when using the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]

💡 Effects of lighting conditions

The apparent color of the subject is affected by the lighting conditions. The color temperature is adjusted automatically, but you can adjust color temperature manually using the [White Balance] function.

Weather/lighting	Daylight	Cloudy	Fluorescent	Incandescent
Characteristics of light	White (standard)	Bluish	Green-tinged	Reddish
				

Adjusting the color temperature finely

- 1 MENU → [Brightness/Color] → [White Balance] → desired mode.
- 2 As necessary, OPTION → adjust the color temperature by pressing the top/bottom/right/left parts of the control wheel.
Or touch the graph on the screen to adjust the color temperature (NEX-5R only).
You can adjust the color temperature towards G (green), M (magenta), A (amber) or B (blue).


C.Temp./Filter

- 1 MENU → [Brightness/Color] → [White Balance] → [C.Temp./Filter].
- 2 OPTION → select the desired color temperature by turning the control wheel or by touching the desired item on the screen (NEX-5R only).
The higher the number, the more reddish the image, and the lower the number, the more bluish the image.
- 3 Adjust the color temperature by pressing the top/bottom/right/left parts of the control wheel or by touching the graph on the screen (NEX-5R only).

Custom White Balance

- 1 MENU → [Brightness/Color] → [White Balance] → [Custom Setup].
- 2 Hold the camera so that the white area fully covers the AF area located in the center, and then press the shutter button down.
The shutter clicks and the calibrated values (color temperature and color filter) are displayed.
- 3 To call the custom white balance setting, MENU → [Brightness/Color] → [White Balance] → [Custom].
You can finely adjust the color temperature with OPTION.





Notes

- If the flash is used when the shutter button is pressed, a custom white balance is registered with the flash light taken into account. Take pictures with the flash in later shootings.
- The message “Custom WB Error” indicates that the value is beyond the expected range, when the flash is used on a subject in close proximity or a subject with a bright color is in the frame. If you register this value, the  indicator turns yellow on the recording information display. You can shoot at this point, but it is recommended that you set the white balance again to get a more accurate white balance value.

Metering Mode

Selects the metering mode that sets which part of the subject to measure to determine the exposure.

1 MENU → [Brightness/Color] → [Metering Mode] → desired mode.

✓	 (Multi)	Measures light on each area after dividing the total area into multiple areas and determines the proper exposure of the entire screen (Multi-pattern metering).
	 (Center)	Measures the average brightness of the entire screen, while emphasizing the central area of the screen (Center-weighted metering).
	 (Spot)	Measures only the central area (Spot metering). This function is useful when the subject is backlit or when there is strong contrast between the subject and the background.  Place the spot metering circle over the subject.


Notes

- If you set [Metering Mode] to other than [Multi], the [Face Detection] function cannot be used.
- [Multi] is selected when using the following functions:
 - Movie recording
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]
 - The [Zoom] feature of the camera
 - [Smile Shutter]

Flash Comp.

Adjusts the amount of flash light in 1/3 EV steps in a range of -2.0 EV to +2.0 EV. Flash compensation changes the amount of flash light only. Exposure compensation changes the amount of flash light along with the change of the shutter speed and aperture.

NEX-6:

- 1 Press the  (flash pop-up) button to pop up the flash.
- 2 MENU → [Brightness/Color] → [Flash Comp.] → desired value.
Selecting higher values (+ side) makes the flash level higher and images brighter. Selecting lower values (- side) makes the flash level lower and images darker.

NEX-5R:

- 1 Attach the flash and raise it.
- 2 MENU → [Brightness/Color] → [Flash Comp.] → desired value.
Selecting higher values (+ side) makes the flash level higher and images brighter. Selecting lower values (- side) makes the flash level lower and images darker.

Notes

- You cannot use [Flash Comp.] with the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]
 - [Sweep Panorama]
 - [Bracket: Cont.]
- The higher flash effect may not be visible due to the limited amount of flash light available, if the subject is outside the maximum range of the flash. If the subject is very close, the lower flash effect may not be visible.

Tips to adjust the brightness when shooting people






- It is important to balance the brightness of people against the dark background in night portraits. You can adjust the brightness of people near the camera by changing the flash light intensity.
- If the subject is too far from the flash and still too dark after adjustment, move closer to your subject.

DRO/Auto HDR

Corrects the brightness or contrast.

1 MENU → [Brightness/Color] → [DRO/Auto HDR] → desired mode.

	 (Off)	Does not use [DRO/Auto HDR].
✓	 DRO (D-Range Opt.)	By dividing the image into small areas, the camera analyzes the contrast of light and shadow between the subject and the background, producing the image with the optimal brightness and gradation.
	 (Auto HDR)	Shoots 3 images with different exposures, and then overlays the bright area of the under exposed image and the dark area of the over exposed image to create an image with rich gradation. 1 image with proper exposure and 1 overlaid image are recorded.

Notes


- You can select [DRO/Auto HDR] only in the following modes:
 - [Manual Exposure]
 - [Shutter Priority]
 - [Aperture Priority]
 - [Program Auto]

D-Range Opt.

Corrects the brightness of the image (DRO: Dynamic Range Optimizer).

1 MENU → [Brightness/Color] → [DRO/Auto HDR] → [D-Range Opt.].

2 OPTION → desired value.

✓	 (Auto)	Corrects the brightness automatically.
	Lv1 – Lv5	Optimizes the gradations of a recorded image in each area of the image. Select the optimal level between Lv1 (weak) and Lv5 (strong).


Notes

- [Auto] is selected when using the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Portrait], [Landscape], [Macro], [Sports Action] in [Scene Selection]
- When shooting with [D-Range Opt.], the image may be noisy. Select the proper level by checking the recorded image, especially when you enhance the effect.


Auto HDR

Widens the range (gradations) so that you can record from bright parts to dark parts in correct brightness (HDR: High Dynamic Range). 1 image with proper exposure and 1 overlaid image are recorded.

- 1 MENU → [Brightness/Color] → [DRO/Auto HDR] → [Auto HDR].
- 2 OPTION → desired value.

✓	 (Auto HDR: Exposure Diff. Auto)	Corrects the exposure difference automatically.
	1.0 EV – 6.0 EV	Sets the exposure difference, based on the contrast of the subject. Select the optimal level between 1.0 EV (weak) and 6.0 EV (strong).
















Notes









- You cannot start the next shoot until the capture process is fully completed.
- You cannot use this function with [RAW] and [RAW & JPEG] images.
- Since the shutter is released 3 times for a single shot, be cautious of the following:
 - Use this function when the subject is motionless or does not blink.
 - Do not change the composition before shooting.
- You may not obtain a desired effect depending on the luminance difference of a subject and the shooting conditions.
- When the flash is used, this function has little effect.
- When the contrast of the scene is low or when significant camera-shake or subject blur has occurred, you may not be able to obtain good HDR images. If the camera detects such situation,  is displayed on the recorded image to inform you of this situation. If necessary, change the composition or otherwise adjust the settings, be careful of blurring, and shoot again.

Picture Effect

You can shoot with an effect filter to obtain the various textures.



1 MENU → [Brightness/Color] → [Picture Effect] → desired mode.

✓	 OFF (Off)	Disables the Picture Effect function.	
	 (Toy Camera)	Creates the look of a Toy Camera photo with shaded corners and pronounced colors. You can set the color tone with OPTION.	
	 (Pop Color)	Creates a vivid look by emphasizing color tones.	
	 (Posterization)	Creates a high contrast, abstract look by heavily emphasizing primary colors, or in black and white. You can select primary colors or black and white with OPTION.	
	 (Retro Photo)	Creates the look of an aged photo with sepia color tones and faded contrast.	
	 (Soft High-key)	Creates an image with the indicated atmosphere: bright, transparent, ethereal, tender, soft.	
	 (Partial Color)	Creates an image which retains a specific color, but converts others to black and white. You can select a color with OPTION.	
	 (High Contrast Mono.)	Creates a high-contrast image in black and white.	

	 (Soft Focus)	<p>Creates an image filled with a soft lighting effect. You can set the intensity of the effect with OPTION.</p>	
	 (HDR Painting)	<p>Creates the look of a painting, enhancing the colors and details. The camera releases the shutter 3 times. You can set the intensity of the effect with OPTION.</p>	
	 (Rich-tone Mono.)	<p>Creates an image in black and white with rich gradation and reproduction of details. The camera releases the shutter 3 times.</p>	
	 (Miniature)	<p>Creates an image which enhances the subject vividly, with the background defocused considerably. This effect may often be found in pictures of miniature models. You can select the area to be in focus with OPTION. The focus on other areas is greatly reduced.</p>	

Notes

- You can select [Picture Effect] only in the following modes:
 - [Manual Exposure]
 - [Shutter Priority]
 - [Aperture Priority]
 - [Program Auto]
- You cannot use [Picture Effect] with [RAW] and [RAW & JPEG] images.
- The [Toy Camera] and [Miniature] effects may not be available with the [Zoom] feature of the camera.
- When [Partial Color] is selected, images may not retain the selected color, depending on the subject.
- You cannot check the following effects on the shooting screen, because the camera is still processing the image that has been just shot. Also, you cannot shoot another image until the image processing is finished. You cannot use these effects with movies.
 - [Soft Focus]
 - [HDR Painting]
 - [Rich-tone Mono.]
 - [Miniature]
- In the case of [HDR Painting] and [Rich-tone Mono.], the shutter is released 3 times for 1 shot. Be careful about the following:
 - Use this function when the subject is motionless or does not blink.
 - Do not change the composition before shooting.







When the contrast of the scene is low or when significant camera-shake or subject blur has occurred, you may not be able to obtain good HDR images. If the camera detects such situation,  /  appear on the recorded image to inform you of this situation. If necessary, change the composition or otherwise adjust the settings, be careful of blurring, and shoot again.




Creative Style




Allows you to select the desired image processing.

You can adjust exposure (shutter speed and aperture) as you like with [Creative Style], unlike with [Scene Selection] where the camera adjusts the exposure.

- 1 MENU → [Brightness/Color] → [Creative Style] → desired mode.
- 2 When you want to adjust contrast, saturation, or sharpness, OPTION → desired setting.

✓	 (Standard)	For shooting various scenes with rich gradation and beautiful colors.
	 (Vivid)	The saturation and contrast are heightened for shooting striking images of colorful scenes and subjects such as flowers, spring greenery, blue sky, or ocean views.
	 (Portrait)	For shooting the skin color in a soft tone, ideally suited for shooting portraits.
	 (Landscape)	The saturation, contrast, and sharpness are heightened for shooting vivid and crisp scenery. Distant landscapes also stand out more.
	 (Sunset)	For shooting the beautiful red of the setting sun.
	 (Black & White)	For shooting images in black and white monotone.

 (Contrast),  (Saturation), and  (Sharpness) can be adjusted for each [Creative Style] item.

 (Contrast)	The higher the value selected, the more the difference of light and shadow is accentuated, thus making an impact on an image.
 (Saturation)	The higher the value selected, the more vivid the color. When a lower value is selected, the color of the image is restrained and subdued.
 (Sharpness)	Adjusts the sharpness. The higher the value selected, the more the contours are accentuated, and the lower the value selected, the more the contours are softened.

Notes

- When [Black & White] is selected, you cannot adjust [Saturation].
- [Standard] is selected when using the following functions:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]
 - [Picture Effect] (except [Off])

Delete

Allows you to select unwanted images for deletion.

1 MENU → [Playback] → [Delete] → desired mode.


✔	Multiple Img.	Deletes the selected images. Press the center of the control wheel to select OK. Or, touch the image and select OK (NEX-5R only).
	All in Folder	Deletes all images in the selected folder, or all AVCHD movies.
	All AVCHD view files	

Notes

- You can select up to 100 images.



Deleting an image

It is easier to delete an image displayed on the screen by selecting  (Delete) of soft key (page 41).

Still/Movie Select

Selects the unit of images to be played back.

1 MENU → [Playback] → [Still/Movie Select] → desired mode.

✓	Folder View(Still)	Displays still images by folder.
	Folder View(MP4)	Displays MP4 movies by folder.
	AVCHD View	Displays AVCHD movies.

Slide Show

Plays back images automatically.

Plays back only 3D images in Slide Show on the 3D TV connected to the camera.

1 MENU → [Playback] → [Slide Show] → desired mode → OK.

Repeat		
<input type="checkbox"/>	On	Plays back images in a continuous loop.
<input checked="" type="checkbox"/>	Off	After all the images have been played back, the Slide Show ends.
Interval		
<input type="checkbox"/>	1 Sec	Sets the display interval of images.
<input checked="" type="checkbox"/>	3 Sec	
<input type="checkbox"/>	5 Sec	
<input type="checkbox"/>	10 Sec	
<input type="checkbox"/>	30 Sec	
Image Type		
<input checked="" type="checkbox"/>	All	Plays back all still images as normal images.
<input type="checkbox"/>	Display 3D Only	Plays back 3D images only.

Notes

- You cannot pause the Slide Show. To stop the Slide Show, press the center of the control wheel.
- You can play back images in Slide Show when [Still/Movie Select] is set to [Folder View(Still)] only.
- A panoramic image is displayed in full image. To scroll a panoramic image, press the center of the control wheel when the image is displayed.
- You cannot shoot 3D images with this camera.

View on Smartphone

You can transfer still images to a Smartphone and view them. Download the application “PlayMemories Mobile” to your Smartphone from the application store.

1 Install “PlayMemories Mobile” to your Smartphone.

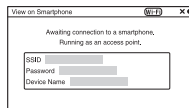
Please download “PlayMemories Mobile” to your Smartphone from the application store for your Smartphone.

2 Press (View on Smartphone) and select the desired mode.


If another function is assigned to soft key B, select MENU → [Playback] → [View on Smartphone].

This Image	Transfers the most recently shot or played back image on the screen to the Smartphone.
All Images on This Date	Transfers all still images in the same date range as the most recently shot or played back image to the Smartphone.
All Images in The Device	Transfers all still images in the camera to the Smartphone.

- 3 If the camera is ready for the transfer, the information screen appears on the camera. Connect the Smartphone and the camera using that information.



Notes

- Some images may not be displayed on the Smartphone depending on the recording format.
- You can only transfer still images. Movies cannot be transferred.
- The camera shares the connection information for [View on Smartphone] with a device that has permission to connect. If you want to change the device that is permitted to connect to the camera, reset the connection information by following these steps. MENU → [Setup] → [Reset View on Smartphone]. After resetting the connection information, you must register the Smartphone again (page 201).
- “PlayMemories Mobile” is not available in some countries/regions. [View on Smartphone] is not available in some countries/regions that are not compatible with “PlayMemories Mobile.”
- When the camera is ready for the transfer but you discontinue the connection with the Smartphone by selecting  on the camera’s screen, it may take a few seconds to return to the playback screen.

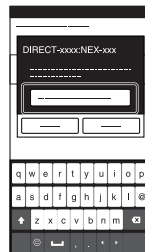
Transferring images to Android using “PlayMemories Mobile”

- 1 Start “PlayMemories Mobile” on Android.
- 2 Select the camera (DIRECT-xxxx:NEX-xxx).



