

FUJIFILM

DIGITAL CAMERA

GFX 100

Owner's Manual

Introduction

Thank you for your purchase of this product. Be sure that you have read this manual and understood its contents before using the camera. Keep the manual where it will be read by all who use the product.

For the Latest Information

The latest versions of the manuals are available from:

<http://fujifilm-dsc.com/en/manual/>



The site can be accessed not only from your computer but also from smartphones and tablets. It also contains information on the software license.



For information on firmware updates, visit:

http://www.fujifilm.com/support/digital_cameras/software/



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
Menu List

Camera menu options are listed below.

Shooting Menus

Adjust settings when shooting photos or movies.

 See page 103 for details.





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B & W ADJ.   (Warm/Cool)	108	AF POINT DISPLAY  	124
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COLOR CHROME EFFECT	109	PRE-AF	125
SMOOTH SKIN EFFECT	109	AF ILLUMINATOR	125
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				TALLY LIGHT	169
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The Playback Menu

Adjust playback settings.














 See page 177 for details.

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Setup Menus

Adjust basic camera settings.

 See page 197 for details.

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2½  REGULATORY	202	
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Supplied Accessories

The following are included with the camera:

- NP-T125 rechargeable batteries (× 2)
- BC-T125 battery charger
- Plug adapter
- EVF-GFX2 interchangeable electronic viewfinder
- Body cap (comes attached to camera)
- Metal strap clips (× 2)
- Clip attaching tool
- Protective covers (× 2)
- Shoulder strap
- Cable protector
- Hot shoe cover (comes attached to hot shoe)
- Sync terminal cap (comes attached to camera)
- *Owner's Manual* (this manual)



- The plug adapter supplied with the camera varies with the country or region of purchase; be sure to use the adapter appropriate to your country or region as described in the enclosed notice.
- For information on compatible computer software, see “[Software for Use with Your Camera](#)” (📖 298).

About This Manual

This manual contains instructions for your FUJIFILM **GFX100** digital camera. Be sure you have read and understood its contents before proceeding.

Symbols and Conventions

The following symbols are used in this manual:



Information that should be read to prevent damage to the product.



Additional information that may be helpful when using the product.



Pages on which related information may be found.

Menus and other text in the displays are shown in **bold**. Illustrations are for explanatory purposes only; drawings may be simplified, while photographs are not necessarily taken with the model of camera described in this manual.

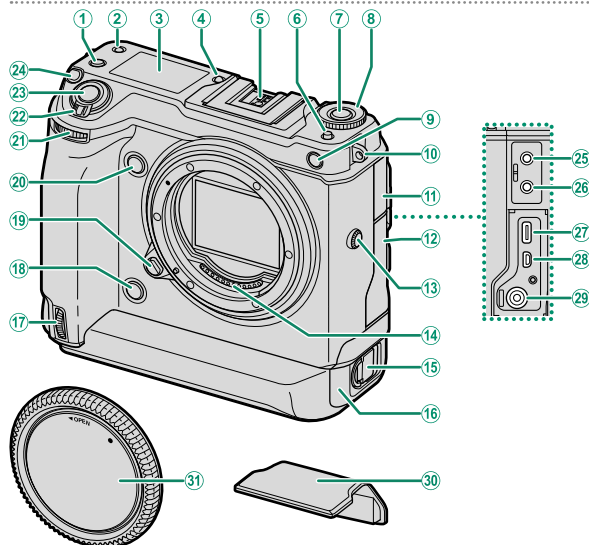
Terminology

The optional SD, SDHC, and SDXC memory cards the camera uses to store pictures are referred to as “memory cards”. The electronic viewfinder may be referred to as the “EVF” and the LCD monitor as the “LCD”.

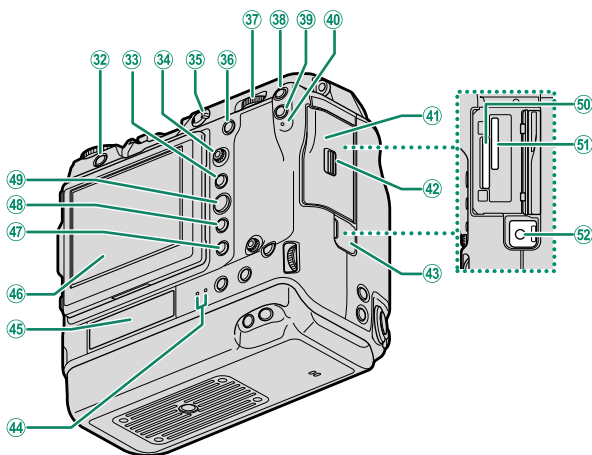


Before You Begin

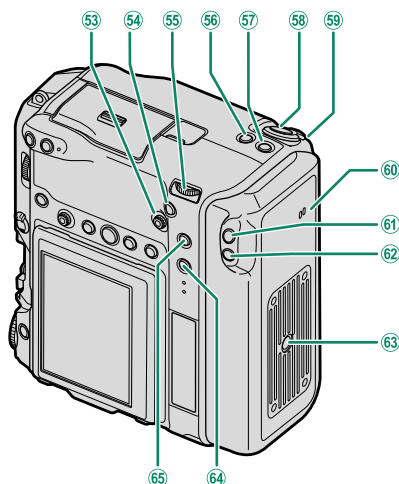
Parts of the Camera



- | | | | |
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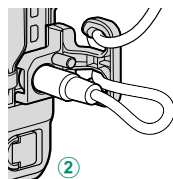
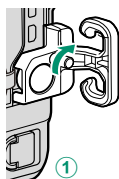
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- 55 Vertical grip rear command dial 8, 36, 226
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- 57 Vertical grip **Fn1** button
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- 63 Tripod mount
- 64 **Fn5** button 80, 256
- 65 Vertical grip **AE-L** (exposure lock) button 36, 95, 256

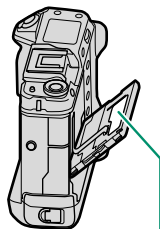
The Cable Protector

- 1 The cable protector prevents accidental disconnection of the USB cable or AC adapter. Attach the protector as shown and tighten the lock screw.
- 2 Connect the cable and pass it through the protector as shown.



The Serial Number Plate

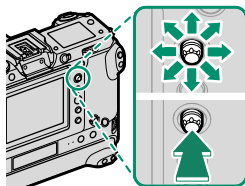
Do not remove the serial number plate, which provides the FCC ID, KC mark, CMIIT ID, serial number, and other important information.



Serial number plate

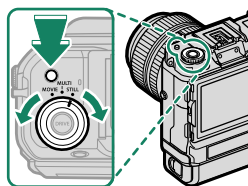
The Focus Stick (Focus Lever)

Tilt or press the focus stick to select the focus area. The focus stick can also be used to navigate the menus.



The DRIVE mode dial

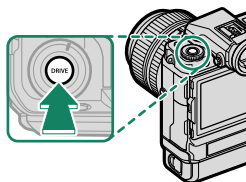
The **DRIVE** mode dial is used to select the drive mode. Hold the **DRIVE** mode dial release button while rotating the dial to select the desired mode.



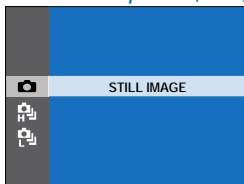
Option	Description
STILL	Take pictures one at a time or in bursts (📖 56, 99).
MULTI	Record a multiple exposures or take a series of photographs using bracketing (📖 96, 101).
MOVIE	Shoot movies (📖 62).

The DRIVE Button

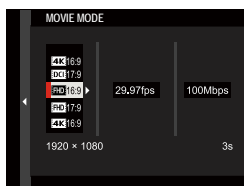
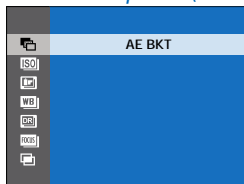
Pressing the **DRIVE** button when **STILL** or **MULTI** is selected with the **DRIVE** mode dial displays drive mode options. Pressing the button when **MOVIE** is selected displays movie mode options (151).



Drive mode options (STILL)



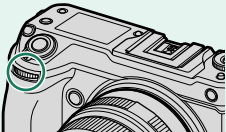
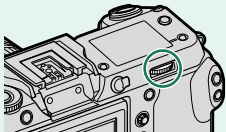






Drive mode options (MULTI)



Drive mode options (MOVIE)

The Command Dials

Rotate or press the command dials to:

	Front command dial	Rear command dial
		
  Rotate	<ul style="list-style-type: none"> • Select menu tabs or page through menus • Choose the desired combination of shutter speed and aperture (program shift) • Adjust aperture^{1,2} • View other pictures during playback 	<ul style="list-style-type: none"> • Highlight menu items • Choose the desired combination of shutter speed and aperture (program shift) • Choose a shutter speed^{1,4} • Adjust exposure compensation by pressing the  button and rotating the dial¹ • Adjust settings in the quick menu • Choose the size of the focus frame • Zoom in or out in full frame playback • Zoom in or out in multi-frame playback
 Press	<ul style="list-style-type: none"> • Switch between aperture and ISO sensitivity² • Press and hold to choose the option selected for  BUTTON/DIAL SETTING > COMMAND DIAL SETTING in the  (setup) menu 	<ul style="list-style-type: none"> • Zoom in on the active focus point³ • Press and hold to choose the manual focus mode focus display³ • Zoom in on the active focus point during playback

1 Can be changed using  **BUTTON/DIAL SETTING > COMMAND DIAL SETTING**.

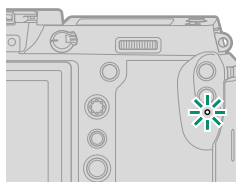
2 If the lens is equipped with an aperture ring with a "C" position, the camera command dials can be used to adjust aperture when the aperture ring is rotated to C.

3 Available only if **FOCUS CHECK** is assigned to a function button.

4 Only if a value other than auto is selected for shutter speed.

The Indicator Lamp

Camera status is shown by the indicator lamp 1.



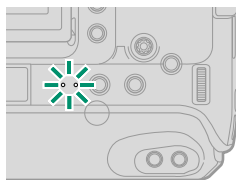
Indicator lamp 1	Camera status
Glows green	Focus locked.
Blinks green	Focus or slow shutter speed warning. Pictures can be taken.
Blinks green and orange	<ul style="list-style-type: none"> • Camera on: Recording pictures. Additional pictures can be taken. • Camera off: Uploading pictures to a smartphone or tablet.*
Glows orange	Recording pictures. No additional pictures can be taken at this time.
Blinks red	Lens or memory error.

* Displayed only if pictures are selected for upload.



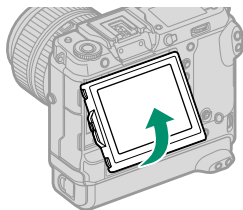
- Warnings may also appear in the display.
- The indicator lamp remains off while your eye is to the viewfinder.


If the camera is off, the two lamps designated as “indicator lamp 2” light green while the batteries are charging. The lamp on the right shows the status of the battery in the right battery chamber, that on the left the status of the battery in the left battery chamber (📖 43).



The LCD Monitor

The LCD monitor can be tilted for easier viewing, but be careful not to touch the wires or trap fingers or other objects behind the monitor. Touching the wires could cause camera malfunction.