- 3 Enter the password that is displayed on the camera.

Android is connected to the camera.



- 4 Follow the instructions on the screen to transfer the image.

Table of contents

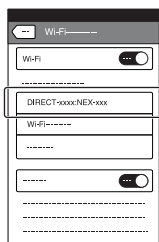
Sample photo

Menu

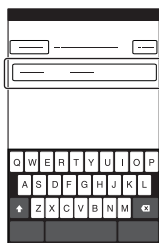
Index

Transferring images to iOS using “PlayMemories Mobile”

- 1 Select the camera (DIRECT-xxxx:NEX-xxx) on the Wi-Fi setting screen of the iOS.



- 2 Enter the password that is displayed on the camera.
iOS is connected to the camera.



- 3 Start “PlayMemories Mobile” on the iOS.
- 4 Follow the instructions on the screen to transfer the image.

Send to Computer

You can easily back up images by transferring them to a computer connected to the network. Before saving, install the software “PlayMemories Home” on your computer, connect the computer and the camera using a USB cable, and register the camera to “PlayMemories Home.” You will also need to register your access point beforehand (pages 195, 196).

- 1 Start your computer.
- 2 MENU → [Playback] → [Send to Computer]


Notes

- Depending on the application settings of your computer, the camera will turn off after saving the images to your computer.

View on TV

If the camera and TV are not connected using an HDMI cable, you can view images on a network-enabled TV by transferring the image from the camera.

1 MENU → [Playback] → [View on TV] → desired device to be connected.

2 When you want to play back images using slideshow, select .

To play back images manually, press the right/left side of the control wheel.

To change the device to be connected, select OPTION to select [Device list].



Slideshow setting

You can change the settings for the slideshow by pressing OPTION.

Playback Selection	Selects the group of images to be shown. Selects from [All Images in The Device] or [All in Folder].
Interval	Selects from [Short] to [Long].
Effects*	Selects from [On] and [Off].

* The settings are effective only for BRAVIA TV which is compatible with the functions.

Notes

- You can use this function on a TV that supports DLNA renderer.
- You can view images on a Wi-Fi Direct-enabled TV or network-enabled TV (including cable TV).
- When you use a Wi-Fi Direct-enabled TV, you can view images even if the TV is not connected to network.
- If you connect TV and the camera and do not use Wi-Fi Direct, you need to register your access point on the camera first (pages 195, 196).
- Displaying the images on the TV may take time.
- Movies cannot be shown on TV using Wi-Fi. Use an HDMI cable (sold separately).

Specify Printing

You can specify which still images you shot on the memory card that you want to print out later.

The **DPOF** (Print order) mark is displayed on registered images (DPOF: Digital Print Order Format).

1 MENU → [Playback] → [Specify Printing] → desired setting.

DPOF Setup	
<input checked="" type="checkbox"/>	Multiple Img. Selects images to order printing. ① Select an image and press the center of the control wheel. To cancel the selection, select the <input checked="" type="checkbox"/> -marked image again. You can select or deselect by touching the image (NEX-5R only). ② Repeat the operation on all images you want to print.
	Cancel All Clears all DPOF marks.
Date Imprint	
	On Sets whether or not to date the DPOF marked images when printing them.
<input checked="" type="checkbox"/>	Off



Notes

- You cannot add the DPOF mark to the following files:
 - Movies
 - RAW images
- You can add the DPOF mark to up to 999 images.
- DPOF registration is not cleared after printing. It is recommended that you clear the DPOF registration after you print the still images.

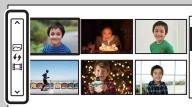
Image Index

Selects the number of images to be displayed on the index.

1 MENU → [Playback] → [Image Index] → desired mode.

✓	6 Images	Displays 6 images.	
	12 Images	Displays 12 images.	

Displaying a desired folder






To select a desired folder, select the bar to the left of the image index screen, and then press the top/bottom parts of the control wheel. You can switch between still image playback and movie playback by pressing the center of the control wheel.

NEX-5R:

You can also select a folder by touching the bar on the left. You can switch between still image playback and movie playback by touching the center of the bar.

Enlarge Image

You can check the focus by enlarging a portion of the playback image.

- 1 MENU → [Playback] → [ Enlarge Image].
- 2 Adjust the scaling by turning the control wheel.
Or, touch  or  on the screen (NEX-5R only).
- 3 Select the portion you want to see by pressing the top/bottom/right/left side of the control wheel.
Or, select the portion you want to enlarge by sliding your finger across the image (NEX-5R only).
When you touch the image, the image is enlarged, centering on the spot you touched (NEX-5R only).
- 4 To cancel the enlarged playback, select **X**.

Notes

- You cannot enlarge the movies.
- During playing back panoramic images, pause first, and then enlarge the image.

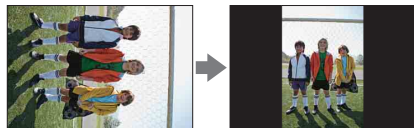
Scaling range

The scaling range depends on the image size.

Image size	Scaling range
L	Approx. $\times 1.0$ – $\times 13.6$
M	Approx. $\times 1.0$ – $\times 9.9$
S	Approx. $\times 1.0$ – $\times 6.8$


Rotate

Rotates a still image counter-clockwise. Use this to display a horizontal orientation image in vertical orientation. Once you rotate the image, the image is played back in the rotated position, even if you turn off the power.




1 MENU → [Playback] → [Rotate].

2 Press the center of the control wheel.

Or, touch  (Rotate) on the screen (NEX-5R only).

The image rotates counter-clockwise. The image rotates as you press the center.


Or, the image rotates as you touch  on the screen (NEX-5R only).

Notes

- You cannot rotate the following files:
 - Movies
 - Protected images
- You may not be able to rotate images shot with other cameras.
- When viewing images on a computer, the image rotation information may not be reflected depending on the software.

Protect

Protects recorded images against accidental erasure.

The  mark is displayed on protected images.

1 MENU → [Playback] → [Protect] → desired mode.

✓	Multiple Img.	Applies or cancels the protection of the selected images. Press the center of the control wheel to select OK. Or, touch the image and select OK (NEX-5R only).
	Cancel All Images	Cancels the protection of all still images.
	Cancel All Movies(MP4)	Cancels the protection of all movies (MP4).
	Cancel All AVCHD view files	Cancels the protection of all AVCHD movies.

Notes

- You can protect up to 100 images at a time.

Volume Settings

Adjusts the sound volume of movies in 8 steps.

1 MENU → [Playback] → [Volume Settings] → desired value.

Adjusting the volume during playback

The [Volume Settings] screen appears when you press the bottom of the control wheel while playing back movies.

You can adjust the volume, while listening to the actual sound.

AEL w/ shutter

Sets whether or not to fix the exposure when you press the shutter button halfway down.

✓	On	Fixes the exposure when you press the shutter button halfway down.
	Off	Does not fix the exposure when you press the shutter button halfway down. Use this mode when you want to adjust focus and exposure separately. The camera keeps adjusting the exposure while shooting in [Cont. Shooting] or [Spd Priority Cont.] mode.

Notes

- When [Autofocus Mode] is set to [Continuous AF], the [Off] settings for [AEL w/ shutter] is invalid, and the camera fixes the exposure for the first image when you press the shutter button halfway down. In [Cont. Shooting] or [Spd Priority Cont.] mode, the camera keeps adjusting the exposure for the remaining images.
- AEL button operation (NEX-6 only) is given priority over the [AEL w/ shutter] settings.
- When [AEL toggle] is assigned to soft key B using [Custom Key Settings], operation using soft key B will be given priority over the [AEL w/ shutter] settings (NEX-5R only).

AF Illuminator

The AF illuminator supplies fill light to focus more easily on a subject in dark surroundings.

The red AF illuminator allows the camera to focus easily when the shutter button is pressed halfway, until the focus is locked.

1 MENU → [Setup] → [AF Illuminator] → desired setting.

✓	Auto	Uses the AF illuminator.
	Off	Does not use the AF illuminator.

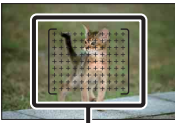
Notes

- You cannot use the AF illuminator in the following situations:
 - [Autofocus Mode] is set to [Continuous AF].
 - [Landscape], [Night Scene], [Sports Action] in [Scene Selection]
 - [Sweep Panorama]
 - Movie recording
 - Using an A-mount lens (sold separately).
- When the AF illuminator is used, the setting of [Autofocus Area] is invalid and the AF area is indicated with a dotted line. AF operates with priority on and around the center area.

Phase Detection AF Area

Sets whether or not to display the Phase Detection AF ranging points on the screen.

1 MENU → [Setup] → [Phase Detection AF Area] → desired mode.

	On	The Phase Detection AF ranging points are displayed.	 <p data-bbox="736 387 895 428">Phase Detection AF ranging points</p>
✓	Off	The Phase Detection AF ranging points are not displayed.	

Notes

- When the aperture value is greater than F6.3, Phase Detection AF is unavailable. You can only use Contrast AF.
- Phase Detection AF is available only with compatible lenses. If an incompatible lens is attached, you will be unable to use Phase Detection AF. Phase Detection AF may not operate even with some compatible lenses, such as lenses purchased in the past that have not been updated. For details on compatible lenses, visit the Sony web site in your area, or consult your Sony dealer or local authorized Sony service facility.
- When using an A-mount lens (sold separately) with the Mount Adaptor (sold separately), Phase Detection AF of the camera will not be activated.
- Phase Detection AF is unavailable for movie shooting. The Phase Detection AF ranging points are not displayed on the screen.

Red Eye Reduction

When using the flash, it is fired 2 or more times before shooting to reduce the red-eye phenomenon.

1 MENU → [Setup] → [Red Eye Reduction] → desired setting.

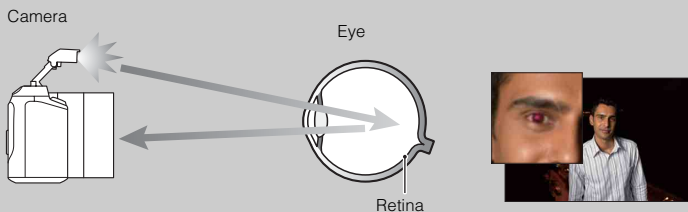
	On	The flash is always fired to reduce the red-eye phenomenon.
✓	Off	Does not use [Red Eye Reduction].

Notes

- You cannot use [Red Eye Reduction] in the following situations:
 - [Hand-held Twilight] or [Anti Motion Blur] in [Scene Selection]
 - [Rear Sync.], [Wireless] (NEX-6 only) or [Flash Off] in [Flash Mode]
 - [Smile Shutter]
 - [Sweep Panorama]
- [Red Eye Reduction] may not produce the desired effects. It depends on individual differences and conditions, such as distance to the subject, or if the subject does not look at the pre-strobe.

💡 What causes the red-eye phenomenon?

Pupils become dilated in dark environments. Flash light is reflected off the blood vessels at the back of the eye (retina), causing the “red-eye” phenomenon.



FINDER/LCD Setting

The sensors in the Electronic Viewfinder (sold separately for the NEX-5R) can detect whether it is being used and the camera switches the display.

1 MENU → [Setup] → [FINDER/LCD Setting] → desired setting.

✓	Auto	When you look into the Electronic Viewfinder, the display is switched to the Electronic Viewfinder automatically. You can switch the display manually using the button on the Electronic Viewfinder (NEX-5R only).
	Viewfinder (NEX-6 only)	The LCD screen is turned off and the image is always displayed in the Electronic Viewfinder.
	LCD Monitor (NEX-6 only)	The Electronic Viewfinder is turned off and the image is always displayed on the LCD screen.
	Manual (NEX-5R only)	In this mode, switch the display manually between the Electronic Viewfinder (sold separately) and the LCD screen using the button on the Electronic Viewfinder.

Live View Display

Sets whether or not to show images altered with effects of the exposure compensation, white balance, [Creative Style], or [Picture Effect] on the LCD screen.

1 MENU → [Setup] → [Live View Display] → desired setting.

✓	Setting Effect ON	Shows the images with effects applied.
	Setting Effect OFF	Does not show the images with effects applied. This setting will allow you to concentrate on the composition of the subject, as the subject appears on the screen as it is. The images are always displayed with the appropriate brightness in the [Manual Exposure] mode.

Notes

- You can select [Setting Effect OFF] in the following shooting modes only:
 - [Manual Exposure]
 - [Shutter Priority]
 - [Aperture Priority]
 - [Program Auto]
- When setting [Live View Display] to [Setting Effect ON], you may have difficulty checking the composition, as the Live View Display may seem too dark or too bright. If such a phenomenon occurs, set [Live View Display] to [Setting Effect OFF].

Auto Review

You can check the recorded image on the LCD screen right after the shooting. You can change the displayed time.

1 MENU → [Setup] → [Auto Review] → desired setting.

	10 Sec	Displays for the set time. Selecting \oplus (Enlarge Image) allows you to check the enlarged image.
	5 Sec	
✓	2 Sec	
	Off	Does not display.

Notes

- In auto review, the image will not be displayed in the vertical position even if [Playback Display] is set to [Auto Rotate].
- Even if [Grid Line] is set to a setting other than [Off] when recording [Sweep Panorama] images, the grid line does not appear in auto review.
- Before the image is displayed, an unprocessed image may be displayed temporarily, depending on the setting such as [DRO/Auto HDR], [Soft Skin Effect], [Lens Comp.: Distortion].

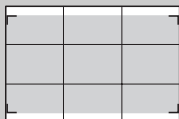
Grid Line

Sets whether the grid line is displayed or not. The grid line will help you to adjust the composition of images.

1 MENU → [Setup] → [Grid Line] → desired setting.

	Rule of 3rds Grid	Place main subjects close to one of the grid lines that divide the image into thirds for a well-balanced composition.
	Square Grid	Square grids make it easier to confirm the horizontal level of your composition. This is suitable to determine the quality of the composition when shooting landscape, close-up, or duplicated images.
	Diag. + Square Grid	Place a subject on the diagonal line to express uplifting and powerful feeling.
✓	Off	Does not display the grid line.

Checking the frame for movie recording



Frame for movie

The frame that appears when [Grid Line] is set to a setting other than [Off] will show the extent of the frame for movies. This enables you to adjust the composition before shooting movies.

Peaking Level

Enhances the outline of in-focus ranges with a specific color in manual focus. This function is useful for macro or portrait shooting that requires fine focus adjustments.

1 MENU → [Setup] → [Peaking Level] → desired setting.

	High	Sets the peaking level to high.
	Mid	Sets the peaking level to middle.
	Low	Sets the peaking level to low.
✓	Off	Does not use the peaking function.

Notes

- Since the camera judges that sharp areas are in focus, the peaking level differs depending on the subject, the shooting situation, or the lens used.
- The peaking function is not enabled when the camera is connected to other devices using an HDMI cable.