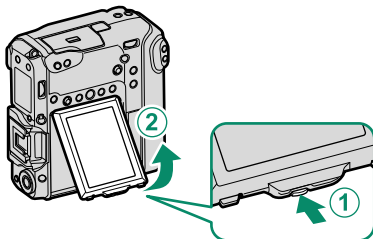
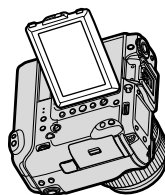
 The LCD monitor also functions as a touch screen that can be used for:

- Touch photography (📖 32)
- Focus area selection (📖 31)
- Function selection (📖 34)
- Muting camera controls during movie recording (📖 33)
- Full-frame playback (📖 35)

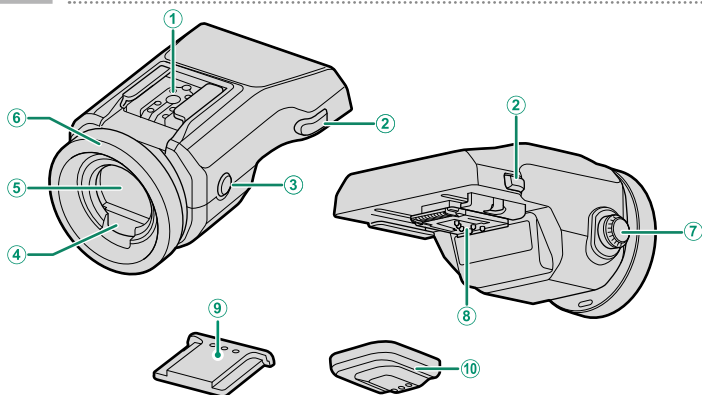
"Tall" (Portrait) Orientation

The display can also be tilted to take pictures from high or low angles when the camera is rotated to take pictures in "tall" (portrait) orientation.

- Press the tilt lock release and tilt the display as shown in Figure 1.
- To take high-angle shots, hold the camera in the orientation shown in Figure 2.

*Figure 1**Figure 2*

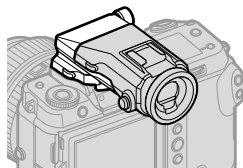
The Viewfinder



① Hot shoe.....	267, 273	⑥ Eye cup	14
② Viewfinder lock releases	13	⑦ Diopter adjustment control	15
③ VIEW MODE button.....	20	⑧ Connectors.....	13
④ Eye sensor	20	⑨ Hot shoe cover	
⑤ Electronic viewfinder (EVF).....	16, 20	⑩ Connector cover	

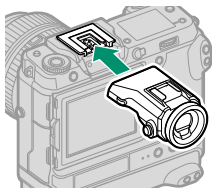
The EVF-TL1

The optional EVF-TL1 tilt adapter lets you swivel the viewfinder left or right $\pm 45^\circ$ or up or down between 0° and 90° (267).



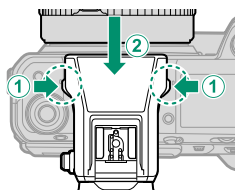
Attaching the Viewfinder

Using the viewfinder makes it easier to frame your subject accurately. Remove the hot shoe cover from the camera and slide the viewfinder onto the hot shoe, stopping when it clicks into place.



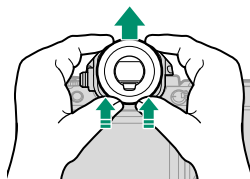
Removing the Viewfinder

Keeping the lock releases pressed (①), press down on the front of the viewfinder (②) and slide it off as shown.



The Eye Cup

To remove the eye cup, press the bottom in with both thumbs and slide eye cup up.

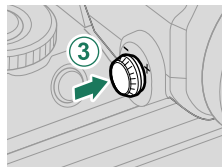
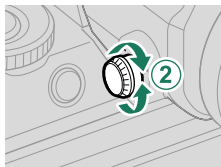
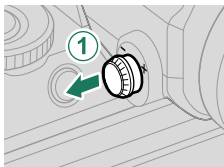



Focusing the Viewfinder

If the indicators displayed in the viewfinder are blurred, put your eye to the viewfinder and rotate the diopter adjustment control until the display is in sharp focus.

To focus the viewfinder:

- ① Lift the diopter adjustment control.
- ② Rotate the control to adjust viewfinder focus.
- ③ Return the control to its original position and lock it in place.



 Lift the control before use. Failure to observe this precaution could cause product malfunction.

1

Before You Begin

The Electronic Viewfinder



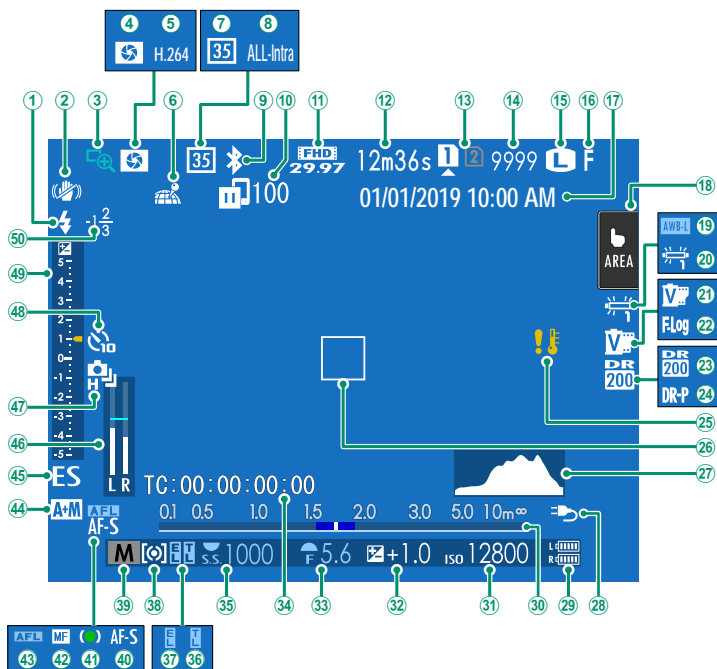
① IS mode ²	143	②⑥ Temperature warning.....	323
② Flash (TTL) mode.....	273	②⑦ Virtual horizon.....	25
③ Flash compensation.....	273	②⑧ Focus frame.....	82, 94
④ 35mm format mode.....	146	②⑨ Histogram.....	25
⑤ Movie compression.....	153	③⑩ External power source in use.....	43
⑥ Self-timer indicator.....	135	③① Battery level.....	51
⑦ Continuous mode.....	99	③② Sensitivity.....	90
⑧ Shutter type.....	141	③③ Exposure compensation.....	93
⑨ AF+MF indicator ²	128	③④ Aperture.....	69, 73, 75
⑩ Bluetooth ON/OFF.....	240	③⑤ Shutter speed.....	69, 70, 75
⑪ White balance.....	112	③⑥ TTL lock.....	149, 225, 261
⑫ AWB lock.....	230	③⑦ AE lock.....	95, 230
⑬ Film simulation.....	107	③⑧ Metering.....	92
⑭ F-Log/HLG recording.....	158	③⑨ Shooting mode.....	68
⑮ Dynamic range.....	110	④⑩ Focus mode ²	78
⑯ D-range priority.....	111	④① Focus indicator ²	79
⑰ Image transfer status.....	240, 284	④② Manual focus indicator ²	78, 85
⑱ Date and time.....	52, 54, 199	④③ AF lock.....	95, 230
⑲ Movie mode ³	62, 151	④④ Distance indicator ²	87
⑳ Time remaining ³	63	④⑤ Recording level ^{2,3}	165
㉑ Card slot options.....	48, 237	④⑥ Exposure indicator.....	75, 93
㉒ Number of available frames ¹	324	④⑦ Location data download status.....	246, 284
㉓ Image size.....	104	④⑧ Depth-of-field preview.....	74, 87
㉔ Image quality.....	105	④⑨ H.265(HEVC)/H.264.....	153
㉕ Touch screen mode.....	31, 132	⑤⑩ Focus check.....	88, 129

1 Shows "9999" if there is space for over 9999 frames.

2 Not displayed when **ON** is selected for **SCREEN SET-UP > LARGE INDICATORS MODE(EVF)**.

3 Displayed during movie recording only.

The LCD Monitor



① Flash (TTL) mode.....	273	②⑥ Focus frame.....	82, 94
② IS mode ²	143	②⑦ Histogram.....	25
③ Focus check.....	88, 129	②⑧ External power source in use.....	43
④ Depth-of-field preview.....	74, 87	②⑨ Battery level.....	51
⑤ H.265(HEVC)/H.264.....	153	③⑩ Distance indicator ²	87
⑥ Location data download status.....	246, 284	③① Sensitivity.....	90
⑦ 35mm format mode.....	146	③② Exposure compensation.....	93
⑧ Movie compression.....	153	③③ Aperture.....	69, 73, 75
⑨ Bluetooth ON/OFF.....	240	③④ Time code.....	167
⑩ Image transfer status.....	240, 284	③⑤ Shutter speed.....	69, 70, 75
⑪ Movie mode ³	62, 151	③⑥ TTL lock.....	149, 225, 261
⑫ Time remaining ³	63	③⑦ AE lock.....	95, 230
⑬ Card slot options.....	48, 237	③⑧ Metering.....	92
⑭ Number of available frames ¹	324	③⑨ Shooting mode.....	68
⑮ Image size.....	104	④⑩ Focus mode ²	78
⑯ Image quality.....	105	④① Focus indicator ²	79
⑰ Date and time.....	52, 54, 199	④② Manual focus indicator ²	78, 85
⑱ Touch screen mode ⁴	31, 132	④③ AF lock.....	95, 230
⑲ AWB lock.....	230	④④ AF+MF indicator ²	128
⑳ White balance.....	112	④⑤ Shutter type.....	141
㉑ Film simulation.....	107	④⑥ Recording level ^{2,3}	165
㉒ F-Log/HLG recording.....	158	④⑦ Continuous mode.....	99
㉓ Dynamic range.....	110	④⑧ Self-timer indicator.....	135
㉔ D-range priority.....	111	④⑨ Exposure indicator.....	75, 93
㉕ Temperature warning.....	323	⑤⑩ Flash compensation.....	273

1 Shows "9999" if there is space for over 9999 frames.

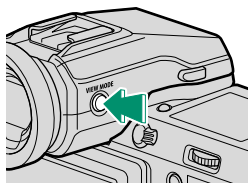
2 Not displayed when **ON** is selected for **SCREEN SET-UP > LARGE INDICATORS MODE(LCD)**.




3 Displayed during movie recording only.

4 Camera functions can also be accessed via touch controls.

Choosing a Display Mode

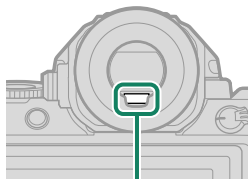
Press the **VIEW MODE** button to cycle through the following display modes.



Option	Description
 EYE SENSOR	Putting your eye to the viewfinder turns the viewfinder on and the LCD monitor off; taking your eye away turns the viewfinder off and LCD monitor on.
EVF ONLY	Viewfinder on, LCD monitor off.
LCD ONLY	LCD monitor on, viewfinder off.
EVF ONLY + 	Putting your eye to the viewfinder turns the viewfinder on; taking it away turns the viewfinder off. The LCD monitor remains off.
 EYE SENSOR + LCD IMAGE DISP.	Putting your eye to the viewfinder during shooting turns the viewfinder on, but the LCD monitor is used for the display of images once you remove your eye from the viewfinder after shooting.


The Eye Sensor

- The eye sensor may respond to objects other than your eye or to light shining directly on the sensor.
- The eye sensor is disabled while the LCD monitor is tilted.




Eye sensor

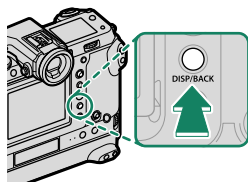
Adjusting Display Brightness

The brightness and hue of the viewfinder and LCD monitor can be adjusted using the items in the  **SCREEN SET-UP** menu. Choose **EVF BRIGHTNESS** or **EVF COLOR** to adjust viewfinder brightness or hue, **LCD BRIGHTNESS** or **LCD COLOR** to do the same for the LCD monitor.

The DISP/BACK Button

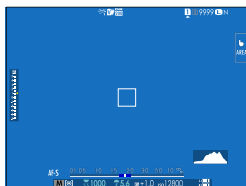
The **DISP/BACK** button controls the display of indicators in the viewfinder and LCD monitor.

 Indicators for the EVF and LCD must be selected separately. To choose the EVF display, place your eye to the viewfinder while using the **DISP/BACK** button.