Peaking Color

Sets the color used for the peaking function in manual focus.

1 MENU → [Setup] → [Peaking Color] → desired setting.

✔	White	Enhances outlines in white.
	Red	Enhances outlines in red.
	Yellow	Enhances outlines in yellow.

Notes

- This function cannot be set when [Peaking Level] is set to [Off].

Clear Image Zoom

Sets whether or not to use [Clear Image Zoom] when the [Zoom] feature of the camera is used (page 87). Zooms an image with higher quality than [Digital Zoom].

1 MENU → [Setup] → [Clear Image Zoom] → desired setting.

✓	On	Uses the [Clear Image Zoom] feature.
	Off	Does not use the [Clear Image Zoom] feature.

Notes

- You cannot use [Clear Image Zoom] with the following functions:
 - [Sweep Panorama]
 - [Smile Shutter]
 - [RAW] or [RAW & JPEG] in [Quality]

Digital Zoom

Sets whether to use [Digital Zoom] or not when the [Zoom] feature of the camera is used (page 87).

Zooms an image with higher magnification than [Clear Image Zoom] but the image quality deteriorates compared to [Clear Image Zoom]. This feature can be also available in movie recording.

1 MENU → [Setup] → [Digital Zoom] → desired setting.

	On	Uses the [Digital Zoom] feature. If you want to use higher magnification regardless of the deterioration of the image, set it to [On].
✓	Off	Does not use the [Digital Zoom] feature.

Notes

- You cannot use [Digital Zoom] with the following functions:
 - [Sweep Panorama]
 - [Smile Shutter]
 - [RAW] or [RAW & JPEG] in [Quality]

Self-portrait Self-timer (NEX-5R only)

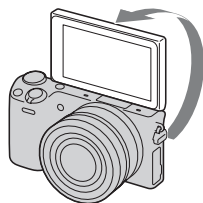
Sets whether to set the shooting mode to the 3-second delay self-timer when the LCD screen is tilted upward about 180 degrees.

1 MENU → [Setup] → [Self-portrait Self-timer] → [On].

✓	On	Automatically sets the shooting mode to the 3-second delay self-timer when the LCD screen is tilted upward about 180 degrees.
	Off	Selects the shooting mode based on the drive mode. Select this option when not using the self-timer, and set the drive mode to [Single Shooting].

2 Tilt the LCD screen upward about 180 degrees.

[Touch Shutter] is set to [On].



3 Touch the LCD screen.

The shutter is released after 3 seconds.

Notes

- The self-timer lamp does not flash.
- You cannot use [Self-portrait Self-timer] with the following functions:
 - During movie recording
 - [Hand-held Twilight], [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
 - [Smile Shutter]
 - [Auto HDR]
 - [Soft Focus], [HDR Painting], [Rich-tone Mono.], [Miniature] in [Picture Effect]
- You cannot use the [Self-portrait Self-timer] function when a flash HVL-F7S (supplied) or accessories are attached to the Smart Accessory Terminal 2.
- If the AF illuminator is too bright during shooting, change the setting of [AF Illuminator].

S. Auto Image Extract.

Sets whether or not to save all the images that were shot continuously in [Superior Auto] mode.

1 MENU → [Setup] → [S. Auto Image Extract.] → desired setting.

✓	Auto	Saves 1 appropriate image selected by the camera.
	Off	Saves all of the images.

Notes

- Even when you set [S. Auto Image Extract.] to [Off] with [Hand-held Twilight] selected from recognized scene mode, 1 combined image is saved.
- When the [Auto Port. Framing] function is activated, 2 images are saved even if you set [S. Auto Image Extract.] to [Auto].

MF Assist

Enlarges the image on the screen automatically to make manual-focusing easier. This works in the [Manual Focus] or [DMF] mode.

1 MENU → [Setup] → [MF Assist] → desired setting.

2 Turn the focusing ring to adjust the focus.

The image is enlarged by 4.8 times. You can enlarge the image also by 9.6 times.

- In [DMF] (Direct Manual Focus), adjust the focus using autofocus and then turn the focusing ring with the shutter button pressed halfway down.

✓	On	Enlarges the image. You can set the enlarging duration with [MF Assist Time]. To finish enlarging the image, select X .
	Off	Does not enlarge the image.

Notes

- You cannot use [MF Assist] during movie recording.
- When an A-mount lens (sold separately) is attached, pressing MF $\text{\textcircled{R}}$ (soft key) will enlarge the image.

MF Assist Time

Sets the length of time the image will be shown in an expanded form for the [MF Assist] function.

1 MENU → [Setup] → [MF Assist Time] → desired setting.

	No Limit	Enlarges the display until X is selected.
	5 Sec	Enlarges the image for 5 seconds.
✓	2 Sec	Enlarges the image for 2 seconds.

Notes

- This function cannot be set when [MF Assist] is set to [Off].
- This item is available only with an E-mount lens.

Color Space

The way colors are represented using combinations of numbers or the range of color reproduction is called “color space.” You can change the color space, depending on your purpose.

1 MENU → [Setup] → [Color Space] → desired setting.

✓	sRGB	This is the standard color space of the digital camera. Use [sRGB] in normal shooting, such as when you intend to print out the images without any modification.
	AdobeRGB	This has a wide range of color reproduction. When a large part of the subject is vivid green or red, [AdobeRGB] is effective. The file name of the image starts with “_DSC.”

Notes

- Adobe RGB is for applications or printers that support color management and DCF2.0 option color space. Images may not be printed or viewed in the correct colors if you use applications or printers that do not support Adobe RGB.
- When displaying images that were recorded with Adobe RGB on the camera or non-Adobe RGB-compliant devices, the images are displayed with low saturation.

SteadyShot

Sets whether or not you use the [SteadyShot] function of the lens.

1 MENU → [Setup] → [SteadyShot] → desired setting.

✔	On	Uses [SteadyShot].
	Off	Does not use [SteadyShot]. This setting is recommended when you use a tripod.

Notes

- [On] is selected when using the following functions:
 - [Hand-held Twilight], [Anti Motion Blur] in [Scene Selection]
- You cannot set [SteadyShot] when the name of the lens attached does not contain “OSS,” such as “E16 mm F2.8,” or when you are using an A-mount lens (sold separately).

Release w/o Lens

Sets whether or not the shutter can be released when no lens is attached.

1 MENU → [Setup] → [Release w/o Lens] → desired setting.

	Enable	Releases the shutter when no lens is attached. Select this option when you attach the camera on an astronomical telescope, etc.
✓	Disable	Releases the shutter only when a lens is attached.

Notes

- Correct metering cannot be achieved when you use lenses that do not provide a lens contact, such as the lens of an astronomical telescope. In such cases, adjust the exposure manually by checking it on the recorded image.

Eye-Start AF

Sets whether or not to use autofocus when you look through an Electronic Viewfinder (sold separately for the NEX-5R).

1 MENU → [Setup] → [Eye-Start AF] → desired setting.

	On	Auto focusing starts when you look through the Electronic Viewfinder.
✓	Off	Auto focusing does not start when you look through the Electronic Viewfinder.

Notes

- This item is available only when the LA-EA2 Mount Adaptor (sold separately) is attached.

Front Curtain Shutter

The electronic front curtain shutter function shortens the time lag between shutter releases.

1 MENU → [Setup] → [Front Curtain Shutter] → desired setting.

✓	On	Uses the electronic front curtain shutter function.
	Off	Does not use the electronic front curtain shutter function.

Notes

- When you shoot at high shutter speeds with a large diameter lens attached, the ghosting of a blurred area may occur, depending on the subject or shooting conditions. In such cases, set this function to [Off].
- When a lens made by another manufacturer (including a Minolta/Konica-Minolta lens) is used, set this item to [Off]. If you set this function to [On], the correct exposure will not be set or the image brightness will be uneven.

Long Exposure NR

When you set the shutter speed to one second or longer (long exposure shooting), noise reduction is turned on for the duration that the shutter is open. With the function turned on, the grainy noise typical of long exposures is reduced.

1 MENU → [Setup] → [Long Exposure NR] → desired setting.

✓	On	Activates noise reduction for the same duration that the shutter is open. When noise reduction is in progress, a message appears and you cannot take another picture. Select this to prioritize the image quality.
	Off	Does not activate noise reduction. Select this to prioritize the timing of shooting.

Notes

- [Long Exposure NR] is set to [Off] in the following modes:
 - [Cont. Shooting]
 - [Spd Priority Cont.]
 - [Bracket: Cont.]
 - [Sports Action], [Hand-held Twilight], [Anti Motion Blur] in [Scene Selection]
 - [Sweep Panorama]
- [Long Exposure NR] is set to [On] in the following modes:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection] (except [Sports Action], [Hand-held Twilight])

High ISO NR

When shooting with high ISO sensitivity, the camera reduces noise that becomes more noticeable when the camera sensitivity is high. When noise reduction is in effect, a message may appear and you cannot take another picture.

1 MENU → [Setup] → [High ISO NR] → desired setting.

✓	Normal	Activates high ISO noise reduction normally.
	Low	Activates high ISO noise reduction moderately. Select this to prioritize the timing of shooting.

Notes

- Noise reduction is not available in the following modes:
 - [Intelligent Auto]
 - [Superior Auto]
 - [Scene Selection]
 - [Sweep Panorama]
 - [RAW] or [RAW & JPEG] in [Quality]

Lens Comp.: Shading

Compensates for the shaded corners of the screen, caused by certain lens characteristics.

1 MENU → [Setup] → [Lens Comp.: Shading] → desired setting.

✓	Auto	Compensates for darker corners of the screen automatically.
	Off	Does not compensate for darker corners of the screen.

Notes

- This item is available only with an E-mount lens.
- The amount of light around the edges may not be corrected, depending on the lens type.

Lens Comp.: Chro. Aber.

Reduces the color deviation at the corners of the screen, caused by certain lens characteristics.

1 MENU → [Setup] → [Lens Comp.: Chro. Aber.] → desired setting.

✓	Auto	Reduces the color deviation automatically.
	Off	Does not compensate for the color deviation.

Notes

- This item is available only with an E-mount lens.

Lens Comp.: Distortion

Compensates for the distortion of the screen, caused by certain lens characteristics.

1 MENU → [Setup] → [Lens Comp.: Distortion] → desired setting.

	Auto	Compensates for distortion of the screen automatically.
✓	Off	Does not compensate for distortion of the screen.

Notes

- This item is available only with an E-mount lens.
- Depending on the lens attached, [Lens Comp.: Distortion] is fixed to [Auto], and you cannot select [Off].

Face Priority Tracking

Sets whether to preferentially-track a certain face or not when the camera detects that face during object tracking.

1 MENU → [Setup] → [Face Priority Tracking] → desired setting.

✓	On	Preferentially-tracks the face. When the face is not visible on the LCD screen, the camera tracks the body, but when the face is visible, the camera tracks the face. If the targeted person disappears from the screen while the camera is tracking him/her, and then returns to the screen, the camera tracks on that face again.
	Off	Does not preferentially-track the face. If you set the detected face as a target, even when [Face Priority Tracking] is set to [Off], the camera tracks the body when the face is not visible. If the targeted person disappears from the screen while the camera is tracking him/her, and then returns to the screen, the camera tracks on that face again.

Notes

- When [Face Detection] is set to [Off], [Face Priority Tracking] is set to [Off] and cannot be reset.

Auto Slow Shutter

Set whether or not to adjust the shutter speed automatically when recording movies if the subject is dark.

1 MENU → [Setup] → [Auto Slow Shutter] → desired setting.

✓	On	Uses [Auto Slow Shutter]. The shutter speed automatically slows. You can reduce noise in the movie by using a slow shutter speed when recording in dark locations.
	Off	Does not use [Auto Slow Shutter]. The recorded movie will be darker than when [On], but you can record movies with smoother motion and less object blur.

Notes

- [Auto Slow Shutter] is available if both of the following conditions are met.
 - [Intelligent Auto], [Superior Auto], [Program Auto] or [Aperture Priority] in [Shoot Mode]
 - [ISO AUTO] in [ISO]

Movie Audio Rec

Sets whether or not you record the sound during movie recording.

1 MENU → [Setup] → [Movie Audio Rec] → desired setting.

✔	On	Records sound (stereo).
	Off	Does not record sound.

Notes

- The sound of the lens and the camera in operation will also be recorded, when [On] is selected.

Wind Noise Reduct.

Sets whether or not to reduce wind noise during movie recording.

1 MENU → [Setup] → [Wind Noise Reduct.] → desired setting.

	On	Reduces wind noise.
✓	Off	Does not reduce wind noise.

Notes

- Setting this item to [On] where wind is not blowing sufficiently hard may cause normal sound to be recorded with too low volume.
- When using a microphone (sold separately), the wind noise reduction will not be carried out even if [Wind Noise Reduct.] is set to [On].

AF Micro Adj.

Allows you to adjust and register an autofocused position for each lens, when using an A-mount lens with the LA-EA2 Mount Adaptor (sold separately).

- 1 MENU → [Setup] → [AF Micro Adj.].
- 2 [AF Adjustment Setting] → [On].
- 3 [amount] → desired value → OK.

AF Adjustment Setting	Sets whether or not to use the [AF Micro Adj.] function. Select [On] to use the [AF Micro Adj.].
amount	Allows you to select an optimum value between -20 and +20. Selecting a larger value shifts the autofocused position away from the camera. Selecting a smaller value shifts the autofocused position closer to the camera.
Clear	Clears the value you set.

Notes

- It is recommended that you adjust the position under actual shooting conditions.
- When you attach a lens for which you have already registered a value, the registered value appears on the screen. [±0] appears for lens for which a value has not yet been registered.
- If [-] is displayed as the value, then a total of 30 lenses have been registered and no new lens can be registered. To register a new lens, attach a lens for which the registration can be erased, and set its value to [±0], or reset the values of all the lenses using [Clear].
- Use [AF Micro Adj.] with Sony, Minolta, and Konica-Minolta lenses only. If you use [AF Micro Adj.] with other brands of lenses, the registered value may be affected. Do not perform [AF Micro Adj.] with an unsupported lens.
- You cannot set [AF Micro Adj.] individually for a Sony, Minolta, and Konica-Minolta lens of the same specification.

Menu start

Allows you to select whether to always display the first screen of the menu or to display the screen of the item you set the last time.

1 MENU → [Setup] → [Menu start] → desired setting.

	Top	Always displays the first screen of the menu.
✓	Previous	Displays the last item set. This will make it easier to quickly reset the last item you set previously.

Function Menu Settings

Assigns functions to the Fn (Function) button.

1 MENU → [Setup] → [Function Menu Settings] → Assigns the desired function to [Custom 1] to [Custom 6].

Default settings		Functions that can be assigned to the Fn button
Custom 1	✓	AF/MF Select
Custom 2	✓	Autofocus Mode
Custom 3	✓	Autofocus Area
		Face Detection
		Smile Shutter
		Auto Port. Framing
		Soft Skin Effect
		Quality
		ISO
Custom 4	✓	White Balance
Custom 5	✓	Metering Mode
		DRO/Auto HDR
Custom 6	✓	Picture Effect
		Creative Style
		Flash Mode
		Not set

MOVIE Button

Sets whether or not to activate the MOVIE button.

1 MENU → [Setup] → [MOVIE Button] → desired setting.

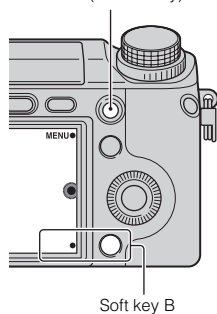
✔	On	Activates the MOVIE button.
	Off	Deactivates the MOVIE button.

Custom Key Settings

Assigning functions to the various keys allows you to speed up operations by pressing the appropriate key on the shooting information screen.

- 1 MENU → [Setup] → [Custom Key Settings]
 - Assigns functions to the soft keys using [Func. of AEL button] (NEX-6 only) or [Soft key B Setting].

AEL button (NEX-6 only)



Func. of AEL button (NEX-6 only)		
✓	AEL hold	White Balance
	AEL toggle (page 165)	Metering Mode
	Shoot. Tips	DRO/Auto HDR
	AF/MF Select	Picture Effect
	Autofocus Mode	Creative Style
	Autofocus Area	Flash Mode
	Object Tracking	Flash Comp.
	Zoom	MF Assist
	Face Detection	View on Smartphone
	Smile Shutter	Download Appli.
	Auto Port. Framing	Application List
	Soft Skin Effect	Not set
	Quality	
Soft key B Setting		
	Shoot. Tips	Picture Effect
	Autofocus Mode	Creative Style
	Zoom	Flash Mode
	Face Detection	Flash Comp.
	Smile Shutter	MF Assist

	Auto Port. Framing		AEL toggle (page 165) (NEX-5R only)
	Soft Skin Effect	✓	View on Smartphone
	Quality		Download Appli.
	White Balance		Application List
	Metering Mode		Not set
	DRO/Auto HDR		

Notes

- [Custom Key Settings] is available with the following shooting modes. A function that has been assigned to the soft key is called only in the following shooting mode.
 - [Manual Exposure]
 - [Shutter Priority]
 - [Aperture Priority]
 - [Program Auto]
- The setting of [Soft key B Setting] cannot be used in the following situations:
 - [Object Tracking] function is activated.
 - [Autofocus Area] is set to [Flexible Spot]
- The application downloading function may not be available in some countries/regions. In such cases, you cannot use the application downloading function even if you set [Download Appli.] and [Application List].
- [Download Appli.] and [Application List] may not be displayed in some countries/regions in which the application downloading function is not available.

AEL toggle

When it is hard to obtain an appropriate exposure for the subject, this function allows you to lock the exposure by focusing on and measuring the light of an area that has the desired brightness.

NEX-6:

- 1 MENU → [Setup] → [Custom Key Settings] → [Func. of AEL button].
- 2 Select [AEL toggle].
- 3 Aim the camera at an area to which you want to match the exposure.
The exposure is set.
- 4 Press the AEL button.
The exposure is locked, and ✱ (AE lock) lights up.
- 5 Focus on your subject and press the shutter button.
- 6 To cancel the exposure lock, press the AEL button again.

NEX-5R:

- 1 MENU → [Setup] → [Custom Key Settings] → [Soft key B Setting].
- 2 Select [AEL toggle].
The soft key B becomes the AEL button.
- 3 Aim the camera at an area to which you want to match the exposure.
The exposure is set.
- 4 Press the AEL button.
The exposure is locked, and ✱ (AE lock) lights up.
- 5 Focus on your subject and press the shutter button.
- 6 To cancel the exposure lock, press the AEL button again.

Touch Operation (NEX-5R only)

Sets whether or not to operate the camera using the touch panel.

1 MENU → [Setup] → [Touch Operation] → desired setting.

✔	On	Allows operation using the touch panel.
	Off	Does not allow operation using the touch panel.

Notes

- Even if [On] is selected, you cannot operate the camera via the touch panel in the following situations:
 - The camera is outputting images to a connected TV.
 - The camera is connected to a device via USB.
 - An Electronic Viewfinder (sold separately) is used.

Beep

Selects the sound produced when you operate the camera.

1 MENU → [Setup] → [Beep] → desired setting.

✓	On	Audible signals will be emitted when you operate the control wheel, soft keys and control dial. The audible signals also turn on when you touch the screen (NEX-5R only).
	Off	Turns off the audible signal.

Language

Selects the language to be used in the menu items, warnings and messages.


1 MENU → [Setup] →  Language → desired language.

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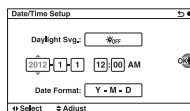
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Date/Time Setup

Sets the date and time again.

- 1 MENU → [Setup] → [Date/Time Setup].
- 2 Press the right or left of the control wheel to select an item, and press the top or bottom of it to select the desired setting.
- 3 Select OK.



Daylight Svc.:	Selects [ON] or [OFF].
Date Format:	Selects the date and time display format.

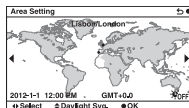
Notes

- The camera does not have a feature for superimposing dates on images. By using “PlayMemories Home” on the CD-ROM (supplied), you can print or save images with the date.
- You cannot set the date and time by touching the screen (NEX-5R only).

Area Setting

Sets the area where you are using the camera. This allows you to set the local area when you use the camera abroad.

- 1 MENU → [Setup] → [Area Setting] → desired setting.
- 2 Press the right or left of the control wheel to select an area.



Notes

- You cannot select an area by touching the screen (NEX-5R only).

Help Guide Display

You can set whether to display the help guide when you operate the camera.

1 MENU → [Setup] → [Help Guide Display] → desired setting.

✔	On	Displays the help guide.
	Off	Does not display the help guide.

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Power Save

You can shorten the waiting time until the camera is turned off when it is not being operated to prevent the battery from being consumed.

1 MENU → [Setup] → [Power Save] → desired setting.

	Max	[Power Saving Start Time] is automatically set to [10 Sec]. If you do not operate the camera for a given period of time, the brightness of the LCD screen is reduced.
✓	Standard	Follows the setting of [Power Saving Start Time].

Notes

- When the AC-PW20 AC Adaptor (sold separately) is used, this function cannot be set to [Max].

Power Saving Start Time

You can set time intervals to switch to power save mode. To return to shooting mode, perform an operation such as pressing the shutter button halfway down.

1 MENU → [Setup] → [Power Saving Start Time] → desired setting.

	30 Min	Switches to power save mode after the set time.
	5 Min	
✓	1 Min	
	20 Sec	
	10 Sec	

Notes

- Turn off the camera when you do not use it for a long time.
- When using a lens with power zoom, the lens is retracted after 1 minute from the moment the camera enters power-save mode if [Power Saving Start Time] is set to [20 Sec] or [10 Sec].

LCD Brightness

You can adjust the brightness of the LCD screen.

1 MENU → [Setup] → [LCD Brightness] → desired setting.

✔	Manual	Allows you to adjust the brightness within the range of -2 to +2.
	Sunny Weather	Sets the brightness appropriately for shooting outdoors.

Viewfinder Bright.

When you use Electronic Viewfinder (sold separately for the NEX-5R), the brightness of Electronic Viewfinder is automatically adjusted to the ambient lighting conditions.

- 1 MENU → [Setup] → [Viewfinder Bright.]
- 2 Look through the viewfinder and select the desired setting.

✓	Auto	Adjusts the brightness automatically.
	Manual	Allows you to adjust the brightness within the range of -1 to +1.

Display Color

Selects the color of the LCD screen.

1 MENU → [Setup] → [Display Color] → desired setting.

	Black	Turns to the selected color.
✓	White	
	Blue	
	Pink	

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Wide Image

Selects the method used for displaying the wide images.

1 MENU → [Setup] → [Wide Image] → desired setting.

	Full Screen	Displays the wide images on the entire screen.	
✓	Normal	Displays the wide images and the operation information on the screen.	

Playback Display

Selects the orientation when playing back still images recorded in the portrait position.

1 MENU → [Setup] → [Playback Display] → desired setting.

✔	Auto Rotate	Displays in the portrait position.
	Manual Rotate	Displays in the landscape position.

HDMI Resolution

When you connect the camera to a High Definition (HD) TV with HDMI terminals using an HDMI cable (sold separately), you can select HDMI Resolution to output images to the TV.

1 MENU → [Setup] → [HDMI Resolution] → desired setting.

✓	Auto	The camera automatically recognizes an HD TV and sets the output resolution.
	1080p	Outputs signals in HD picture quality (1080p).
	1080i	Outputs signals in HD picture quality (1080i).

Notes

- If you cannot display the screen properly with the [Auto] setting, select either [1080i] or [1080p] depending on the TV to be connected.

CTRL FOR HDMI

When connecting the camera to a “BRAVIA” Sync compatible TV with an HDMI cable (sold separately), you can play back images on your camera by the TV’s remote control aiming at the TV. See page 205 on “BRAVIA” Sync.

1 MENU → [Setup] → [CTRL FOR HDMI] → desired setting.

<input checked="" type="checkbox"/>	On	You can operate the camera with the TV remote control.
<input type="checkbox"/>	Off	You do not operate the camera with the TV remote control.

Notes

- You can perform the operation of the camera with the remote control of your TV by connecting your camera to a “BRAVIA” Sync compatible TV.

USB Connection

Selects the appropriate USB connection method for each computer or USB device connected to the camera.

1 MENU → [Setup] → [USB Connection] → desired setting.

✓	Auto	Establishes a Mass Storage or MTP connection automatically, in accordance with a computer or other USB devices to be connected. Windows 7 computers are connected in MTP, and its unique functions are enabled to use.
	Mass Storage	Establishes a Mass Storage connection between the camera, a computer, and other USB devices.
	MTP	Establishes an MTP connection between the camera and a computer or other USB device. Computers running Windows 7 are connected in MTP, and the unique functions of MTP are enabled. With computers running a different OS (Windows Vista/XP, Mac OS X), the AutoPlay Wizard appears, and the still images in the recording folder on the camera are imported to the computer.

Notes

- The connection may take a long time when [Auto] is selected.
- If the camera is not recognized by the computer, set [USB Connection] to [Mass Storage].

Cleaning Mode

Allows you to clean the image sensor.

- 1 MENU → [Setup] → [Cleaning Mode] → OK.

The message “After cleaning, turn camera off. Continue?” appears.

- 2 Select OK.

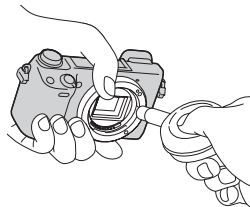
The anti-dust is activated automatically.

- 3 Turn the camera off.


- 4 Detach the lens.

- 5 Use the blower to clean the image sensor surface and the surrounding area.

- 6 Attach the lens.



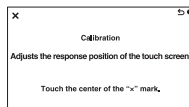
Notes

- A blower is not supplied with the camera. Use a commercially available blower.
- Cleaning can be performed only when the battery level is  (3 remaining battery icons) or more. The use of an AC-PW20 AC Adaptor (sold separately) is recommended.
- Do not use a spray type blower as it may scatter water droplets inside the camera body.
- Do not put the tip of a blower into the cavity beyond the lens mount area, so that the tip of the blower does not touch the image sensor.
- Hold the camera's face downward to prevent the dust from entering in the camera.
- Do not apply a mechanical shock to the camera during cleaning.
- When cleaning the image sensor with a blower, do not blow too hard.

Calibration (NEX-5R only)

Enables you to perform calibration when the touch panel buttons do not react at the appropriate points where you touch.

- 1 MENU → [Setup] → [Calibration].
- 2 Touch the center of the × mark displayed on the screen in order.



Notes


- If you touch [Cancel] to stop calibration mid-way, any adjustments made up to that point are not applied.
- If you fail to touch the right spot, the calibration is not performed. Touch the center of the × mark again.

Version

Displays the version of your camera and lens. Confirm the version when a firmware update is released.

1 MENU → [Setup] → [Version].

Notes

- An update can be performed only when the battery level is  (3 remaining battery icons) or more. We recommend that you use a sufficiently charged battery pack or the AC-PW20 AC Adaptor (sold separately).

Demo Mode

The [Demo Mode] function displays the movies recorded on the memory card automatically (demonstration), when the camera has not been operated for a certain time. Normally select [Off].

1 MENU → [Setup] → [Demo Mode] → desired setting.

	On	The demonstration begins automatically when the camera is not operated for about 1 minute. Only protected AVCHD movies are available. Select the oldest movie file in [AVCHD View] and protect it.
✓	Off	Does not show the demonstration.

Notes

- You can set this item only when the camera is powered by the AC-PW20 AC Adaptor (sold separately).
- Even if [On] is selected, the camera does not start a demonstration when there is no movie recorded on the memory card.
- When [On] is selected, the camera does not switch to power save mode.

Initialize

Initializes the setting to the default setting.

Even if you activate [Initialize], the images are retained.

1 MENU → [Setup] → [Initialize] → the desired setting.

✓	Reset Default	Initializes the main setting to the default settings. <ul style="list-style-type: none">• The following settings are not reset:<ul style="list-style-type: none">– [Language]– [Date/Time Setup]– Faces registered with [Face Registration]– Settings registered with [AF Micro Adj.]– Downloaded application– Service account information of “PlayMemories Camera Apps” registered in the camera– Access point information registered in the camera– Smartphone information registered in the camera– File number
	Factory Reset	Initializes the settings to the default settings. <ul style="list-style-type: none">• [Language] and [Area Setting] are not reset.• Even settings that are not reset using [Reset Default] may be reset, including Wi-Fi settings, downloaded applications and file numbers, etc.

Notes

- Be sure not to turn off the camera while resetting.
- In some cases, nothing may appear on the screen for about 10 seconds after you execute [Initialize].

Format

Formats the memory card. When you use a memory card with this camera for the first time, it is recommended that you format the card using the camera for stable performance of the memory card before shooting. Note that formatting permanently erases all data on the memory card, and is unrecoverable. Save precious data on a computer, etc.

1 MENU → [Setup] → [Format] → OK.

Notes

- Formatting permanently erases all data including even protected images.
- During the format, the access lamp lights up. Do not eject the memory card while the lamp is lit.
- Format the memory card using the camera. If you format the memory card on a computer, it may not be usable with the camera, depending on the format type used.
- You cannot format a memory card when the remaining battery is less than 1 %.

File Number

Selects the method to use to assign file numbers to still images and MP4 movies.

1 MENU → [Setup] → [File Number] → desired setting.

✓	Series	The camera does not reset numbers, and assigns numbers to files in sequence until the number reaches “9999.”
	Reset	The camera resets numbers when a file is recorded in a new folder and assigns numbers to files from “0001.” When the recording folder contains a file, a number one higher than the largest number is assigned.

Folder Name

Still images you shoot are recorded in a folder that is automatically created under the DCIM folder on the memory card. You can change the folder name form.