Viewfinder

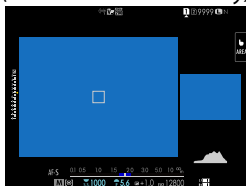
Full screen



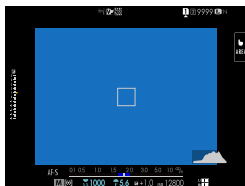
*Full screen
(no indicators)*



*Dual display
(manual focus mode only)*



Standard indicators

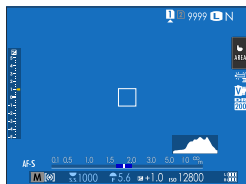


Standard (no indicators)

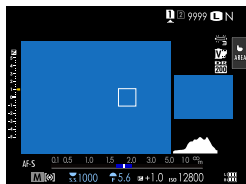


LCD Monitor

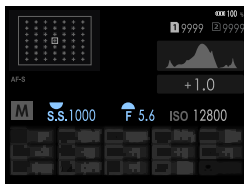
Standard indicators



No indicators



*Dual display
(manual focus mode only)*



Info display

The Dual Display

The dual display consists of a large full-frame window and a smaller close-up of the focus area.

Customizing the Standard Display

To choose the items shown in the standard indicator display:

1 Display standard indicators.

Use the **DISP/BACK** button to display standard indicators.

2 Select **DISP. CUSTOM SETTING**.

Select  **SCREEN SET-UP > DISP. CUSTOM SETTING** in the setup menu.

3 Choose items.

Highlight items and press **MENU/OK** to select or deselect.

- FRAMING GUIDELINE
- ELECTRONIC LEVEL
- FOCUS FRAME
- AF DISTANCE INDICATOR
- MF DISTANCE INDICATOR
- HISTOGRAM
- LIVE VIEW HIGHLIGHT ALERT
- SHOOTING MODE
- APERTURE/S-SPEED/ISO
- INFORMATION BACKGROUND
- Expo. Comp. (Digit)
- Expo. Comp. (Scale)
- FOCUS MODE
- PHOTOMETRY
- SHUTTER TYPE
- FLASH
- CONTINUOUS MODE
- DUAL IS MODE
- TOUCH SCREEN MODE
- WHITE BALANCE
- FILM SIMULATION
- DYNAMIC RANGE
- **BOOST MODE**
- FRAMES REMAINING
- IMAGE SIZE/QUALITY
- MOVIE MODE & REC. TIME
- 35mm FORMAT MODE
- IMAGE TRANSFER ORDER
- MIC LEVEL
- **GUIDANCE MESSAGE**
- BATTERY LEVEL
- FRAMING OUTLINE

4 Save changes.

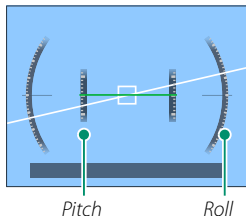
Press **DISP/BACK** to save changes.

5 Exit the menus.

Press **DISP/BACK** as needed to exit the menus and return to the shooting display.

Virtual Horizon

Selecting **ELECTRONIC LEVEL** displays a virtual horizon. The camera is level when the two lines overlap. Note that the virtual horizon may not be displayed if the camera lens is pointed up or down. For a 3D display (shown), press the function button to which **ELECTRONIC LEVEL** is assigned (📖 223, 259).

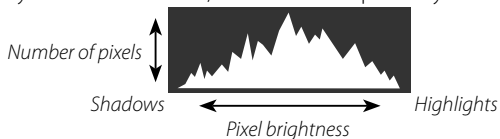


Framing Outline

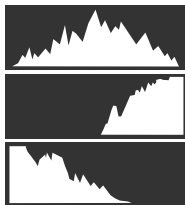
Enable **FRAMING OUTLINE** to make the borders of the frame easier to see against dark backgrounds.

Histograms

Histograms show the distribution of tones in the image. Brightness is shown by the horizontal axis, the number of pixels by the vertical axis.

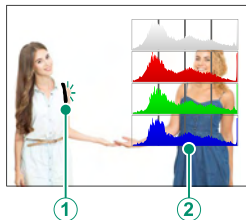


- **Optimal exposure:** Pixels are distributed in an even curve throughout the tone range.
- **Overexposed:** Pixels are clustered on the right side of the graph.
- **Underexposed:** Pixels are clustered on the left side of the graph.



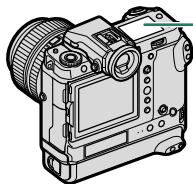
To view separate RGB histograms and a display showing areas of the frame that will be overexposed at current settings superimposed on the view through the lens, press the function button to which **HISTOGRAM** is assigned (📖 223, 259).

- ① Overexposed areas blink
- ② RGB histograms

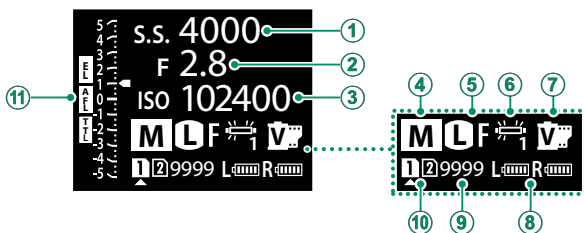


The Secondary LCD Monitor

Among the settings that can be viewed in the secondary LCD monitor are shutter speed, aperture, and ISO sensitivity.



Secondary LCD monitor



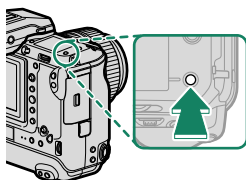
Default

① SHUTTER SPEED	⑦ FILM SIMULATION
② APERTURE	⑧ BATTERY LEVEL
③ ISO	⑨ FRAMES REM.
④ SHOOTING MODE	⑩ CARD SLOT OPTIONS
⑤ IMAGE SIZE/QUALITY	⑪ Scale
⑥ WHITE BALANCE	

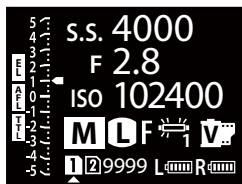
The settings displayed can be selected using **SCREEN SET-UP > SUB MONITOR SETTING.**

Cycling Through Indicators in the Secondary LCD Monitor

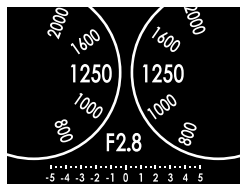
The indicators displayed in the secondary LCD monitor change each time the secondary LCD monitor mode button is pressed.



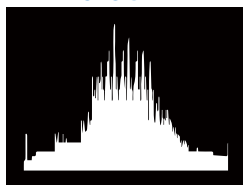
INFORMATION



DIALS

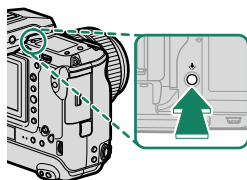


HISTOGRAM



The secondary LCD monitor backlight button

To turn on the secondary LCD monitor backlight when you find the secondary LCD monitor too dark to read, press the secondary LCD monitor backlight button. Press the button again to turn the backlight off.

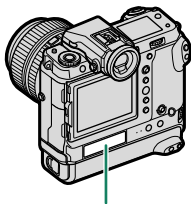


Background Color

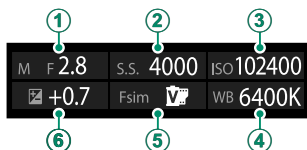
The background color (black or white) for the secondary LCD monitor can be selected using the **SCREEN SET-UP > SUB MONITOR BACKGROUND COLOR** option in the **(setup)** menu. Note that the background is displayed in white whenever the secondary LCD monitor backlight is on.

The Rear Secondary Monitor

Among the indicators that can be viewed in the rear secondary monitor are histograms and the exposure compensation indicator.



Rear secondary monitor



Default

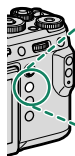
① APERTURE	④ WHITE BALANCE
② SHUTTER SPEED	⑤ FILM SIMULATION
③ ISO	⑥ EXPO. COMP.






- Use **SCREEN SET-UP > REAR SUB MONITOR SETTING** to choose the indicators displayed or turn the rear secondary monitor off.
- Putting your eye to the viewfinder when the eye sensor is enabled turns off the rear secondary monitor.

Using the Menus

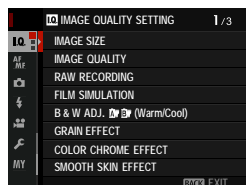
To display the menu, press **MENU/OK**.



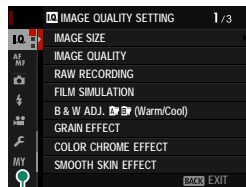
Shooting	Playback
 IQ IMAGE QUALITY SETTING 1/3 IMAGE SIZE IMAGE QUALITY RAW RECORDING FILM SIMULATION B & W ADJ.  (Warm/Cool) GRAIN EFFECT COLOR CHROME EFFECT SMOOTH SKIN EFFECT <small>BACK EXIT</small>	 PLAY BACK MENU 1/3 SWITCH SLOT 1 RAW CONVERSION ERASE SIMULTANEOUS DELETE(RAW SLOT1/JPG SLOT2) CROP RESIZE PROTECT IMAGE ROTATE <small>BACK EXIT</small>

To navigate the menus:

- 1 Press **MENU/OK** to display the menus.



- 2 Press the focus stick (focus lever) left to highlight the tab for the current menu.



Tab

- 3 Press the focus stick up or down to highlight the tab (**IQ**, **AF.MF**, **Ⓜ**, **⚡**, **Ⓜ**, **MY**, **Ⓜ** or **Ⓜ**) containing the desired item.
- 4 Press the focus stick right to place the cursor in the menu.



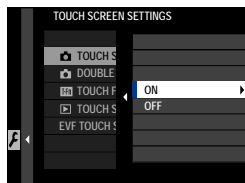
Use the front command dial to select menu tabs or page through menus and the rear command dial to highlight menu items.

Touch Screen Mode

The LCD monitor also functions as a touch screen.

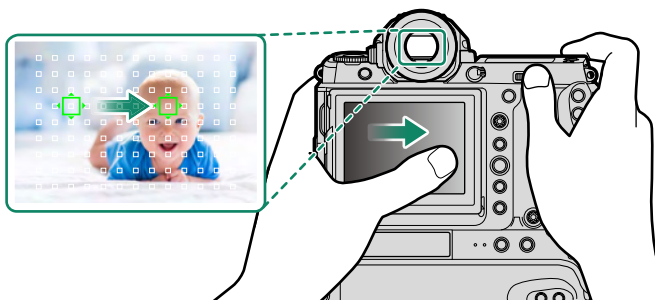
Shooting Touch Controls

To enable touch controls, select **ON** for **☑️ BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > 📷 TOUCH SCREEN SETTING**.



EVF

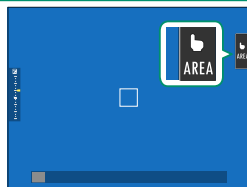
The LCD monitor can be used to select the focus area while pictures are being framed in the electronic viewfinder (EVF). Use **☑️ BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > EVF TOUCH SCREEN AREA SETTINGS** to choose the area of the monitor employed for touch controls.







📷 If **📷 FACE SELECT** is enabled when **FACE DETECTION ON** is selected for **AF/MF AF/MF SETTING > FACE/EYE DETECTION SETTING**, the face used for focus can be chosen via touch controls.

LCD Monitor

Touch controls can be used for such operations as focusing, choosing the focus area, and taking photographs. The operation performed can be selected by tapping the touch screen mode indicator in the display to cycle through the following options.



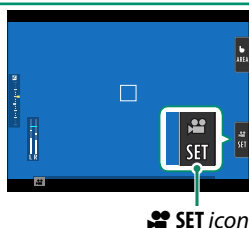
Mode	Description
 AF  AF OFF	<ul style="list-style-type: none"> In focus mode S (AF-S), the camera focuses when you tap your subject in the display. Focus locks at the current distance until you tap the AF OFF icon. In focus mode C (AF-C), the camera initiates focus when you tap your subject display. The camera will continue to adjust focus for changes in the distance to the subject until you tap the AF OFF icon. In manual focus mode (MF), you can tap the display to focus on the selected subject using autofocus.
 AREA	Tap to select a point for focus or zoom. The focus frame will move to the selected point.
 OFF	Touch focus disabled.

⚠ Different touch controls are used during focus zoom (📖 134).

- 🔧 To disable touch controls and hide the touch screen mode indicator, select **OFF** for **🔧 BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > 📷 TOUCH SCREEN SETTING**.
- Touch control settings can be adjusted using **📷 AF/MF SETTING > TOUCH SCREEN MODE**. For information on the touch controls available during movie recording, see "Movie Recording (**TOUCH SCREEN MODE**; 📖 133)".

Muting Movie Controls

Movie settings can be adjusted using touch-screen controls, preventing the sounds made by camera controls being recorded with the movie. When **ON** is selected for **MOVIE SETTING > MOVIE SILENT CONTROL** in the shooting menu, a **SET** icon will be displayed in the LCD monitor; tap the icon to access the following controls:



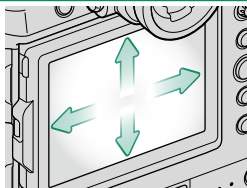
- SHUTTER SPEED *
- APERTURE *
- EXPOSURE COMPENSATION
- ISO
- INTERNAL MIC LEVEL
ADJUSTMENT/EXTERNAL MIC
LEVEL ADJUSTMENT
- WIND FILTER
- HEADPHONES VOLUME
- FILM SIMULATION
- WHITE BALANCE

* Selecting **ON** for **MOVIE SETTING > MOVIE SILENT CONTROL** disables dial controls.

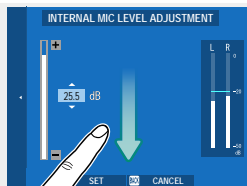
Touch Function

Functions can be assigned to the following flick gestures in much the same way as function buttons (📖 256):

- Flick up: **T-Fn1**
- Flick left: **T-Fn2**
- Flick right: **T-Fn3**
- Flick down: **T-Fn4**



- In some cases, touch-function flick gestures display a menu; tap to select the desired option.
- Touch-function gestures are disabled by default. To enable touch-function gestures, select **ON** for **🔧 BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > T-Fn TOUCH FUNCTION**.



Playback Touch Controls

When **ON** is selected for **▶ BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > ▶ TOUCH SCREEN SETTING**, touch controls can be used for the following playback operations:

- **Swipe:** Swipe a finger across the display to view other images.



- **Pinch-out:** Place two fingers on the display and spread them apart to zoom in.



- **Pinch-in:** Place two fingers on the display and slide them together to zoom out.

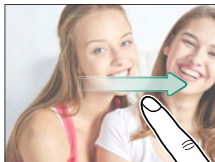


Pictures can be zoomed out until the entire image is visible but no further.

- **Double-tap:** Tap the display twice to zoom in on the focus point.



- **Drag:** View other areas of the image during playback zoom.



Taking Pictures in Portrait Orientation

The vertical-grip buttons, command dials, and focus stick (focus lever) make the camera easier to use when rotated to take pictures in portrait ("tall") orientation.



*Landscape
("wide")
orientation*



*Portrait
("tall")
orientation*



- To use the vertical-grip buttons, command dials, and focus stick, slide the vertical grip control lock from **LOCK** to **●**. Selecting **LOCK** prevents you accidentally using the vertical-grip controls when the camera is rotated to take pictures in landscape ("wide") orientation.
- The vertical-grip command dials perform the same functions as their landscape-orientation counterparts.

Display Rotation

When **ON** is selected for **SCREEN SET-UP > AUTOROTATE DISPLAYS**, the indicators in the viewfinder and LCD monitor automatically rotate to match camera orientation.

First Steps

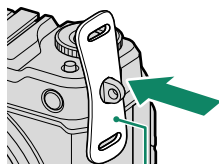
2

Attaching the Strap

Attach the strap clips to the camera and then attach the strap.

1 Attach a protective cover.

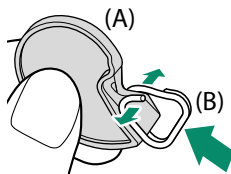
Place a protective cover over the eye-let as shown, with the black side of the cover toward the camera.



Protective cover

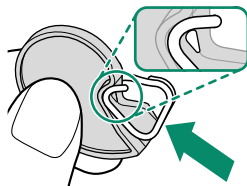
2 Open a strap clip.

Use the clip attaching tool (A) to open a strap clip (B).




3 Slide the clip onto the tool.

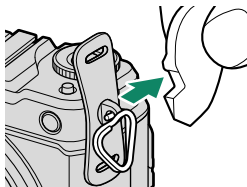
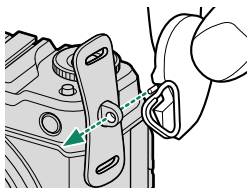
Slide the clip onto the tool so that it hooks over the projection.



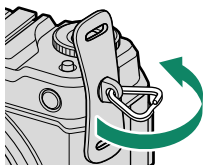
4 Place the strap clip on an eyelet.

Hook the strap eyelet in the clip opening. Remove the tool, using the other hand to keep the clip in place.


 Keep the tool in a safe place, as you will need it to open the strap clips when removing the strap.

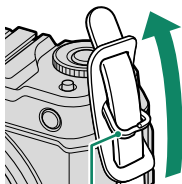
**5 Pass the clip through the eyelet.**

Rotate the clip fully through the eyelet until it clicks closed.

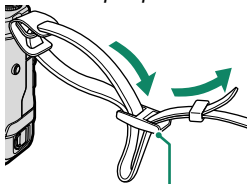
**6 Fasten the strap.**

Insert the strap through a protective cover and strap clip and fasten the buckle as shown.

 To avoid dropping the camera, be sure the strap is correctly secured.



Strap clip



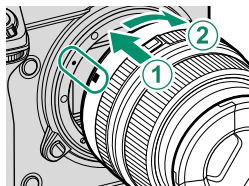
Buckle

Repeat the above steps for the second eyelet.

Attaching a Lens

The camera can be used with lenses for the FUJIFILM G-mount.

Remove the body cap from the camera and the rear cap from the lens. Place the lens on mount, keeping the marks on the lens and camera aligned (①), and then rotate the lens until it clicks into place (②).

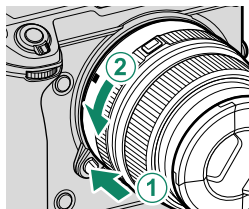


- ❗ When attaching lenses, ensure that dust or other foreign matter does not enter the camera.
- Be careful not to touch the camera's internal parts.
- Rotate the lens until it clicks securely into place.
- Do not press the lens release button while attaching the lens.

Removing Lenses

To remove the lens, turn the camera off, then press the lens release button (①) and rotate the lens as shown (②).

- ❗ To prevent dust accumulating on the lens or inside the camera, replace the lens caps and camera body cap when the lens is not attached.



Lenses and Other Optional Accessories

The camera can be used with lenses and accessories for the FUJIFILM G-mount.

- ❗ Observe the following precautions when attaching or removing (exchanging) lenses.
- Check that the lenses are free of dust and other foreign matter.
- Do not change lenses in direct sunlight or under another bright light source. Light focused into the interior of the camera could cause it to malfunction.
- Attach the lens caps before exchanging lenses.
- See the manual provided with the lens for information on use.

Charging the Batteries

The batteries are not charged at shipment. Before use, charge the batteries in the supplied battery charger.

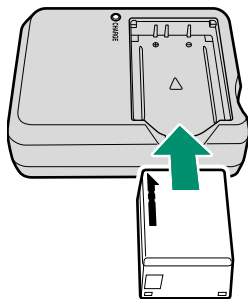
- ❗ The camera is supplied with NP-T125 batteries.
- Charging takes about 140 minutes.

1 Connect the plug adapter.

- ❗ The plug adapter supplied with the camera varies with the country or region of purchase; use the adapter appropriate to your country or region as described in the enclosed notice.

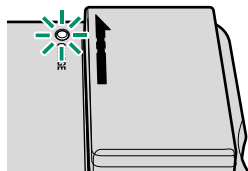
2 Place the battery in the charger.

Insert the battery in the orientation shown by the arrow.



3 Plug the charger in.

Plug the charger into an indoor power outlet. The charging indicator will light.



4 Charge the battery.

Remove the battery when charging is complete.

The Charging Indicator

The charging indicator shows battery charge status as follows:



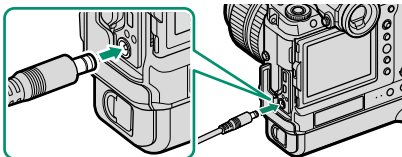
Charging indicator	Battery status	Action
Off	Battery not inserted.	Insert the battery.
	Battery fully charged.	Remove the battery.
On	Battery charging.	—
Blinks	Battery fault.	Unplug the charger and remove the battery.



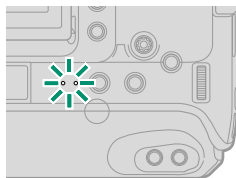
- The supplied charger is compatible with power supplies of 100 to 240 volts (a plug adapter may be needed for overseas use).
- Do not affix labels or other objects to the battery. Failure to observe this precaution could make it impossible to remove the battery from the camera.
- Do not short the battery terminals. The battery could overheat.
- Read the cautions in "The Battery and Power Supply".
- Use only genuine Fujifilm rechargeable batteries designated for use in this camera. Failure to observe this precaution could result in product malfunction.
- Do not remove the labels from the battery or attempt to split or peel the outer casing.
- The battery gradually loses its charge when not in use. Charge the battery one or two days before use.
- If the battery fails to hold a charge, it has reached the end of its charging life and must be replaced.
- Unplug the charger when it is not in use.
- Remove dirt from the battery terminals with a clean, dry cloth. Failure to observe this precaution could prevent the battery from charging.
- Note that charging times increase at low or high temperatures.




Charging via AC Adapter

The battery inserted in the camera will also charge when the camera is powered by an optional AC-15V AC adapter. Charging takes about 120 minutes.




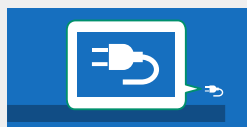
Battery charge status is shown by battery status icons when the camera is on (playback mode) and by the two lamps designated as “indicator lamp 2” when the camera is off. The left lamp shows the status of battery in chamber “L”, the right lamp that of the battery in chamber “R”.



Battery status icon (camera on)	Indicator lamp 2 (camera off)	Battery status
 (yellow)	On	Battery charging
 (green)	Off	Charging complete
 (red)	Blinks	Battery fault

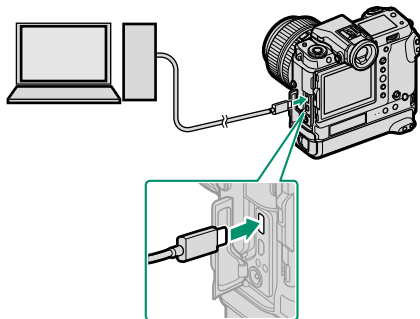
 Charging times may increase if the camera is left on during charging.

 The camera will display an “external power source” icon when powered via an AC-15V AC adapter.



Charging from a Computer or Portable Battery

The batteries also charge if the camera is connected to a computer or portable battery. Turn the camera off, insert the batteries, and connect a USB cable.





USB connector (Type-C)

- Battery status is shown by indicator lamp 2.

Indicator lamp 2	Battery status
On	Battery charging
Off	Charging complete
Blinks	Battery fault

- Connect the camera directly to the computer; do not use a USB hub or keyboard.
- Charging stops if the computer enters sleep mode. To resume charging, activate the computer and disconnect and reconnect the USB cable.
- Charging may not be supported depending on the model of computer, computer settings, and the computer's current state.
- Information on supported portable batteries is available on the Fujifilm website.

 If the camera is turned on during charging, charging will end and the battery level will begin to gradually decline.

 The camera will display an "external power source" icon when powered via USB.