1 MENU → [Setup] → [Folder Name] → desired setting.

✓	Standard Form	The folder name form is as follows: folder number + MSDCF. Example: 100MSDCF
	Date Form	The folder name form is as follows: folder number + Y (the last digit)/MM/DD. Example: 10020405 (Folder number: 100, date: 04/05/2012)

Notes

- The movie folder form is fixed as “folder number + ANV01”. You cannot change this name.

Select Shoot. Folder

When a [Standard Form] folder is selected under [Folder Name] and there are 2 or more folders, you can select the recording folder to which still images and MP4 movies are recorded.

1 MENU → [Setup] → [Select Shoot. Folder] → desired folder.

Notes

- You cannot select the folder when you select the [Date Form] setting.
- Movie (MP4) files are recorded in a folder for movies that has the same number as the selected folder for still images.

New Folder

Creates a new folder in the memory card to which still images and MP4 movies are recorded.

Images are recorded in the newly created folder until you create another folder or select another recording folder.

1 MENU → [Setup] → [New Folder].

A new folder is created with a folder number one greater than the largest folder number currently used.

Notes

- A folder for still images and a folder for MP4 movies that have the same number are created at the same time.
- When you insert a memory card that was used with other equipment into the camera and shoot images, a new folder may be automatically created.
- Up to 4,000 images in total can be stored in the folders for still images or movies, respectively, with the same number. When the folder capacity is exceeded, a new folder is created automatically.

Recover Image DB

When inconsistencies are caused in the image database file by processing files on computers, etc., images on the memory card will not be played back on this camera. If these inconsistencies happen, the camera repairs the file.

1 MENU → [Setup] → [Recover Image DB] → OK.

The [Recover Image DB] screen is displayed, and the camera repairs the file.

Wait until repairs are complete.

Notes

- Use a sufficiently charged battery. Low battery power during repairing can cause damage to data.

Display Card Space

Displays the remaining recording time of movies on the memory card. Number of recordable still images is also displayed.

1 MENU → [Setup] → [Display Card Space].

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Upload Settings

Sets whether or not you use the upload function when using an Eye-Fi card (commercially available). This item appears when an Eye-Fi card is inserted in the camera.

1 MENU → [Setup] → [Upload Settings] → desired setting.

<input checked="" type="checkbox"/>	On	Enables the upload function. The icon on the screen changes according to the communication status of the camera.  Standby. No images are to be sent.  Connecting.  Upload standby.  Uploading.  Error
	Off	Disables the upload function.

Notes

- [Power Save] does not work while the camera is uploading images.
- Eye-Fi cards are sold in the U.S.A., Canada, Japan, and some countries in the EU (as of June in 2012).
- For more information, please contact the manufacturer or vendor directly.
- Eye-Fi cards can be used only in the countries/regions where they were purchased. Use Eye-Fi cards in accordance with the law of the countries/regions where you purchased the card.
- Do not use an Eye-Fi card inserted in the camera on an airplane. If an Eye-Fi card is inserted in the camera, set [Upload Settings] to [Off].  is displayed on the screen when [Upload Settings] is set to [Off].
- You cannot use the Wi-Fi network function when using a memory card with Eye-Fi wireless function, etc.

Transferring images using an Eye-Fi card



1 Set your Wi-Fi network or destination on the Eye-Fi card.

For details, refer to the manual supplied with the Eye-Fi card.

2 Insert the Eye-Fi card you have set up into the camera, and shoot still images.

Images are transferred to your computer, etc., automatically via the Wi-Fi network.

Notes

- When you use a brand-new Eye-Fi card for the first time, copy the install file of Eye-Fi manager recorded on the card to your computer before formatting the card.
- Use an Eye-Fi card after updating the firmware to the latest version. For details, refer to the operating instructions that comes with the Eye-Fi card.
- The power save function of the camera does not work while it is transferring images.
- If  (error) is displayed, remove the memory card and reinsert it, or turn the camera off and then on again. If  appears again, the Eye-Fi card may be damaged.
- Wi-Fi network communication may be influenced by other communication devices. If the communication status is poor, move closer to the access point of the Wi-Fi network.
- For details on the file types that can be uploaded, refer to the operating instructions supplied with the Eye-Fi card.
- This product does not support the Eye-Fi “Endless Memory Mode.” Be sure that “Endless Memory Mode” of an Eye-Fi card is turned off before inserting it into the camera.

WPS Push

If your access point has the WPS button, you can register the access point to the camera easily by pushing the WPS button.

- 1 MENU → [Setup] → [WPS Push].
- 2 Press the WPS button on the access point you want to register.

Notes

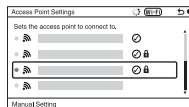
- Depending on the access point, [WPS Push] may not be available. In such cases, follow the steps for [Access Point Settings] and register your access point (page 196).
- When aboard an airplane, turn off the camera.

Access Point Settings

You can register your access point manually.

Before starting the procedure, check the SSID name of the access point, security system, and password. The password may be preset in some devices. For details, see the access point operating instructions.

- 1 MENU → [Setup] → [Access Point Settings].
- 2 Select the access point you want to register.



When the desired access point is displayed on the screen:

Select the desired access point.


When the desired access point is not displayed on the screen:

Select [Manual Setting] and set the access point.

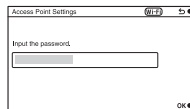
* For the input method, refer to “How to use the keyboard.”

If you select [Manual Registration], input the SSID name of the access point → select the security system.

- 3 Input the password.

Access points that do not display  do not require a password to be entered.

- 4 Select [Memory], then register the settings.



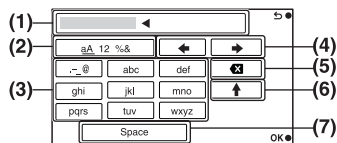
Notes

- When aboard an airplane, turn off the camera.

How to use the keyboard

When manual character entry is required, a keyboard is displayed on the screen. Select the desired button using the top/bottom/right/left areas of the control wheel and enter by pressing the center.

You can operate the keyboard by touching the screen (NEX-5R only).



	Screen names	Functions
(1)	Input box	The characters you entered are displayed. If you input characters exceeding the set number of characters, ◀ is displayed on the screen.
(2)	Switch character types	Each time you press the center of the control wheel, character types are switched among alphabet letters, numerals and symbols. You can switch the character types by touching the screen (NEX-5R only).
(3)	Keyboard	Each time you press the center of the control wheel, the character that you enter will be displayed. For example: If you want to enter "abd" Select the key for "abc" and press the center of the control wheel once to display "a" → select "→" to move the cursor (4) and press the center of the control wheel → select the key for "abc" and press the center of the control wheel twice to display "b" → select the key for "def" and press the center of the control wheel once to display "d" You can enter a character by touching the screen (NEX-5R only).
(4)	Move cursor	Moves the cursor in the input box to the right or left.
(5)	Delete	Deletes the character preceding the cursor.
(6)	↑	Switches the next character to a capital or small letter.
(7)	Space	Enters a space.

Other setting items

Depending on the status or the setting method of your access point, you may want to set more items.

Screen names	Functions
Priority Connection	Selects [On] or [Off] for [Priority Connection].
WPS PIN	Displays the IP address you enter into the connected device.
IP Address Setting	Selects [Auto] or [Manual Setting].
IP Address	If you are entering the IP address manually, enter the set address.
Subnet Mask/ Default Gateway	When you set [IP Address Setting] to [Manual Setting], enter the IP address to match your network environment.

Notes

- To give the registered access point priority, set [Priority Connection] to [On].

Edit Device Name

You can change the device name under Wi-Fi Direct.

- 1 MENU → [Setup] → [Edit Device Name].
- 2 Select the input box, then input the device name → OK.
For input method, refer to “How to use the keyboard” (page 197).

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Disp MAC Address

Displays the MAC address of the camera.

1 MENU → [Setup] → [Disp MAC Address].

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Reset View on Smartphone

The camera shares the connection information for [View on Smartphone] with a device that has permission to connect. If you want to change the device that is permitted to connect to the camera, reset the connection information by following these steps.

1 MENU → [Setup] → [Reset View on Smartphone] → OK.

Notes

- After resetting the connection information, you must register the Smartphone again.

Reset Network Settings

Resets all the network settings to default settings.

1 MENU → [Setup] → [Reset Network Settings].

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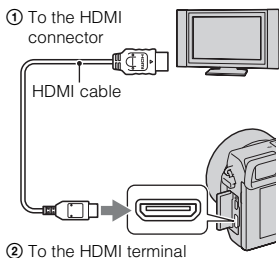
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Viewing images on a TV

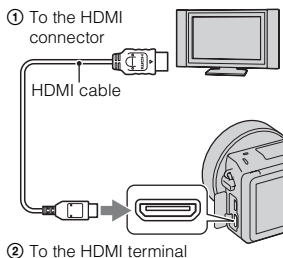
To view images on the camera using a TV, an HDMI cable (sold separately) and an HD TV equipped with an HDMI connector are required. Refer also to the operating instructions supplied with the TV.


- 1 Turn off both your camera and the TV.
- 2 Connect the camera to the TV with an HDMI cable (sold separately).

NEX-6:



NEX-5R:



- 3 Turn on the TV and switch the input.
- 4 Turn on the camera, and then press the  (Playback) button to select playback mode.

Images shot with the camera appear on the TV screen. Select the desired image with the control wheel.

Notes

- Some devices may not work properly.
- Sounds are output only while recording or playing back movies, when the camera is connected with an HDMI cable.
- Use an HDMI cable with the HDMI logo.
- Use an HDMI mini connector on one end (for the camera), and a plug suitable for connecting your TV on the other end.
- Do not connect the camera and equipment to be connected using output terminals. This may cause a malfunction.
- The peaking function is not enabled when the camera is connected using an HDMI cable.

On “PhotoTV HD”

This camera is compatible with the “PhotoTV HD” standard.

If you connect Sony PhotoTV HD-compatible devices using an HDMI cable (sold separately), the TV is set to the image quality suitable for viewing still images, and a whole new world of photos can be enjoyed in breathtaking Full HD quality.

“PhotoTV HD” allows for a highly-detailed, photo-like expression of subtle textures and colors. For details, refer to the operating instructions supplied with the TV.

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Using “BRAVIA” Sync

By connecting the camera to a TV that supports “BRAVIA” Sync using an HDMI cable (sold separately), you can operate the camera with the TV Remote Control.

1 Connect a TV that supports “BRAVIA” Sync to the camera.

The input is automatically switched and the image shot with the camera appears on the TV screen.

2 Press the SYNC MENU button on the TV Remote Control.

3 Operate with the buttons on the TV Remote Control.

Item	Operation
Slide Show	Plays back images automatically.
Play 1 Image	Returns to the single-image screen.
Image Index	Switches to the image index screen.
Still/Movie Select	Allows you to determine how to group the playback images.
Delete	Deletes the image.

Notes

- The operations available are restricted when the camera is connected to a TV using an HDMI cable.
- Only TVs that support “BRAVIA” Sync can provide SYNC MENU operations. The SYNC MENU operations differ depending on the TV connected. For details, refer to the operating instructions supplied with the TV.
- If the camera performs unwanted operations in response to the TV Remote Control when the camera is connected to another manufacturer’s TV using an HDMI connection, operate MENU → [Setup] → [CTRL FOR HDMI] → [Off].

Using with your computer

Following applications are contained on the CD-ROM (supplied) to allow more versatile use of images shot with your camera.

- “Image Data Converter”
You can open RAW format image files.
- “PlayMemories Home”
You can import still images or movies recorded with the camera to your computer so that you can view them, and use various convenient features to enhance the images you have shot.

For detailed notes on installation, also see page 208.

Notes

- Use “Image Data Converter” to play back RAW images.
- “PlayMemories Home” is not compatible with Mac computers. When you play back images on Mac computers, use the appropriate application software supplied with the Mac computer.

Recommended computer environment (Windows)

The following computer environment is recommended when using the supplied software and importing images via a USB connection.

OS (pre-installed)	Microsoft Windows XP* SP3/Windows Vista** SP2/Windows 7 SP1
“PlayMemories Home”	CPU: Intel Pentium III 800 MHz or faster For playing/editing the High Definition movies: Intel Core Duo 1.66 GHz or faster/Intel Core 2 Duo 1.66 GHz or faster (Intel Core 2 Duo 2.26 GHz or faster (AVC HD (FX/FH), Intel Core 2 Duo 2.40 GHz or faster (AVC HD (PS))) Memory: Windows XP 512 MB or more (1 GB or more is recommended), Windows Vista/Windows 7 1 GB or more Hard Disk: Disk space required for installation—approximately 500 MB Display: Screen resolution—1024 × 768 dots or more
“Image Data Converter Ver.4”	CPU/Memory: Pentium 4 or faster/1 GB or more Display: 1024 × 768 dots or more

* 64-bit editions and Starter (Edition) are not supported. Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required to use the function for creating discs.

** Starter (Edition) is not supported.

Recommended computer environment (Mac)

The following computer environment is recommended when using the supplied software and importing images via a USB connection.

OS (pre-installed)	USB Connection: Mac OS X v10.3 – v10.8 “Image Data Converter Ver.4”: Mac OS X v10.5 – v10.8
“Image Data Converter Ver.4”	CPU: Intel processor, such as Intel Core Solo/Core Duo/Core 2 Duo Memory: 1 GB or more is recommended. Display: 1024 × 768 dots or more

Notes

- Operation is not assured in an environment based on an upgrade of the operating systems described above or in a multi-boot environment.
- If you connect 2 or more USB devices to one computer at the same time, this camera may not operate, depending on the types of USB devices you are using.
- Connecting the camera using a USB interface that is compatible with Hi-Speed USB (USB 2.0) allows advanced transfer (high speed transfer), as the camera is compatible with Hi-Speed USB (USB 2.0).
- When your computer resumes activity from suspend or sleep mode, communication between the camera and your computer may not recover at the same time.


Using the software

Installing the software (Windows)

Log on as Administrator.

- 1 Turn on your computer, and insert the CD-ROM (supplied) into the CD-ROM drive.

The installation menu screen appears.

- If the installation menu screen does not appear, double-click [Computer] (For Windows XP: [My Computer]) →  (PMHOME) → [Install.exe].
- If the AutoPlay screen appears, select “Run Install.exe” and follow the instructions that appear on the screen to proceed with the installation.

- 2 Connect the camera to the computer (page 211).

- 3 Click [Install].

Make sure that both “Image Data Converter” and “PlayMemories Home” are checked and follow the instructions on the screen.

- When the restarting confirmation message appears, restart the computer following the instructions on the screen.
- DirectX may be installed depending on the system environment of your computer.

- 4 Remove the CD-ROM after the installation is complete.

The following software is installed and shortcut icons appear on the desktop.

“Image Data Converter”

“PlayMemories Home”

“PlayMemories Home Help Guide”

Notes

- If “PMB” (Picture Motion Browser) supplied with a camera that was purchased before 2011 has already been installed on the computer, “PMB” will be overwritten by “PlayMemories Home,” and you may be unable to use some functions of “PMB” that were previously available.