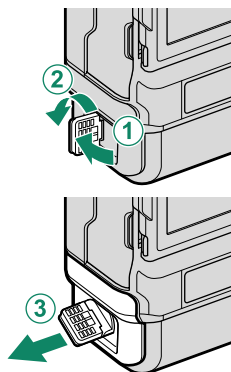


Inserting the Batteries

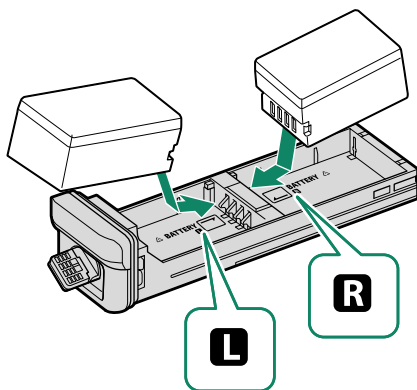
After charging the batteries, insert them in the camera as described below.

- 1 Remove the battery tray.
Rotate the battery tray latch and remove the battery tray.

- ! Do not remove the battery tray when the camera is on. Failure to observe this precaution could damage image files or memory cards.
- Do not use excessive force when handling the battery tray.

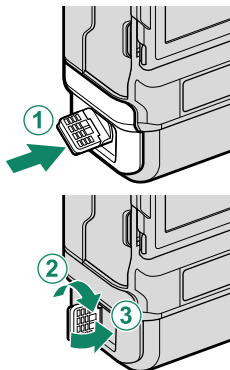


- 2 Insert the batteries as shown.



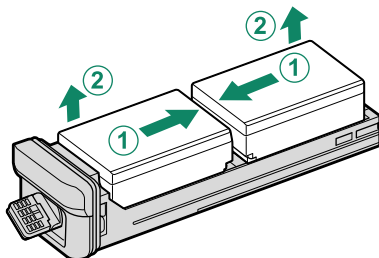
- ! Insert the battery in the orientations shown. *Do not use force or attempt to insert the batteries upside down or backwards.*
- Confirm that the battery are secure.

- 3** Insert the battery tray and hold it in place while rotating the latch to its original position.



Removing the Batteries


After turning the camera off, rotate the battery tray latch and remove the battery tray. Remove the batteries as shown.



The battery may become hot when used in high-temperature environments. Observe caution when removing the battery.

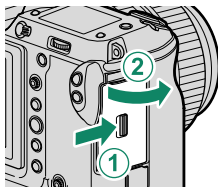
Inserting Memory Cards


Pictures are stored on memory cards (sold separately).

 The camera can be used with two cards, one in each of its two slots.

1 Open the memory card slot cover.

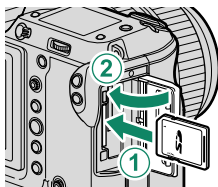
Unlatch and open the cover.




 Do not open the memory card-slot cover when the camera is on. Failure to observe this precaution could damage image files or memory cards.


2 Insert the memory card.

Holding the card in the orientation shown, slide it in until it clicks into place at the back of the slot. Close and latch the memory card slot cover.



 Be sure card is in the correct orientation; do not insert at an angle or use force.

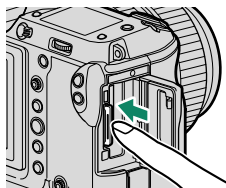
3 Format the memory card (198).

 Format memory cards before first use, and be sure to reformat all memory cards after using them in a computer or other device.

Removing Memory Cards




Before removing memory cards, *turn the camera off* and open the memory card slot cover.

Press and release the card to eject it part way (to prevent the card falling from the slot, press the center of the card and release it slowly, without removing your finger from the card). The card can then be removed by hand.



Using Two Cards

The camera can be used with two cards, one in each of its two slots. At default settings, photos are saved to the card in the second slot only when the card in the first slot is full. This can be changed using **SAVE DATA SET-UP > CARD SLOT SETTING (STILL IMAGE)**.

Option	Description	Display
SEQUENTIAL (default)	The card in the second slot is used only when the card in the first slot is full. If the second slot is selected for SAVE DATA SET-UP > SELECT SLOT(📷SEQUENTIAL) , recording will start on the card in the second slot and switch to the first slot when the card in the second slot is full.	
BACKUP	Each picture is recorded twice, once to each card.	
RAW / JPEG	As for SEQUENTIAL , except that the RAW copy of pictures taken with SUPER FINE+RAW , FINE+RAW , or NORMAL+RAW selected for IMAGE QUALITY SETTING > IMAGE QUALITY will be saved to the card in the first slot and the JPEG copy to the card in the second slot.	

The card used to store movies can be selected using **SAVE DATA SET-UP > SELECT SLOT(🎥SEQUENTIAL)**.

Compatible Memory Cards

- The camera can be used with SD, SDHC, and SDXC memory cards. Both the UHS-I and UHS-II bus interfaces are supported.
- UHS-II cards are recommended for high-speed burst photography.
- Use cards with a video speed class of V60 or better to record movies at a bit rate of 400 Mbps. To record movies with lower bit rates, use cards with a UHS speed class of 3 or better or a video speed class of V30 or better.
- A list of supported memory cards is available on the Fujifilm website. For details, visit:
http://www.fujifilm.com/support/digital_cameras/compatibility/.



• Do not turn the camera off or remove the memory card while the memory card is being formatted or data are being recorded to or deleted from the card. Failure to observe this precaution could damage the card.

- Memory cards can be locked, making it impossible to format the card or to record or delete images. Before inserting a memory card, slide the write-protect switch to the unlocked position.

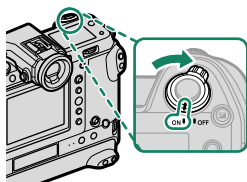



- Memory cards are small and can be swallowed; keep out of reach of children. If a child swallows a memory card, seek medical assistance immediately.
- miniSD or microSD adapters that are larger or smaller than memory cards may not eject normally; if the card does not eject, take the camera to an authorized service representative. Do not forcibly remove the card.
- Do not affix labels or other objects to memory cards. Peeling labels can cause camera malfunction.
- Movie recording may be interrupted with some types of memory card.
- Formatting a memory card in the camera creates a folder in which pictures are stored. Do not rename or delete this folder or use a computer or other device to edit, delete, or rename image files. Always use the camera to delete pictures; before editing or renaming files, copy them to a computer and edit or rename the copies, not the originals. Renaming the files on the camera can cause problems during playback.



Turning the Camera On and Off

Use the **ON/OFF** switch to turn the camera on and off.

Slide the switch to **ON** to turn the camera on, or to **OFF** to turn the camera off.










 Fingerprints and other marks on the lens or viewfinder can affect pictures or the view through the viewfinder. Keep the lens and viewfinder clean.

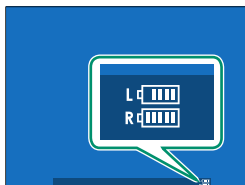
-  • Pressing the  button during shooting starts playback.
- Press the shutter button halfway to return to shooting mode.
 - The camera will turn off automatically if no operations are performed for the length of time selected for **POWER MANAGEMENT > AUTO POWER OFF**. To reactivate the camera after it has turned off automatically, press the shutter button halfway or turn the **ON/OFF** switch to **OFF** and then back to **ON**.

Checking the Battery Level

After turning the camera on, check the battery level in the display.

Battery level is shown as follows:

Indicator	Description
	Battery partially discharged.
	Battery about 80% full.
	Battery about 60% full.
	Battery about 40% full.
	Battery about 20% full.
 (red)	Low battery. Charge as soon as possible.
 (blinks red)	Battery exhausted. Turn camera off and recharge battery.



- The display shows the level of inserted batteries only.
- When a full complement of batteries are inserted in the camera, the batteries will be used in the following order:
 - ① The battery (L)
 - ② The battery (R)

Basic Setup

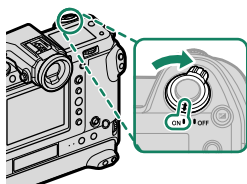
When you turn the camera on for the first time, you can choose a language and set the camera clock. At default settings, you can also pair the camera with a smartphone or tablet so that you can later synchronize the clocks or download pictures. Follow the steps below when turning the camera on for the first time.



If you intend to pair the camera with a smartphone or tablet, install and launch the latest version of the FUJIFILM Camera Remote App on the smart device before proceeding. For more information, visit: http://app.fujifilm-dsc.com/en/camera_remote/

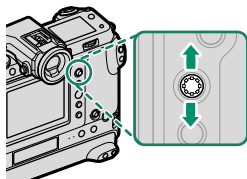
1 Turn the camera on.

A language-selection dialog will be displayed.



2 Choose a language.

Highlight a language and press **MENU/OK**.

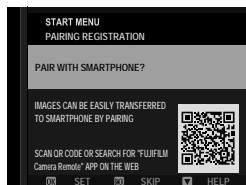


3 Pair the camera with the smartphone or tablet.

Press **MENU/OK** on the camera and tap **PAIRING REGISTRATION** in FUJIFILM Camera Remote.

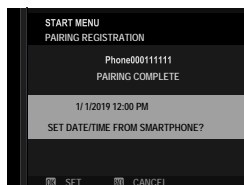



To skip pairing, press **DISP/BACK**.



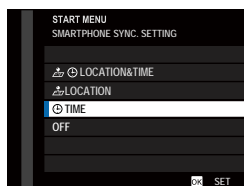
4 Check the time.

When pairing is complete, you will be prompted to set the camera clock to the time reported by the smartphone or tablet. Check that the time is correct.



 To set the clock manually, press **DISP/BACK** (📖 54).


5 Synchronize the camera settings with the settings configured on your smartphone or tablet.



 The option selected can be changed at any time using **CONNECTION SETTING > Bluetooth SETTINGS**.

6 Set the clock.

Press **MENU/OK** to set the camera clock to the time reported by the smartphone or tablet and exit to shooting mode.



 If the battery is removed for an extended period, the camera clock will be reset and the language-selection dialog will be displayed when the camera is turned on.

Skipping the Current Step

If you skip a step, a confirmation dialog will be displayed; select **NO** to avoid repeating any steps you skipped the next time the camera is turned on.


Choosing a Different Language

To change the language:

- 1 **Display language options.**
Select  **USER SETTING** >  **言語/LANG..**
- 2 **Choose a language.**
Highlight the desired option and press **MENU/OK**.

Changing the Time and Date

To set the camera clock:

- 1 **Display DATE/TIME options.**
Select  **USER SETTING** > **DATE/TIME**.
- 2 **Set the clock.**
Press the focus stick (focus lever) left or right to highlight the year, month, day, hour, or minute and press up or down to change. Press **MENU/OK** to set the clock.

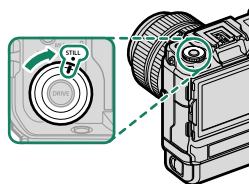
Basic Photography and Playback

3

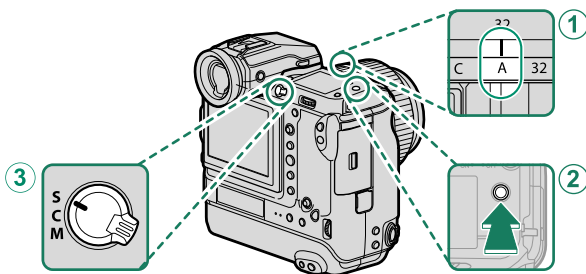
Taking Photographs (Mode P)

This section describes how to take pictures using program AE (mode P). See pages 68–76 for information on S, A, and M modes.

- 1 Rotate the **DRIVE** mode dial to **STILL**.



- 2 Adjust settings for program AE.

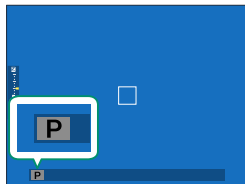


Setting		
① Aperture	A (auto)	68
② Shutter speed	Auto	68
③ Focus mode	S (single AF)	78

Press the button to which **SHOOTING MODE** is assigned (at default settings, the **Fn2** button) to switch between shutter speeds of auto and User-selected (manually selected shutter speed). This function can be assigned to a different button if desired (259).

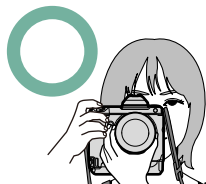
3 Check the shooting mode.

Confirm that **P** appears in the display.

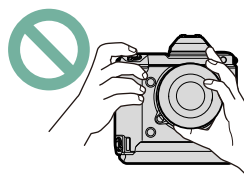


4 Ready the camera.

- Hold the camera steady with both hands and brace your elbows against your sides. Shaking or unsteady hands can blur your shots.



- To prevent pictures that are out of focus or too dark (underexposed), keep your fingers and other objects away from the lens and AF-assist illuminator.



5 Frame the picture.

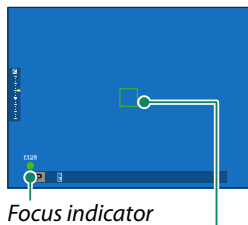
Lenses with Zoom Rings

Use the zoom ring to frame the picture in the display. Rotate the ring left to zoom out, right to zoom in.



6 Focus.

Press the shutter button halfway to focus.



- **If the camera is able to focus**, it will beep twice and focus frame and focus indicator will glow green.
- **If the camera is unable to focus**, the focus frame will turn red, **!AF** will be displayed, and the focus indicator will blink white.



- If the subject is poorly lit, the AF-assist illuminator may light to assist the focus operation.
- Focus and exposure will lock when the shutter button is pressed halfway. Focus and exposure remain locked while the button is kept in this position (AF/AE lock).
- The camera will focus on subjects at any distance in the macro and standard focus ranges for the lens.

7 Shoot.

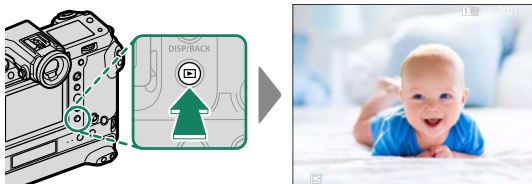
Smoothly press the shutter button the rest of the way down to take the picture.



Viewing Pictures

Pictures can be viewed in the viewfinder or LCD monitor.

To view pictures full frame, press .



Additional pictures can be viewed by pressing the focus stick (focus lever) left or right or rotating the front command dial. Press the focus stick or rotate the dial right to view pictures in the order recorded, left to view pictures in reverse order. Keep the focus stick pressed to scroll rapidly to the desired frame.



Pictures taken using other cameras are marked with a ("gift image") icon to warn that they may not display correctly and that playback zoom may not be available.

Two Memory Cards

If two memory cards are inserted, you can press and hold the button to choose a card for playback. You can also select a card using the **PLAY** **BACK MENU** > **SWITCH SLOT** option.



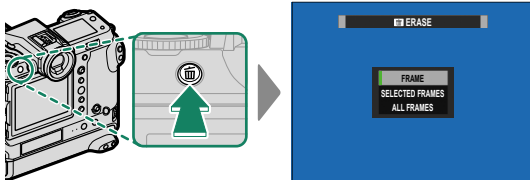
Deleting Pictures

Use the button to delete pictures.



Deleted pictures cannot be recovered. Protect important pictures or copy them to a computer or other storage device before proceeding.

- 1 With a picture displayed full frame, press the button and select **FRAME**.



- 2 Press the focus stick (focus lever) left or right to scroll through pictures and press **MENU/OK** to delete (a confirmation dialog is not displayed). Repeat to delete additional pictures.



- Protected pictures cannot be deleted. Remove protection from any pictures you wish to delete (184).
- Pictures can also be deleted from the menus using the **PLAY BACK MENU > ERASE** option (180).

Movie Recording and Playback

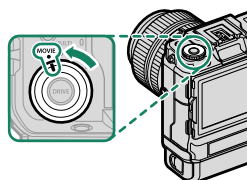
4



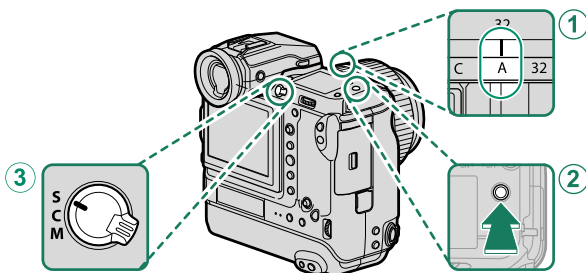
Recording Movies

This section describes how to film movies in auto mode.

- 1 Rotate the **DRIVE** mode dial to **MOVIE**.



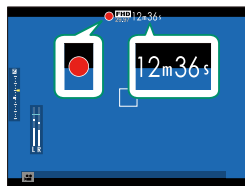
- 2 Adjust settings for program AE.




Setting		
① Aperture	A (auto)	68
② Shutter speed	Auto	68
③ Focus mode	S (single AF)	78


Press the button to which **SHOOTING MODE** is assigned (at default settings, the **Fn2** button) to switch between shutter speeds of auto and User-selected (manually selected shutter speed). This function can be assigned to a different button if desired (259).

- 3** Press the shutter button to start recording. A recording indicator (●) and the time remaining are displayed while recording is in progress.






- 4** Press the button again to end recording. Recording ends automatically when the maximum length is reached or the memory card is full.

-  • Sound is recorded via the built-in microphone or an optional external microphone. Do not cover the microphone during recording.
- Note that the microphone may pick up lens noise and other sounds made by the camera during recording.
- Vertical or horizontal streaks may appear in movies containing very bright subjects. This is normal and does not indicate a malfunction.

-  • **Indicator lamp 1 lights while recording is in progress.**
- Zoom can be adjusted using the zoom ring on the lens (if available).
- If the lens is equipped with an aperture ring, select the aperture mode before beginning recording. If an option other than **A** is selected, shutter speed and aperture can be adjusted while recording is in progress.
- During recording, you can change exposure compensation by up to ± 2 EV.
- Recording may be unavailable at some settings, while in other cases settings may not apply during recording.

Adjusting Movie Settings


- Frame size and rate can be selected using  **MOVIE SETTING** > **MOVIE MODE**.
- To choose the card used to store movies, use  **SAVE DATA SET-UP** > **SELECT SLOT**( **SEQUENTIAL**).
- Focus mode is selected using the focus mode selector; for continuous focus adjustment, select **C**, or choose **S** and enable Intelligent Face Detection. Intelligent Face Detection is not available in focus mode **M**.

Depth of Field

Choose low f-numbers to soften background details.

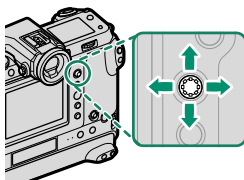
Viewing Movies

View movies on the camera.

In full-frame playback, movies are identified by a  icon. Press the focus stick (focus lever) down to start movie playback.




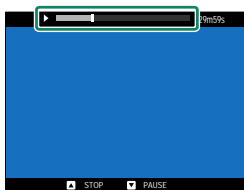
The following operations can be performed while a movie is displayed:




Focus stick (focus lever)	Full-frame playback	Playback in progress (▶)	Playback paused (⏸)
Up	—	End playback	
Down	Start playback	Pause playback	Start/resume playback
Left/right	View other pictures	Adjust speed	Single frame rewind/ advance

Progress is shown in the display during playback.

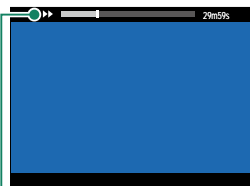
 Do not cover the speaker during playback.



 Press **MENU/OK** to pause playback and display volume controls. Press the focus stick (focus lever) up or down to adjust the volume; press **MENU/OK** again to resume playback. Volume can also be adjusted using **⏮ SOUND SET-UP > PLAYBACK VOLUME**.

Playback Speed

Press the focus stick (focus lever) left or right to adjust playback speed during playback. Speed is shown by the number of arrows (▶ or ◀).



Arrows

5

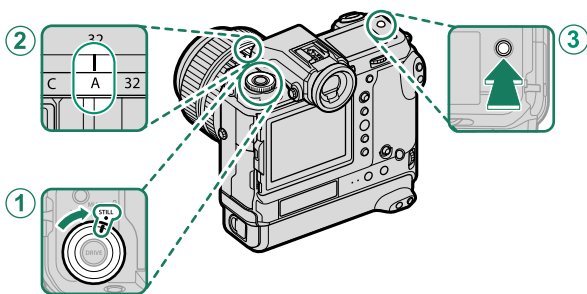
Taking Photographs

P, S, A, and M Modes

P, S, A, and M modes give you varying degrees of control over shutter speed and aperture.

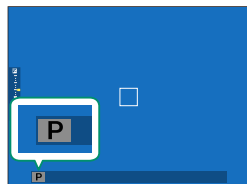
Mode P: Program AE

Let the camera choose shutter speed and aperture for optimal exposure. Other values that produce the same exposure can be selected with program shift.



Setting

① DRIVE mode dial	STILL
② Aperture	A (auto)
③ Shutter speed	Auto



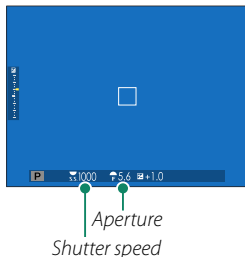
Confirm that **P** appears in the display.

❗ If the subject is outside the metering range of the camera, the shutter speed and aperture displays will show “— —”.

📄 Press the button to which **SHOOTING MODE** is assigned (at default settings, the **Fn2** button) to switch between shutter speeds of auto and User-selected (manually selected shutter speed). This function can be assigned to a different button if desired (📖 259).

Program Shift

If desired, you can rotate the rear command dial to select other combinations of shutter speed and aperture without altering exposure (program shift).



Program shift is not available in any of the following circumstances:

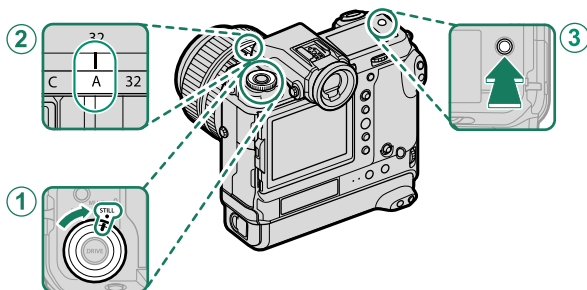
- With flash units that support TTL auto
- When an auto option is selected for **IMAGE QUALITY SETTING > DYNAMIC RANGE**
- In movie mode



To cancel program shift, turn the camera off.

Mode S: Shutter-Priority AE

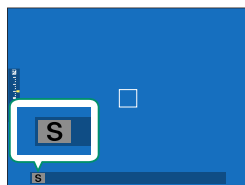
Choose a shutter speed and let the camera adjust aperture for optimal exposure.



Setting

① DRIVE mode dial	STILL
② Aperture	A (auto)
③ Shutter speed	User-selected

Confirm that **S** appears in the display.



- ❗ If the correct exposure cannot be achieved at the selected shutter speed, aperture will be displayed in red.
- If the subject is outside the metering range of the camera, the aperture display will show “— — —”.

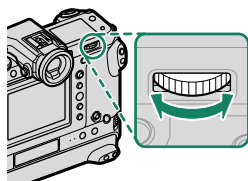


- Shutter speed can be adjusted while the shutter button is pressed halfway.
- Press the button to which **SHOOTING MODE** is assigned (at default settings, the **Fn2** button) to switch between shutter speeds of auto and User-selected (manually selected shutter speed). This function can be assigned to a different button if desired (📖 259).
- Shutter speed can be locked by pressing and holding the button to which **SHOOTING MODE** is assigned. To unlock shutter speed, press the button again.
- At shutter speeds slower than 1 second, a count-down timer will be displayed while the exposure is in progress.
- To reduce “noise” (mottling) in long time-exposures, select **ON** for **🔍 IMAGE QUALITY SETTING > LONG EXPOSURE NR.** Note that this may increase the time needed to record images after shooting.
- The picture will go out of focus if the camera is moved during a long time-exposure; use of a tripod is recommended.