Installing the software (Mac)

Log on as Administrator.

- 1 Turn on your Mac computer, and insert the CD-ROM (supplied) into the CD-ROM drive.

- 2 Double-click the CD-ROM icon.

- 3 Copy the [IDC_INST.pkg] file in the [MAC] folder to the hard disk icon.

- 4 Double-click the [IDC_INST.pkg] file in the destination folder.

Follow the instructions on the screen to complete the installation.

Using “Image Data Converter”

With “Image Data Converter”, you can do the following:

- You can play back and edit images recorded in RAW format with various corrections, such as tone curve and sharpness.
- You can adjust images with white balance, exposure, and [Creative Style], etc.
- You can save the images displayed and edited on a computer.
You can either save the image as RAW format or save it in the general file format.
- You can display and compare the RAW images and JPEG images recorded by this camera.
- You can rank images in 5 grades.
- You can apply color labels.

Using “Image Data Converter”

Refer to [Help].

Click [Start] → [All Programs] → [Image Data Converter] → [Help] → [Image Data Converter Ver.4].

“Image Data Converter” support page (English only)

<http://www.sony.co.jp/ids-se/>

Using “PlayMemories Home”

With “PlayMemories Home”, you can do the following:


- You can import images shot with the camera to your computer and display them on the computer.
- You can organize images on the computer on a calendar by shooting date to view them.
- You can retouch (Red Eye Correction, etc.), print, send still images as e-mail attachments and change the shooting date.
- You can print or save still images with the date.
- You can trim and resize images.
- You can create a Blu-ray Disc, AVCHD disc or DVD disc from AVCHD movies imported to a computer. (An internet connection environment is required when a Blu-ray Disc/DVD disc is created for the first time.)

Notes

- “PlayMemories Home” is not compatible with Mac computers. When you play back images on Mac computers, use the appropriate application software supplied with the Mac computer.
- Movies recorded with the [60p 28M(PS)/50p 28M(PS)]/[60i 24M(FX)/50i 24M(FX)]/[24p 24M(FX)/25p 24M(FX)] setting in [Record Setting] are converted by “PlayMemories Home” in order to create an AVCHD recording disc. This conversion can take a long time. Also, you cannot create a disc in the original image quality. If you want to keep the original image quality, you must store your movies on a Blu-ray Disc.

Using “PlayMemories Home”

Refer to “PlayMemories Home Help Guide.”

Double-click the shortcut of  (PlayMemories Home Help Guide) on the desktop, or click [Start] → [All Programs] → [PlayMemories Home] → [PlayMemories Home Help Guide].

“PlayMemories Home” support page (English only)

<http://www.sony.co.jp/pmh-se/>

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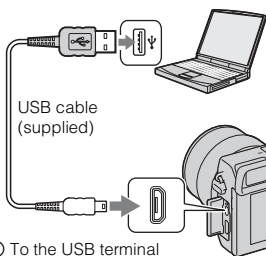
Connecting the camera to the computer

- 1 Insert a sufficiently charged battery pack into the camera, or connect the camera to a wall outlet (wall socket) using the AC-PW20 AC Adaptor (sold separately).
- 2 Turn on the camera and the computer.
- 3 Connect the camera to your computer.

When a USB connection is established for the first time, your computer automatically runs a program to recognize the camera. Wait for a while.

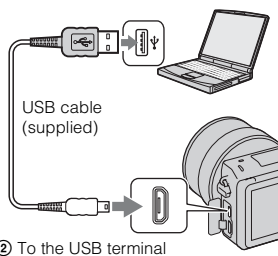
NEX-6:

- ① To a USB terminal of the computer



NEX-5R:

- ① To a USB terminal of the computer



Importing images to the computer (Windows)

“PlayMemories Home” allows you to easily import images.

For details on “PlayMemories Home” functions, see the “PlayMemories Home Help Guide.”

Importing images to the computer without using “PlayMemories Home”

When the AutoPlay Wizard appears after making a USB connection between the camera and a computer, click [Open folder to view files] → [OK] → [DCIM] or [MP_ROOT] → copy the desired images to the computer.

Notes

- For operations such as importing AVCHD movies to the computer, use “PlayMemories Home.”
- When the camera is connected to the computer, if you operate AVCHD movies or folders from the connected computer, images may be damaged or cannot be played. Do not delete or copy AVCHD movies on the memory card from the computer. Sony is not held liable for consequences resulting from such operations via the computer.

Importing images to the computer (Mac)




- 1 Connect the camera to your Mac computer first. Double-click the newly recognized icon on the desktop → the folder where the images you want to import are stored.
- 2 Drag and drop the image files to the hard disk icon.
The image files are copied to the hard disk.
- 3 Double-click the hard disk icon → the desired image file in the folder containing the copied files.
The image is displayed.

The software for Mac computers

For details on other software for Mac computers, access the following URL:
<http://www.sony.co.jp/imsoft/Mac/>

Disconnecting the camera from the computer

Complete steps 1 and 2 below before performing the following operations:

- Disconnecting the USB cable.
 - Removing the memory card.
 - Turning off the camera.
- 1 Double-click the disconnect icon on the task bar.
 - For Windows 7, click , and then click .
 - 2 Click  (Safely remove USB Mass Storage Device).

Windows Vista



Disconnect icon




Notes

- Drag and drop the icon of the memory card or the drive icon to the “Trash” icon beforehand when you use a Mac computer, and the camera is disconnected from the computer.
- With Windows 7, the disconnect icon may not be displayed. In such cases, you can disconnect without following the above procedure.
- Do not disconnect the USB cable when the access lamp is lit. The data may be damaged.

Creating a movie disc




Depending on the disc type, playable devices may vary. Select the method that suits your disc player.

There are two ways to create a movie disc. Use “PlayMemories Home” on your computer or create a disc with devices other than a computer such as a recorder.

Disc type/usage	Record setting available			Player
	PS	FX	FH	
 Blu-ray You can keep high-definition image quality (HD)	✓	✓	✓	Blu-ray Disc playback devices (Sony Blu-ray Disc player, PlayStation®3, etc.)
 DVD You can keep high-definition image quality (HD) (AVCHD recording disc)	—*	—*	✓	AVCHD format playback devices (Sony Blu-ray Disc player, PlayStation®3, etc.)
 DVD You can keep standard definition image quality (STD)	—*	—*	—*	Ordinary DVD playback devices (DVD player, computer that can play DVD, etc.)

* You can create a disc if you reduce the image quality using “PlayMemories Home.”

Characteristics of each type of disc

Disc type/usage	Description
 <p>High-definition image quality (HD)</p>	<p>A Blu-ray Disc enables you to record high definition image quality (HD) movies of a longer duration than DVD discs.</p>
 <p>High-definition image quality (HD) (AVCHD recording disc)</p>	<p>High definition image quality (HD) movie can be recorded on DVD media, such as DVD-R discs, and a high definition image quality (HD) disc is created.</p> <ul style="list-style-type: none"> You can play a high definition image quality (HD) disc on AVCHD format playback devices, such as a Sony Blu-ray Disc player and a PlayStation®3. You cannot play the disc on ordinary DVD players.
 <p>Standard definition image quality (STD)</p>	<p>Standard definition image quality (STD) movie converted from high definition image quality (HD) movie can be recorded on DVD media, such as DVD-R discs, and a standard image quality (STD) disc is created.</p>

Discs you can use with “PlayMemories Home”


You can use 12 cm discs of following type with “PlayMemories Home.” For Blu-ray Disc, see page 215.

Disc type	Features
DVD-R/DVD+R/DVD+R DL	Non-rewritable
DVD-RW/DVD+RW	Rewritable

- Always maintain your PlayStation®3 to use the latest version of the PlayStation®3 system software.
- The PlayStation®3 may not be available in some countries/regions.

Creating a high definition image quality (HD) disc (AVCHD recording disc)

You can create a high definition image quality (HD) AVCHD recording disc from AVCHD movies imported to a computer using the software “PlayMemories Home.”

- 1 Start up [PlayMemories Home] and click  (Create Discs).
- 2 Select [AVCHD (HD)] from the drop-down list for selecting a disc.
- 3 Select the AVCHD movies you want to write.
- 4 Click [Add].
 - You can also add movies by a drag and drop operation.
- 5 Create the disc, following the instructions on the screen.

Notes

- Install “PlayMemories Home” beforehand.
- Still images and MP4 movie files cannot be recorded on the AVCHD recording disc.
- It may take a long time to create a disc.
- Movies recorded with the [60p 28M(PS)/50p 28M(PS)]/[60i 24M(FX)/50i 24M(FX)]/[24p 24M(FX)/25p 24M(FX)] setting in [Record Setting] are converted by “PlayMemories Home” in order to create an AVCHD recording disc. This conversion can take a long time. Also, you cannot create a disc in the original image quality. If you want to keep the original image quality, store your movies on a Blu-ray Disc.

Playing AVCHD recording disc on a computer

You can play back the discs using “PlayMemories Home.” Select the DVD drive that hold the disc and click [Player for AVCHD] on “PlayMemories Home.”

See “PlayMemories Home Help Guide” for details.

- Movies may not be played smoothly depending on the computer environment.

Creating a Blu-ray Disc

You can create a Blu-ray Disc with AVCHD movies previously imported to a computer. Your computer must support the creation of a Blu-ray Disc.

BD-R (non-rewritable) and BD-RE (rewritable) media can be used to create a Blu-ray Disc. You cannot add contents to either type of disc once it has been created.

To create Blu-ray Discs with “PlayMemories Home,” you have to install proprietary add-on software. For details, access the following URL:

<http://support.d-imaging.sony.co.jp/BDUW/>

An Internet connection environment is required to install the add-on software.


See “PlayMemories Home Help Guide” for details.

Notes

- To play back a Blu-ray Disc created from movies recorded in [60p 28M(PS)] or [50p 28M(PS)] format, a device compatible with AVCHD standard Ver.2.0 is required.

Creating a standard definition image quality (STD) disc on a computer

You can create a standard definition image quality (STD) disc from AVCHD movies imported to a computer using supplied software “PlayMemories Home.”






- 1 Start up [PlayMemories Home] and click  (Create Discs).
- 2 Select [DVD-Video (STD)] from the drop-down list for selecting a disc.
- 3 Select the AVCHD movies you want to write.
- 4 Click [Add].
 - You can also add movies by a drag and drop operation.
- 5 Create the disc, following the instructions on the screen.

Notes

- Install “PlayMemories Home” beforehand.
- MP4 movie files cannot be recorded on a disc.
- It will take a longer time to create a disc because AVCHD movies are converted to standard definition image quality (STD) movies.
- An Internet connection environment is required when creating a DVD-Video (STD) disc for the first time.

Creating a movie disc with a device other than a computer

You can create a disc with a Blu-ray Disc recorder etc.
The disc type you can create depends on the device used.

Device	Disc type		
	Blu-ray Disc recorder: You can create a Blu-ray Disc or DVD with standard image quality (STD).	 High-definition image quality (HD)	 Standard definition image quality (STD)
	HDD recorder, etc.: You can create a DVD with standard image quality (STD).	 Standard definition image quality (STD)	

Notes

- For details on creating a disc, refer to the operating instructions that comes with the device used.

Printing still images


You can print still images using the following methods.

- Printing directly using a printer which supports your memory card type
For details, see the operating instructions supplied with the printer.
- Printing using a computer
You can import images to a computer using the “PlayMemories Home” software and print the images. You can insert the date on the image and print the image. For details, see the “PlayMemories Home Help Guide.”
- Printing at a shop
You can take a memory card containing images shot with the camera to a photo printing service shop. As long as the shop supports photo printing services conforming to DPOF, you can make a **DPOF** (Print order) mark on images in advance in the playback mode so that you do not have to reselect the images when you print them out at the shop.

Notes

- You cannot print RAW images.
- When you print images shot in [16:9] mode, both edges may be cut off.
- You cannot print panoramic images depending on the printer.
- When you print at a shop, note the followings.
 - Consult your photo printing service shop as to what types of memory card they handle.
 - A memory card adaptor (sold separately) may be necessary. Consult your photo printing service shop.
 - Before you take image data to a shop, always copy (back up) your data to other media.
 - You cannot set the number of prints.
 - If you want to superimpose dates on images, consult your photo printing service shop.
- The camera is not compatible with “PictBridge.”

Adding functions to the camera (Application downloading)

You can add the desired functions to your camera by connecting to the application downloading website  (PlayMemories Camera Apps) via the Internet. For example, the following functions are available:

- You can control the camera using a Smartphone.
- You can use various effects for shooting images.
- You can upload images to network services directly from the camera.

Some applications may be fee-based.

Recommended computer environment (Windows)

The following computer environments are needed when you download an application and add a function to the camera.

OS (pre-installed)	Microsoft Windows XP* SP3/Windows Vista** SP2/Windows 7 SP1
Browser	Internet Explorer 8* or 9*
Disk space required for installation	Approx. 10 MB
Display	1024 × 768 dots or more

* 64-bit editions and Starter (Edition) are not supported.

** Starter (Edition) is not supported.

Recommended computer environment (Mac)

The following computer environments are needed when you download an application and add a function to the camera.

OS (pre-installed)	Mac OS X v10.5, v10.6, v10.7*
CPU	Intel processor
Browser	Safari 5
Disk space required for installation	Approx. 10 MB
Display	1024 × 768 dots or more

* 32-bit kernel is not supported.

Starting up downloading services

- 1 Access the application downloading website.

<http://www.sony.net/pmca>



- 2 Follow the instructions on the screen and acquire a service account.

Follow the instructions on the screen to download the desired application to the camera.

Notes

- The application downloading function may not be available in some countries and regions. For details, refer to the application downloading website above.

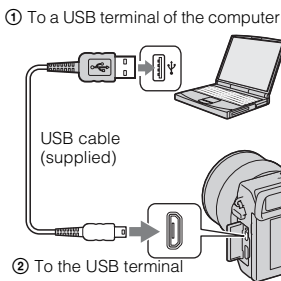
Downloading applications

- 1 Access the application downloading website.


<http://www.sony.net/pmca>

- 2 Select the desired application and download the application to the camera following the instructions on the screen.


Connect the computer and the camera using the micro USB cable (supplied), following the instructions on the screen.



💡 How to download applications directly using Wi-Fi function of the camera

You can download applications using the Wi-Fi function without connecting to a computer. Select MENU → [Application] →  (PlayMemories Camera Apps), then follow the instructions on the screen to download applications. Acquire a service account in advance.

Uninstalling applications

- 1 Select MENU → [Application] → [Application Management] → [Manage and Remove].
- 2 Select the application to be uninstalled.
- 3 Select  to uninstall the application.
The uninstalled application can be re-installed. For details, see the application downloading website.

Changing the order of applications

- 1 Select MENU → [Application] → [Application Management] → [Sort].
- 2 Select the application of which you want to change the order.
- 3 Select the destination.