Bulb (B)

Select a shutter speed of **B** (bulb) for long time-exposures in which you open and close the shutter manually. Use of a tripod is recommended to prevent the camera moving during the exposure.

1 Set shutter speed to **B**.



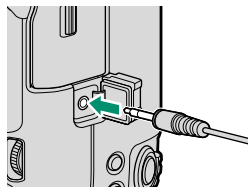
2 Press the shutter button all the way down. The shutter will remain open for up to 60 minutes while the shutter button is pressed; the display shows the time elapsed since the exposure started.



- Selecting an aperture of **A** fixes shutter speed at 30 s.
- To reduce “noise” (mottling) in long time-exposures, select **ON** for **IMAGE QUALITY SETTING > LONG EXPOSURE NR.** Note that this may increase the time needed to record images after shooting.

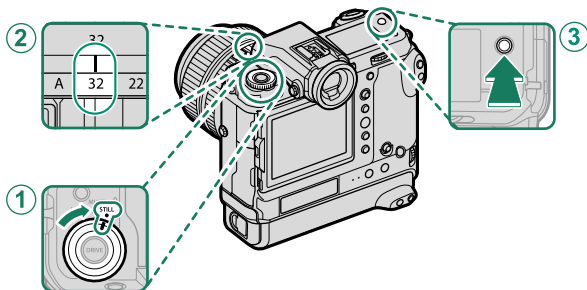
Using a Remote Release

A remote release can be used for long time-exposures. When using an optional RR-100 remote release or an electronic release from third-party suppliers, connect it to the camera's remote release connector.

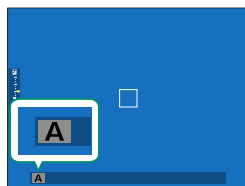


Mode A: Aperture-Priority AE

Choose an aperture and let the camera adjust shutter speed for optimal exposure.



Setting	
① DRIVE mode dial	STILL
② Aperture	User-selected
③ Shutter speed	Auto




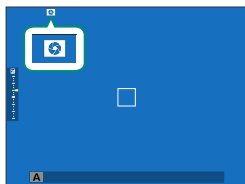
Confirm that **A** appears in the display.

- ❗ If the correct exposure cannot be achieved at the selected aperture, shutter speed will be displayed in red.
- If the subject is outside the metering range of the camera, the shutter speed display will show “— — —”.

- 📷 Aperture can be adjusted even while the shutter button is pressed halfway.
- Press the button to which **SHOOTING MODE** is assigned (at default settings, the **Fn2** button) to switch between shutter speeds of auto and User-selected (manually selected shutter speed). This function can be assigned to a different button if desired (📖 259).

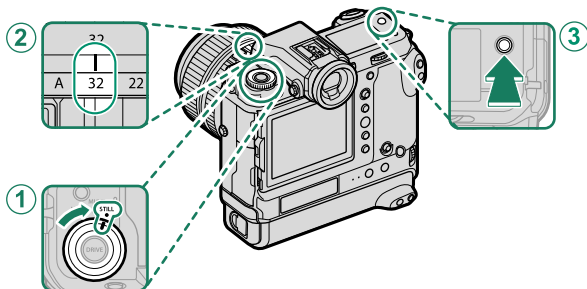
Previewing Depth of Field

When **PREVIEW DEPTH OF FIELD** is assigned to a function button, pressing the button displays a  icon and stops aperture down to the selected setting, allowing depth of field to be previewed in the display.



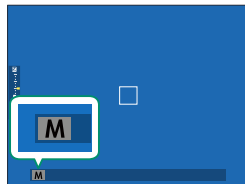
Mode M: Manual Exposure

In manual mode, the user controls both shutter speed and aperture. Shots can be deliberately overexposed (brighter) or underexposed (darker), opening the door for a variety of individual creative expression. The amount the picture would be under- or over-exposed at current settings is shown by the exposure indicator; adjust shutter speed and aperture until the desired exposure is reached.



Setting	
① DRIVE mode dial	STILL
② Aperture	User-selected
③ Shutter speed	User-selected

Confirm that **M** appears in the display.



- Press the button to which **SHOOTING MODE** is assigned (at default settings, the **Fn2** button) to switch between shutter speeds of auto and User-selected (manually selected shutter speed). This function can be assigned to a different button if desired (259).
- Shutter speed can be locked by pressing and holding the button to which **SHOOTING MODE** is assigned. To unlock shutter speed, press the button again.

Exposure Preview

To preview exposure in the LCD monitor, select an option other than **OFF** for  **SCREEN SET-UP > PREVIEW EXP./WB IN MANUAL MODE.**

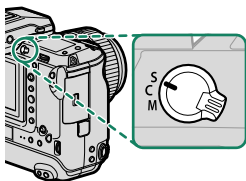


Select **OFF** when using the flash or on other occasions on which exposure may change when the picture is taken.

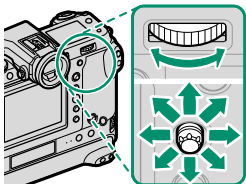
Autofocus

Take pictures using autofocus.

- 1 Rotate the focus mode selector to S or C (78).



- 2 Choose an AF mode (80).
- 3 Choose the position and size of the focus frame (82).



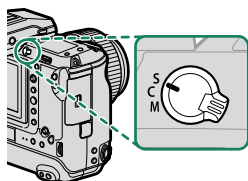
- 4 Take pictures.



For information on the autofocus system, visit:
<http://fujifilm-x.com/af/en/index.html>

Focus Mode

Use the focus mode selector to choose how the camera focuses.



Choose from the following options:

Mode	Description
S (AF-S)	Single AF: Focus locks while the shutter button is pressed halfway. Choose for stationary subjects.
C (AF-C)	Continuous AF: Focus is continually adjusted to reflect changes in the distance to the subject while the shutter button is pressed halfway. Use for subjects that are in motion.
M (manual)	Manual: Focus manually using the lens focus ring. Choose for manual control of focus or in situations in which the camera is unable to focus using autofocus (85).

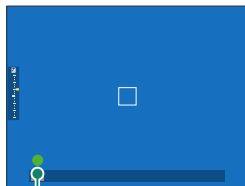


- Regardless of the option selected, manual focus will be used when the lens is in manual focus mode.
- If **ON** is selected for  **AF/MF SETTING > PRE-AF**, focus will be adjusted continuously in modes **S** and **C** even when the shutter button is not pressed.

The Focus Indicator

Focus status is shown by the focus indicator.

Focus indicator	Focus status
()	Camera focusing.
● (lights green)	Subject in focus; focus locked (focus mode S).
(●) (lights green)	Subject in focus (focus mode C).
○ (blinks white)	Focus is automatically adjusted for changes in distance to subject.
MF	Manual focus (focus mode M).

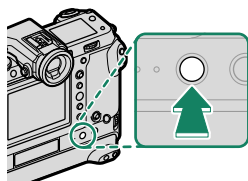


Focus indicator

Autofocus Options (AF Mode)

Choose how the camera focuses in modes **S** and **C**.

- 1 Press a function button (by default, **Fn5**) to display AF mode options.


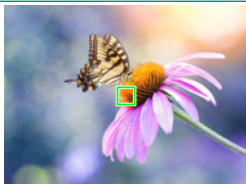

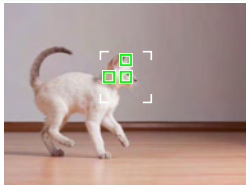



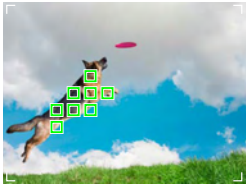




- 2 Choose an AF mode.

- The **Fn5** button can be assigned other roles using **FUNCTION/DIAL SETTING > FUNCTION (Fn) SETTING**. The role described above can also be assigned to other function buttons (259).
- AF mode can also be selected using **AF/MF SETTING > AF MODE**.




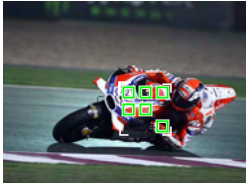

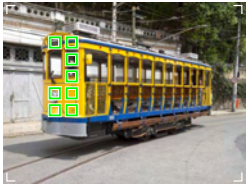




How the camera focuses depends on the focus mode.

Focus Mode **S** (AF-S)

Option	Description	Sample image
 SINGLE POINT	Camera focuses on subject in selected focus point. Use for pin-point focus on selected subject.	
 ZONE	Camera focuses on subject in selected focus zone. Focus zones include multiple focus points, making it easier to focus on subjects in motion.	

Option	Description	Sample image
 WIDE	Camera focuses automatically on high-contrast subjects; display shows areas in focus.	
 ALL	Rotate the rear command dial in the focus-point selection display (82, 83) to cycle through AF modes in the following order:  SINGLE POINT ,  ZONE , and  WIDE .	

Focus Mode C (AF-C)


Option	Description	Sample image
 SINGLE POINT	Focus tracks subject at selected focus point. Use for subjects moving toward or away from camera.	
 ZONE	Focus tracks subject in selected focus zone. Use for subjects that are moving fairly predictably.	
 TRACKING	Focus tracks subjects moving through wide area of frame.	
 ALL	Rotate the rear command dial in the focus-point selection display (82, 83) to cycle through AF modes in the following order:  SINGLE POINT ,  ZONE , and  TRACKING .	

Focus-Point Selection

Choose a focus point for autofocus.

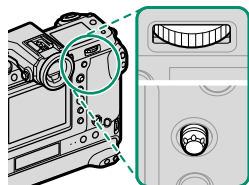
Viewing the Focus-Point Display








- 1 Press **MENU/OK** and go to the shooting menu.
- 2 Select **AF/MF SETTING > FOCUS AREA** to view the focus-point display.
- 3 Use the focus stick (focus lever) and rear command dial to choose a focus area.


 The focus point can also be selected using touch controls (p. 31).

Selecting a Focus Point

Use the focus stick (focus lever) to choose the focus point and the rear command dial to choose the size of the focus frame. The procedure varies with the option selected for AF mode.







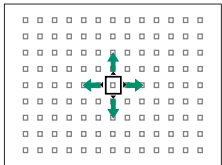
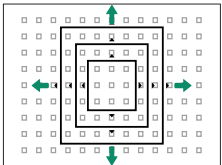
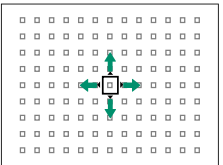
AF mode	Focus stick		Rear command dial	
	 Tilt	 Press	 Rotate	 Press
	Select focus point	Select center focus point	Choose from 6 frame sizes	Restore original size
			Choose from 3 frame sizes	
			—	

 Manual focus-point selection is not available when **WIDE/TRACKING** is selected in focus mode **S**.

The Focus-Point Display

The focus-point display varies with the option selected for AF mode.

 Focus frames are shown by small squares (□), focus zones by the large squares.

AF mode		
 SINGLE POINT	 ZONE	 WIDE/TRACKING
		
Number of points available can be selected using AF/MF SETTING > NUMBER OF FOCUS POINTS.	Choose from zones with 7×7 , 5×5 , or 3×3 focus points.	Position focus frame over subject you want to track.

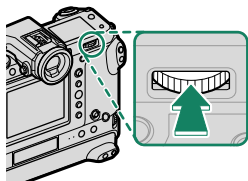
Autofocus

Although the camera boasts a high-precision autofocus system, it may be unable to focus on the subjects listed below.

- Very shiny subjects such as mirrors or car bodies.
- Subjects photographed through a window or other reflective object.
- Dark subjects and subjects that absorb rather than reflect light, such as hair or fur.
- Insubstantial subjects, such as smoke or flame.
- Subjects that show little contrast with the background.
- Subjects positioned in front of or behind a high-contrast object that is also in the focus frame (for example, a subject photographed against a backdrop of highly contrasting elements).

Checking Focus

To zoom in on the current focus area for precise focus, press the center of the rear command dial. Use the focus stick (focus lever) to choose another focus area. Press the center of the rear command dial again to cancel zoom.