Confirming the account information of “PlayMemories Camera Apps”

- 1 Select MENU → [Application] → [Application Management] → [Display Account Information].
The account information of “Sony Entertainment Network” which is registered on the camera is displayed.

Launching the downloaded application

Launch an application that has been downloaded from the application downloading website  (PlayMemories Camera Apps).

1 Select MENU → [Application] → desired application to launch.

Notes

- When using an application which is downloaded from website, you cannot use [Touch Shutter] (NEX-5R only).



How to launch the applications faster

Assign [Download Appli.] and [Application List] to the custom key. You can launch the applications or display application list only by pressing the custom key during the shooting information screen is displayed (page 163).

Troubleshooting

If you experience trouble with the camera, try the following solutions.

1 Check the items on pages 222 to 228.

2 Remove the battery pack, wait for about 1 minute, re-insert the battery pack, and then turn on the power.

3 Reset the settings (page 186).

4 Consult your Sony dealer or local authorized Sony service facility.

Battery pack and power

The battery pack cannot be installed.

- When you insert the battery pack, use the tip of the battery pack to push the lock lever.
- You can only use an NP-FW50 battery pack. Make sure that the battery is NP-FW50.

The remaining battery level indicator shows an incorrect level or power runs out quickly despite the indicator showing sufficient battery level.

- This phenomenon occurs when you use the camera in an extremely hot or cold location.
- The battery pack is discharged. Install a charged battery pack.
- The battery pack is dead. Replace the battery pack with a new one.

Cannot turn on the camera.

- Install the battery pack correctly.
- The battery pack is discharged. Install a charged battery pack.
- The battery pack is dead. Replace the battery pack with a new one.

The power turns off suddenly.

- When the camera or battery pack is too warm, the camera displays a warning message and turns off automatically to protect the camera.
- If you do not operate the camera for given period of time, the camera turns to power saving mode. To cancel the power save, operate the camera, such as pressing the shutter button halfway down (page 173).

The charge lamp on the camera flashes when charging the battery pack.

- You can use an NP-FW50 battery pack only. Make sure that the battery is NP-FW50.
- If you charge a battery pack that has not been used for a long time, the charge lamp on the camera may flash.
- The charge lamp flashes in two ways, fast (about 0.3-second intervals) or slow (about 1.3-second intervals). If the charge lamp is flashing fast, remove the battery pack and reattach the same battery pack securely, or disconnect and reconnect the USB cable. If the charge lamp flashes fast again, it suggests that there is something wrong with the battery pack, AC Adaptor (supplied), or USB cable. Slow flashing indicates that charging is suspended because the ambient temperature is outside the suitable range for charging the battery pack. Charging will resume and the charge lamp will be lit when the ambient temperature returns to within the suitable temperature. The optimal temperature for charging the battery pack is between 10 °C and 30 °C (50 °F and 86 °F).

The battery has not been charged even if the charge lamp on the camera has turned off.

- This phenomenon occurs when you use the camera in an extremely hot or cold location. The optimal temperature for charging the battery pack is between 10 °C and 30 °C (50 °F and 86 °F).

The battery pack is not charged.

- When the battery pack is not charged (the charge lamp does not light) even if you follow the proper charging procedure, remove the battery pack and re-insert the same battery pack securely, or disconnect and reconnect the USB cable.

Shooting images

Nothing is displayed on the LCD screen when the power is turned on.

- If you do not operate the camera for given period of time, the camera turns to power saving mode. To cancel the power save, operate the camera by means such as pressing the shutter button halfway down (page 173).

The shutter does not release.

- You are using a memory card with a write-protect switch, and the switch is set to the LOCK position. Set the switch to the recording position.
- Check the free capacity of the memory card.
- You cannot record images while charging the flash.
- The lens is not attached properly. Attach the lens properly.

Recording takes a long time.

- The noise reduction function is turned on (pages 150, 151). This is not a malfunction.
- You are shooting in RAW mode (page 101). Since the RAW data file is large, the RAW mode shooting may take time.
- [Auto HDR] is processing an image (page 111).

The image is out of focus.

- The subject is too close. Check the minimum focal distance of the lens.
- You are shooting in manual focus mode. Set [AF/MF Select] to [Autofocus] (page 79).
- Ambient light is insufficient.
- The subject may require special focusing. Use the [Flexible Spot] (page 81) or manual focus function (page 79).

The flash does not work.

- Pop up the flash (NEX-6) or raise the flash (NEX-5R).
- You cannot use a flash with the following recording mode:
 - [Bracket: Cont.]
 - [Sweep Panorama]
 - [Night Scene], [Hand-held Twilight] and [Anti Motion Blur] in [Scene Selection]
 - Movie recording

Fuzzy white circular spots appear on images shot using the flash.

- Particles (dust, pollen, etc.) in the air reflected the flash light and appeared on the image. This is not a malfunction.

The flash takes too long to recharge.

- The flash has been fired in succession in a short period. When the flash has been fired in succession, the recharging process may take longer than usual to avoid overheating of the camera.

The image taken with the flash is too dark.

- If the subject is beyond the flash range (the distance that the flash can reach), the pictures will be dark because the flash light does not reach the subject. If the ISO is changed, the flash range also changes with it.

The date and time are recorded incorrectly.

- Set the correct date and time (page 169).
- The area selected with [Area Setting] is different from the actual area. Set the actual area by selecting MENU → [Setup] → [Area Setting].

The aperture value and/or shutter speed flashes.

- The subject is too bright or too dark, and the camera's adjustable range for the aperture value and/or shutter speed is exceeded. Adjust the setting again.

The image is whitish (Flare).**Blurring of light appears on the image (Ghosting).**

- The picture was taken under backlit conditions, and excessive light has entered the lens. When using the zoom lens, attach a lens hood.

The corners of the picture are too dark.

- If any filter or hood is used, take it off and try shooting again. Depending on the thickness of the filter and improper attachment of the hood, the filter or the hood may partially appear in the image. The optical properties of some lenses may cause the periphery of the image to appear too dark (insufficient light). You may compensate for this phenomenon with [Lens Comp.: Shading] (page 152).

The eyes of the subject come out red.

- Activate the [Red Eye Reduction] function (page 132).
- Get close to the subject, and shoot the subject within the flash range using the flash.

Dots appear and remain on the LCD screen.

- This is not a malfunction. These dots are not recorded.

The image is blurred.

- The picture was taken in a dark location without the flash, resulting in camera-shake. The use of a tripod or the flash is recommended (page 77). [Hand-held Twilight] (page 68) and [Anti Motion Blur] (page 68) in [Scene Selection] are also effective in reducing blur.

The exposure value is flashing on the LCD screen or the viewfinder.

- The subject is too bright or too dark for the metering range of the camera.

The self-timer lamp does not flash (NEX-5R only).

- When the LCD screen is tilted upward about 180 degrees with [Self-portrait Self-timer] set to [On] and the camera is ready to take a self-portrait, the self-timer lamp does not flash.

Viewing images

Images cannot be played back.

- The folder/file name has been changed on your computer.
- When an image file has been processed by a computer or when the image file was recorded using a model other than that of your camera, playback on your camera is not guaranteed.
- The camera is in USB mode. Disconnecting the camera from the computer (page 212).
- Use “PlayMemories Home” to copy images stored on your computer to your camera to play them back on your camera.

Deleting/Editing images

The image cannot be deleted.

- Cancel the protection (page 127).

The image was deleted by mistake.

- Once you have deleted an image, you cannot restore it. We recommend that you protect images that you do not want to delete (page 127).

A DPOF mark cannot be put.

- You cannot place DPOF marks on RAW images.

Computers

Not sure if the OS of the computer is compatible with the camera.

- Check “Recommended computer environment” (page 206).

The computer does not recognize the camera.

- Check that the camera is turned on.
- When the battery level is low, install the charged battery pack, or use the AC-PW20 AC Adaptor (sold separately).
- Use the USB cable (supplied) for connection.
- Disconnect the USB cable, and connect it again firmly.
- Set [USB Connection] to [Mass Storage] (page 181).
- Disconnect all equipment other than the camera, the keyboard and the mouse from the USB terminals of your computer.
- Connect the camera directly to your computer without passing through a USB hub or other device.

Cannot copy images.

- Make the USB connection by properly connecting the camera with your computer (page 211).
- Follow the designated copy procedure for your OS.
- When you shoot images with a memory card formatted by a computer, you may not be able to copy the images to a computer. Shoot using a memory card formatted by your camera.

Cannot play back images on a computer.

- If you are using “PlayMemories Home,” refer to the “PlayMemories Home Help Guide.”
- Consult the computer or software manufacturer.

The image and sound are interrupted by noise when viewing a movie on a computer.

- You are playing back the movie directly from the memory card. Import the movie to your computer using “PlayMemories Home” and play it back.

After making a USB connection, “PlayMemories Home” does not start automatically.

- Make the USB connection after the computer is turned on (page 211).

Memory card

Cannot insert a memory card.

- Insertion direction of the memory card is wrong. Insert the memory card in the correct direction.

Cannot record on a memory card.

- The memory card is full. Delete unnecessary images (pages 41, 115).
- An incompatible memory card is inserted.

Formatted the memory card by mistake.

- All the data on the memory card is deleted by formatting. You cannot restore the data.

Printing

Cannot print images.

- RAW images cannot be printed. To print RAW images, first convert them to JPEG images using “Image Data Converter” on the supplied CD-ROM.

The color of the image is strange.

- When you print the images recorded in [AdobeRGB] mode using sRGB printers that are not compatible with Adobe RGB (DCF2.0/Exif2.21 or later), the images are printed at a lower saturation.

Images are printed with both edges cut off.

- Depending on your printer, the left, right, top, and bottom edges of the image may be cut off. Especially when you print an image shot with the aspect ratio set to [16:9], the lateral end of the image may be cut off.
- When printing images using your printer, cancel the trimming or borderless settings of the printer. Consult the printer manufacturer as to whether the printer provides these functions or not.
- When you print images at a shop, ask the shop whether they can print the images without cutting off both edges.

Cannot print images with the date.

- Using “PlayMemories Home,” you can print images with date.
- The camera does not have a feature for superimposing dates on images. However, because the images shot with the camera include information on the recording date, you can print images with the date superimposed if the printer or the software can recognize Exif information. For compatibility with Exif information, consult the manufacturer of the printer or the software.
- When you print images at a shop, images can be printed with the date if you ask them to do so.

Others

The lens gets fogged.

- Moisture condensation has occurred. Turn off the camera and leave it for about an hour before using it.

The message “Set Area/Date/Time.” appears when the camera is turned on.

- The camera has been left unused for sometime with a low battery or no battery pack. Charge the battery pack and set the date again (page 169). If the message appears every time you charge the battery pack, the internal rechargeable battery may be exhausted. Consult your Sony dealer or local authorized Sony service facility.

The date and time are recorded incorrectly.

- Correct or check the date and time setting by selecting MENU → [Setup] → [Date/Time Setup].

The number of recordable images does not decrease, or decreases 2 images at a time.

- This is because the compression rate and the image size after compression change depending on the image when you shoot a JPEG image.

The setting is reset without the resetting operation.

- The battery pack was removed when the power switch was set to ON. When removing the battery pack, make sure the camera is turned off and the access lamp is not lit.

The camera does not work properly.

- Turn off the camera. Remove the battery pack and insert it again. If the camera is hot, remove the battery pack, and allow it to cool down before trying this corrective procedure.
- If an AC-PW20 AC Adaptor (sold separately) is used, disconnect the power cord. Connect the power cord and turn on the camera again. If the camera does not work after trying these solutions, consult your Sony dealer or local authorized Sony service facility.

"--E--" appears on the screen.

- Remove the memory card, and insert it again. If the problem persists even after performing this procedure, format the memory card (page 187).

The buttons on the touch panel do not work correctly or do not work at all (NEX-5R only).

- If you cover the panel with a commercially available protective film, the panel may not operate.
- If you are touching somewhere other than the point you should touch, the panel may not operate properly.
- Some operations cannot be done on the touch panel. In this case, use the control wheel and buttons.
- Perform [Calibration] (page 183).

Warning messages

If the following messages appear, follow the instructions accordingly.

Incompatible battery. Use correct model.

- An incompatible battery pack is being used.

Set Area/Date/Time.

- Set the date and time. If you have not used the camera for a long time, charge the internal rechargeable battery.

Power insufficient.

- You tried to clean the image sensor ([Cleaning Mode]) when the battery level is insufficient. Charge the battery pack or use an AC-PW20 AC Adaptor (sold separately).

Unable to use memory card. Format?

- The memory card was formatted on a computer and the file format was modified. Select OK, and then format the memory card. You can use the memory card again, however, all previous data in the memory card is erased. It may take some time to complete the format. If the message still appears, change the memory card.

Memory Card Error

- An incompatible memory card is inserted or the format has failed.

Reinsert memory card.

- The inserted memory card cannot be used in your camera.
- The memory card is damaged.
- The terminal section of the memory card is dirty.

This memory card may not be capable of recording and playing normally.

- The inserted memory card cannot be used in the camera.

Processing...

- Long exposure noise reduction or high ISO noise reduction is being carried out. You cannot do any further shooting during this reduction process. You can disable the long exposure noise reduction function.

Unable to display.

- Images recorded with other cameras or images modified with a computer may not be displayed.

Cannot recognize lens. Attach it properly.

- The lens is not attached properly, or the lens is not attached. If the message appears when a lens is attached, reattach the lens. If the message appears frequently, check whether the contacts of the lens and camera are clean or not.
- When attaching the camera to an astronomical telescope or something similar, set [Release w/o Lens] to [Enable] (page 147).
- The SteadyShot function does not work. You can continue to shoot but the SteadyShot function will not work. Turn the camera off and on. If this icon does not disappear, consult your Sony dealer or local authorized Sony service facility.
- The lens with power zoom is retracted. Turn off the camera and eject the battery pack, then reinsert the battery pack.

No images.

- There is no image on the memory card.

Image protected.

- You tried to delete protected images.

Unable to print.

- You tried to mark RAW images with a DPOF mark.

Internal temp. high. Allow it to cool.

- The camera has become hot because you have been shooting continuously. Turn the power off. Cool the camera and wait until the camera is ready to shoot again.



- You have been recording images for a long time, the camera temperature has risen. Stop recording images until the camera cools.



- The number of images exceeds that for which date management in a database file by the camera is possible.



- Unable to register to the database file. Import all the images to a computer using “PlayMemories Home” and recover the memory card.

Camera Error. Turn power off then on.

- Turn the power off, remove the battery pack, and then re-insert it. If the message appears frequently, consult your Sony dealer or local authorized Sony service facility.

Image DataBase File error

- There is something wrong occurred in the Image Database File. Select [Setup] → [Recover Image DB].

Image Database File error. Recover?

- You cannot record or play back AVCHD movies because the Image Database File is damaged. Follow the on-screen instructions to recover data.

Recording is unavailable in this movie format.

- Set [File Format] to [MP4].

Unable to magnify.**Unable to rotate image.**

- Images recorded with other cameras may not be enlarged or rotated.

No images selected.

- You attempted to delete without specifying images.

No images changed.

- You attempted to execute DPOF without specifying images.

Cannot create more folders.

- The folder with a name beginning with "999" exists on the memory card. You cannot create any folders if this is the case.

Using the camera abroad

You can use the AC Adaptor in any country or region where the power supply is within 100 V to 240 V AC, 50 Hz/60 Hz.

Notes

- An electronic voltage transformer is unnecessary and its use may cause a malfunction.

On TV color systems

The camera automatically detects the color system to match that of the connected video device.

NTSC system

Bahama Islands, Bolivia, Canada, Central America, Chile, Colombia, Ecuador, Jamaica, Japan, Korea, Mexico, Peru, Surinam, Taiwan, the Philippines, the U.S.A., Venezuela, etc.

PAL system

Australia, Austria, Belgium, China, Croatia, Czech Republic, Denmark, Finland, Germany, Holland, Hong Kong, Hungary, Indonesia, Italy, Kuwait, Malaysia, New Zealand, Norway, Poland, Portugal, Rumania, Singapore, Slovak Republic, Spain, Sweden, Switzerland, Thailand, Turkey, United Kingdom, Viet Nam, etc.

PAL-M system

Brazil

PAL-N system

Argentina, Paraguay, Uruguay

SECAM system

Bulgaria, France, Greece, Guiana, Iran, Iraq, Monaco, Russia, Ukraine, etc.

Memory card




You can use following memory cards with this camera: “Memory Stick PRO Duo” media, “Memory Stick PRO-HG Duo” media, SD memory card, SDHC memory card, and SDXC memory card. You cannot use a MultiMediaCard.

Notes

- Memory card formatted with a computer is not guaranteed to operate with the camera.
- Data read/write speeds differ depending on the combination of the memory card and the equipment used.
- Do not remove the memory card while reading or writing data.
- Data may be corrupted in the following cases:
 - When the memory card is removed or the camera is turned off during a read or write operation
 - When the memory card is used in locations subject to static electricity or electrical noise
- We recommend backing up important data, such as to a hard disk of a computer.
- Do not attach a label on the memory card itself nor on a memory card adaptor.
- Do not touch the terminal section of the memory card with your hand or a metal object.
- Do not strike, bend or drop the memory card.
- Do not disassemble or modify the memory card.
- Do not expose the memory card to water.
- Do not leave the memory card within the reach of small children. They might accidentally swallow it.
- The memory card may be hot just after it has been used for a long time. Be careful when you handle it.
- Do not use or store the memory card under the following conditions:
 - High temperature locations such as in a car parked under the sun
 - Locations exposed to direct sunlight
 - Humid locations or locations with corrosive substances present
- Images recorded on an SDXC memory card cannot be imported to or played on computers or AV devices that are not compatible with exFAT. Make sure that the device is compatible with exFAT before connecting it to the camera. If you connect your camera to an incompatible device, you may be prompted to format the card. Never format the card in response to this prompt, as doing so will erase all data on the card. (exFAT is the file system used on SDXC memory cards.)

“Memory Stick” media

The types of “Memory Stick” media that can be used with the camera are listed in the table below. However, proper operation cannot be guaranteed for all “Memory Stick” media functions.

“Memory Stick PRO Duo” media ^{1) 2) 3)}	Compatible with your camera	
“Memory Stick PRO-HG Duo” media ^{1) 2)}		
“Memory Stick Duo” media	Incompatible with your camera	
“Memory Stick” media and “Memory Stick PRO” media	Incompatible with your camera	


¹⁾ This is equipped with MagicGate function. MagicGate is copyright protection technology that uses encryption technology. Data recording/playback that requires MagicGate functions cannot be performed with this camera.

- 2) Supports high-speed data transfer using a parallel interface.
- 3) When using “Memory Stick PRO Duo” media to record movies, only those marked with Mark2 can be used.

Notes on using “Memory Stick Micro” media (sold separately)

- This product is compatible with “Memory Stick Micro” media (“M2”). “M2” is an abbreviation for “Memory Stick Micro” media.
- To use a “Memory Stick Micro” media with the camera, be sure to insert the “Memory Stick Micro” media into an “M2” Adaptor as large as Duo size. If you insert a “Memory Stick Micro” media into the camera without an “M2” Adaptor as large as Duo size, you might not be able to remove it from the camera.
- Do not leave the “Memory Stick Micro” media within the reach of small children. They might accidentally swallow it.

“InfoLITHIUM” battery pack

Your camera operates only with an “InfoLITHIUM” battery pack NP-FW50. You cannot use any other battery packs. “InfoLITHIUM” W series battery packs have the  mark.

An “InfoLITHIUM” battery pack is a lithium-ion battery pack that has functions for communicating information related to operating conditions with the camera.

The “InfoLITHIUM” battery pack calculates the power consumption according to the operating conditions of your camera, and displays the remaining battery time in percentages.

On charging the battery pack







We recommend charging the battery pack in an ambient temperature of between 10 °C and 30 °C (50 °F and 86 °F). The battery pack may not be effectively charged in temperatures outside this range.

Effective use of the battery pack

- Battery performance decreases in low temperature environments. So in cold places, the operational time of the battery pack is shorter. To ensure longer battery pack use, we recommend putting the battery pack in your pocket close to your body to warm it up, and insert it in the camera immediately before you start shooting.
- The battery pack will run out quickly if you use the flash or record movies frequently.
- We recommend preparing spare battery packs and taking trial shots before taking the actual shots.
- Do not expose the battery pack to water. The battery pack is not water-resistant.
- Do not leave the battery pack in extremely hot places, such as in a car or under direct sunlight.

On the remaining battery time indicator

- You can check the level with the following indicators and percent figures displayed on the LCD screen.

Battery level						“Battery exhausted.”
	High  Low					You cannot shoot any more image.

- If the power goes off even though the remaining battery time indicator indicates that the battery pack is fully charged, recharge the battery pack after fully discharging it in the camera. Remaining battery time will be indicated correctly. Note, however, that the battery indication will not be restored if it is used in high temperatures for a long time, or if left after being charged, or when the battery pack is frequently used. Use the remaining battery indication as a rough guide only.

How to store the battery pack

- To maintain the battery pack’s function, charge the battery pack and then fully discharge it in the camera at least once a year before storing it. Store the battery pack in a cool, dry place.

- To use the battery pack up, leave the camera in slide show playback mode until the power goes off.
- To prevent staining the terminal, short-circuiting, etc., be sure to use a plastic bag to keep away from metal materials when carrying or storing the battery pack.

On battery life

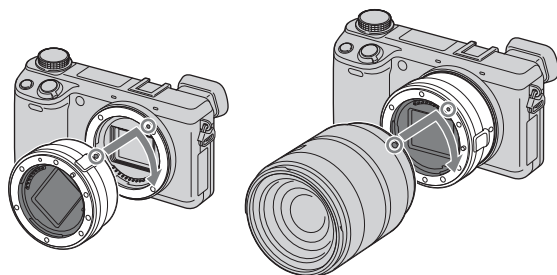
- The battery life is limited. Battery capacity decreases over time and through repeated use. If the available time of the battery is shortened significantly, it is probably time to replace the battery pack with a new one.
- The battery life varies according to how the battery pack is stored and the operating conditions and environment in which each battery pack is used.

Battery charging

- Only NP-FW50 battery packs (and no others) can be charged. Batteries other than the specified kind may leak, overheat, or explode if you attempt to charge them, posing a risk of injury from electrocution and/or burn.
- Remove the AC Adaptor from the wall outlet (wall socket) or disconnect the USB cable from the camera. If you leave the charged battery pack in the camera, battery life may be shortened.
- The charge lamp located on the side of the camera flashes in either way:
Fast flashing: Turns the light on and off repeatedly at the interval of about 0.3 second.
Slow flashing: Turns the light on and off repeatedly at the interval of about 1.3 seconds.
- When the charge lamp flashes fast, remove the battery pack being charged, and then insert the same battery pack into the camera securely again, or disconnect and reconnect the USB cable. When the charge lamp flashes fast again, this may indicate a battery error or that a battery pack other than the specified type has been inserted or that there is something wrong with the AC Adaptor or USB cable. Check that the battery pack is the specified type, or the AC Adaptor or USB cable is damaged or not. If the battery pack is the specified type, remove the battery pack, replace it with a new one or another one and check if the battery pack is charged properly. If the battery pack is charged properly, a battery error may have occurred. If another battery pack cannot be charged properly, the AC Adaptor or USB cable may be damaged. Replace the AC Adaptor or the USB cable to another one and check that the battery pack is charged properly or not.
- When the charge lamp flashes slowly, it indicates that the camera stops charging temporarily on standby. The camera stops charging and enters the standby status automatically when the temperature is outside of the recommended operating temperature. When the temperature gets back within the appropriate range, the camera resumes charging and the charge lamp lights up again. We recommend charging the battery pack in an ambient temperature of between 10 °C and 30 °C (50 °F and 86 °F).

Mount Adaptor

Using a Mount Adaptor (sold separately), you can attach an A-mount lens (sold separately) to your camera. For details, refer to the operating instructions supplied with the Mount Adaptor.









The available functions differ depending on the Mount Adaptor type.

Functions	LA-EA1	LA-EA2
Autofocus	Available with SAM/SSM lens only*	Available
AF system	Contrast AF	Phase-detection AF
AF/MF Select	Switchable on the lens	SAM lens: switchable on the lens SSM lens: switchable on the lens, and also on the menu when the switch on the lens is set to AF Other lenses: switchable on the menu
Autofocus Area	Multi/Center/Flexible Spot	Wide/Spot/Local
Autofocus Mode	Single	Single/Continuous

* The autofocus speed will be slower compared to when an E-mount lens is attached. (When an A-mount lens is attached, the autofocus speed will be about 2 seconds to 7 seconds, when shooting under Sony measurement condition. The speed may vary depending on the subject, ambient light, etc.)

The available [Autofocus Area] settings differ depending on the Mount Adaptor type.

LA-EA1	
 (Multi)	The camera determines which of the 25 AF areas is used for focusing.
 (Center)	The camera uses the AF area located in the center area exclusively.
 (Flexible Spot)	Moves the focusing area to focus on a small subject or narrow area by pressing the top/bottom/right/left of the control wheel.
LA-EA2	
 (Wide)	The camera determines which of the 15 AF areas is used for focusing.
 (Spot)	The camera uses the AF area located in the center area exclusively.
 (Local)	Choose the area for which you want to activate the focus from among 15 AF areas with the control wheel.

Notes

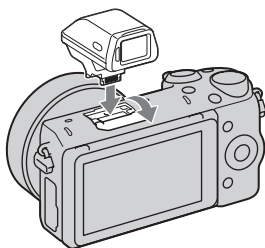
- You may not be able to use the Mount Adaptor with certain lenses. Consult your Sony dealer or local authorized Sony service facility on compatible lenses.
- When you are using the Mount Adaptor and record movies, press the shutter button halfway down to use autofocus.
- You cannot use the AF illuminator when using an A-mount lens.
- The sound of the lens and the camera in operation may be recorded during movie recording. You can turn the sound off by selecting MENU → [Setup] → [Movie Audio Rec] → [Off].
- It may take a long time or may be difficult for the camera to focus, depending on the lens used or the subject.
- The light of the flash may be blocked by the lens attached.

Electronic Viewfinder (sold separately) (NEX-5R only)

By attaching an Electronic Viewfinder (sold separately) to the Smart Accessory Terminal 2 of the camera, you can shoot images while looking through the Electronic Viewfinder.

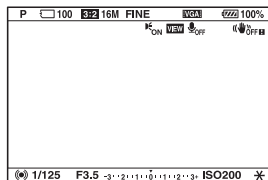
Turn the camera off when you attach or remove an Electronic Viewfinder.

For details, refer to the operating instructions supplied with the Electronic Viewfinder.



List of icons

Only major items are shown on the Electronic Viewfinder. See page 20 for what each icon indicates.



Notes

- The LCD screen is turned off when the Electronic Viewfinder is used.
- If you use the Electronic Viewfinder for a long time, the Electronic Viewfinder may get warm. The camera then displays **EVF FINDER** / **EVF FINDER** and switches to the LCD screen display automatically.
- When **EVF FINDER ERROR** appears, reconnect the Electronic Viewfinder.

AVCHD format

The AVCHD format is a high definition digital video camera format used to record a high definition (HD) signal of either the 1080i specification¹⁾ or the 720p specification²⁾ using efficient data compression coding technology. The MPEG-4 AVC/H.264 format is adopted to compress video data, and the Dolby Digital or Linear PCM system is used to compress audio data.

The MPEG-4 AVC/H.264 format is capable of compressing images at higher efficiency than that of the conventional image compressing format. The MPEG-4 AVC/H.264 format enables a high definition video signal shot on a digital video camera recorder to be recorded on 8 cm DVD discs, hard disk drive, flash memory, memory card, etc. Discs recorded with HD (high definition) image quality can be played back only on AVCHD format-compatible devices. DVD-based players or recorders cannot play back HD image quality discs, as they are incompatible with the AVCHD format. Also, DVD-based players or recorders may fail to eject HD image quality discs.

Recording and playback on your camera

Based on the AVCHD format, your camera records with the high definition image quality (HD) mentioned below.

Video signal³⁾: **1080 60i-compatible device**

MPEG-4 AVC/H.264 1920 × 1080/60i, 1920 × 1080/60p,
1920 × 1080/24p

1080 50i-compatible device

MPEG-4 AVC/H.264 1920 × 1080/50i, 1920 × 1080/50p,
1920 × 1080/25p

Audio signal: Dolby Digital 2ch

Recording media: Memory card

¹⁾ 1080i specification

A high definition specification which utilizes 1,080 effective scanning lines and the interlace system.

²⁾ 720p specification

A high definition specification which utilizes 720 effective scanning lines and the progressive system.

³⁾ Data recorded in AVCHD format other than the above mentioned cannot be played on your camera.

Cleaning

Cleaning the camera

- Do not touch the inside of the camera, such as lens contacts. Blow away dust from inside the mount with a commercially available blower*. For details on cleaning the image sensor, see page 182.
 - * Do not use a spray type blower as doing so may cause a malfunction.
- Clean the camera surface with a soft cloth slightly moistened with water, and then wipe the surface with a dry cloth. To avoid damaging the finish or casing, follow the instructions below.
 - Do not use the chemical products such as thinner, benzine, alcohol, disposable cloths, insect repellent, sunscreen or insecticide, etc.
 - Do not touch the camera if you have the above chemical products on your hand.
 - Do not leave the camera in contact with rubber or vinyl for a long time.

Cleaning the lens

- Do not use a cleaning solution containing organic solvents, such as thinner, or benzine.
- When cleaning the lens surface, remove dust with a commercially available blower. In case of dust that sticks to the surface, wipe it off with a soft cloth or tissue paper slightly moistened with lens cleaning solution. Wipe in a spiral pattern from the center to the outside. Do not spray lens cleaning solution directly onto the lens surface.

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