Normal display



Focus zoom

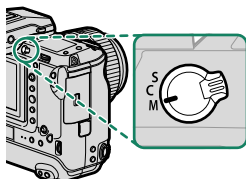


- In focus mode **S**, zoom can be adjusted by rotating the rear command dial.
- The focus stick can be used to select the focus area while zoom is in effect.
- In focus mode **S**, select  **SINGLE POINT** for **AF MODE**.
- Focus zoom is not available in focus mode **C** or when  **AF/MF SETTING** > **PRE-AF** is on.
- Use  **BUTTON/DIAL SETTING** > **FUNCTION (Fn) SETTING** to change the function performed by the center of the rear command dial. You can also assign its default function to other controls (📖 259).

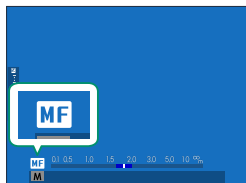
Manual Focus

Adjust focus manually.

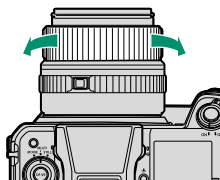
- 1 Rotate the focus mode selector to M.



MF will appear in the display.



- 2 Focus manually using the lens focus ring. Rotate the ring left to reduce the focus distance, right to increase.




- 3 Take pictures.



- Use **FUNCTION/DIAL SETTING > FOCUS RING** to reverse the direction of rotation of the focus ring.
- Regardless of the option selected, manual focus will be used when the lens is in manual focus mode.

Quick Focus

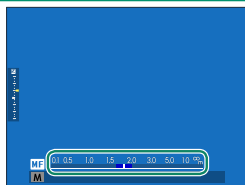
- To use autofocus to focus on the subject in the selected focus area, press the button to which focus lock or **AF-ON** has been assigned (the size of the focus area can be chosen with the rear command dial).
- In manual focus mode, you can use this feature to quickly focus on a chosen subject using either single or continuous AF according to the option chosen for  **AF/MF SETTING > INSTANT AF SETTING**.

Checking Focus

A variety of options are available for checking focus in manual focus mode.

The Manual Focus Indicator

The manual focus indicator indicates how closely the focus distance matches the distance to the subject in the focus brackets. The white line indicates the distance to the subject in the focus area (in meters or feet according to the option selected for **SCREEN SET-UP > FOCUS SCALE UNITS** in the setup menu), the blue bar the depth of field, or in other words the distance in front of and behind the subject that appears to be in focus.



Focus distance
(white line)



Depth of field



- If both **AF DISTANCE INDICATOR** and **MF DISTANCE INDICATOR** are selected in the **SCREEN SET-UP > DISP. CUSTOM SETTING** list, the manual focus indicator can also be viewed using the depth-of-field indicator in the standard display. Use the **DISP/BACK** button to display standard indicators.
- Use the **AF/MF SETTING > DEPTH-OF-FIELD SCALE** option to choose how depth of field is displayed. Choose **FILM FORMAT BASIS** to help you make practical assessments of depth of field for pictures that will be viewed as prints and the like, **PIXEL BASIS** to help you assess depth of field for pictures that will be viewed at high resolutions on computers or other electronic displays.

Focus Zoom

If **ON** is selected for **AF/MF SETTING > FOCUS CHECK**, the camera will automatically zoom in on the selected focus area when the focus ring is rotated. Press the center of the rear command dial to exit zoom.



- Use the focus stick (focus lever) to choose another focus area.
- If **STANDARD** or **FOCUS PEAK HIGHLIGHT** is selected for **AF/MF SETTING > MF ASSIST**, zoom can be adjusted by rotating the rear command dial. Zoom cannot be adjusted when **DIGITAL SPLIT IMAGE** or **DIGITAL MICROPRISM** is selected.

MF Assist

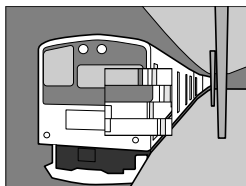
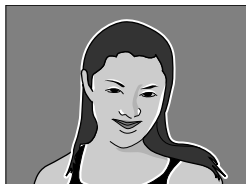
Use **AF/MF SETTING > MF ASSIST** to choose a focus check option.



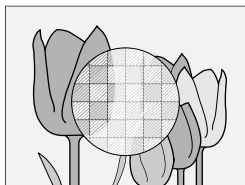
The **MF ASSIST** menu can be displayed by pressing and holding the center of the rear command dial.

The following options are available:

- **FOCUS PEAK HIGHLIGHT**: Highlights high-contrast outlines. Rotate the focus ring until the subject is highlighted.
- **DIGITAL SPLIT IMAGE**: Displays a split image in the center of the frame. Frame the subject in the split-image area and rotate the focus ring until the four parts of the split image are correctly aligned.



- **DIGITAL MICROPRISM:** A grid pattern that emphasizes blur is displayed when the subject is out of focus, disappearing to be replaced by a sharp image when the subject is in focus.





Sensitivity

Adjust the camera's sensitivity to light.

Set sensitivity using **SHOOTING SETTING > ISO**.

Option	Description
AUTO1 AUTO2 AUTO3	Sensitivity is automatically adjusted in response to shooting conditions according to combination of standard and maximum sensitivity and minimum shutter speed chosen for SHOOTING SETTING > ISO . Choose from AUTO1 , AUTO2 , and AUTO3 (📖 91).
12800–100	Adjust sensitivity manually. Selected value is shown in display.
H (102400/51200/25600), L (50)	Choose for special situations. Note that mottling may appear in pictures taken at H , while L reduces dynamic range.



- Sensitivity is not reset when the camera is turned off.
- If desired, you can use **BUTTON/DIAL SETTING > COMMAND DIAL SETTING** to configure the camera so that ISO sensitivity can be adjusted using the front or rear command dial.

Adjusting Sensitivity

High values can be used to reduce blur when lighting is poor, while lower values allow slower shutter speeds or wider apertures in bright light; note, however, that mottling may appear in pictures taken at high sensitivities.

AUTO

Choose the base sensitivity, maximum sensitivity, and minimum shutter speed for **AUTO1**, **AUTO2**, and **AUTO3**.

Item	Options	Default		
		AUTO1	AUTO2	AUTO3
DEFAULT SENSITIVITY	12800–100	100		
MAX. SENSITIVITY	12800–200	800	1600	3200
MIN. SHUTTER SPEED	$\frac{1}{500}$ – $\frac{1}{4}$ SEC, AUTO	$\frac{1}{60}$ SEC		

The camera automatically chooses a sensitivity between the default and maximum values; sensitivity is only raised above the default value if the shutter speed required for optimal exposure would be slower than the value selected for **MIN. SHUTTER SPEED**.



- If the value selected for **DEFAULT SENSITIVITY** is higher than that selected for **MAX. SENSITIVITY**, **DEFAULT SENSITIVITY** will be set to the value selected for **MAX. SENSITIVITY**.
- The camera may select shutter speeds slower than **MIN. SHUTTER SPEED** if pictures would still be underexposed at the value selected for **MAX. SENSITIVITY**.







Metering

Choose how the camera meters exposure.

SHOOTING SETTING > PHOTOMETRY offers a choice of the following metering options:


! The selected option will only take effect when **AF/MF SETTING > FACE/EYE DETECTION SETTING** is **OFF**.

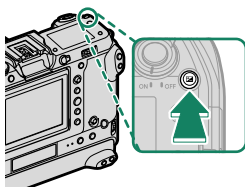
Mode	Description
 (multi)	The camera instantly determines exposure based on an analysis of composition, color, and brightness distribution. Recommended in most situations.
 (center-weighted)	The camera meters the entire frame but assigns the greatest weight to the area at the center.
 (spot)	The camera meters lighting conditions in an area at the center of the frame equivalent to 2% of the total. Recommended with backlit subjects and in other cases in which the background is much brighter or darker than the main subject.
 (average)	Exposure is set to the average for the entire frame. Provides consistent exposure across multiple shots with the same lighting, and is particularly effective for landscapes and portraits of subjects dressed in black or white.



Exposure Compensation

Adjust exposure.

Hold the  button and rotate the rear command dial until the desired value is displayed in the viewfinder or LCD monitor.



The amount of compensation available varies with the shooting mode.

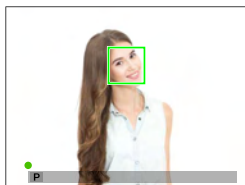
The Button

If **ON/OFF SWITCH** is selected for ** BUTTON/DIAL SETTING > EXPO. COMP. BUTTON SETTING**, exposure compensation can be set by pressing the  button once, rotating the rear command dial, and then pressing the  button again. Exposure compensation can be assigned to other controls using ** BUTTON/DIAL SETTING > FUNCTION (Fn) SETTING**.

Focus/Exposure Lock

Focus and exposure lock when the shutter button is pressed halfway.

- 1 Position the subject in the focus frame and press the shutter button halfway to lock focus and exposure. Focus and exposure will remain locked while the shutter button is pressed halfway (AF/AE lock).



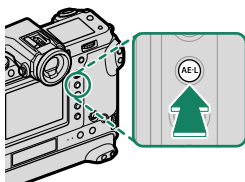
- 2 Press the button all the way down.



Focus lock using the shutter button is only available when **ON** is selected for **■ BUTTON/DIAL SETTING > SHUTTER AF, SHUTTER AE**.

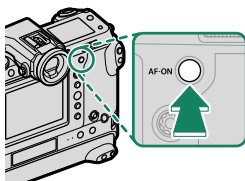
Other Controls

Focus and exposure can also be locked using function buttons. At default settings, you can use the **AE-L** button to lock exposure without locking focus. If the **AF-ON** button is assigned **AF LOCK ONLY** (📖 223, 256), it can similarly be used to lock focus without locking exposure.



AE-L button
(exposure lock)

- While the assigned control is pressed, pressing the shutter button halfway will not end the lock.
- If **AE&AF ON/OFF SWITCH** is selected for **🔧 BUTTON/DIAL SETTING > AE/AF-LOCK MODE**, the lock can only be ended by pressing the control a second time.



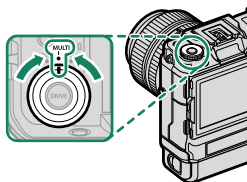
AF-ON button

🔧 Function buttons can be assigned other roles using **🔧 BUTTON/DIAL SETTING > FUNCTION (Fn) SETTING**. Exposure and focus lock can also be assigned to other function buttons (📖 259).

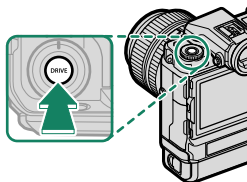
BKT Bracketing

Automatically vary settings over a series of pictures.

- 1 Rotate the **DRIVE** mode dial to **MULTI**.




- 2 Press the **DRIVE** button to display drive mode options.



- 3 Highlight the desired bracketing option using the focus stick and press **MENU/OK**.
- 4 Take photographs.

AE BKT

Use  **SHOOTING SETTING > AE BKT SETTING** to choose the bracketing amount, bracketing order, and number of shots. Each time the shutter button is pressed, the camera will take the specified number of shots: one using the metered value for exposure and the others over- or under-exposed by multiples of the selected bracketing amount.




Regardless of the bracketing amount, exposure will not exceed the limits of the exposure metering system.

ISO BKT

Select a bracketing amount ($\pm 1/3$, $\pm 2/3$, or ± 1) in the drive mode display. Each time the shutter is released, the camera will take a picture at the current sensitivity and process it to create two additional copies, one with sensitivity raised and the other with sensitivity lowered by the selected amount.

FILM SIMULATION BKT

Each time the shutter is released, the camera takes one shot and processes it to create copies with different film simulation settings, chosen using  **SHOOTING SETTING > FILM SIMULATION BKT**.

WB WHITE BALANCE BKT

Select a bracketing amount (± 1 , ± 2 , or ± 3) in the drive mode display. Each time the shutter is released, the camera takes one shot and processes it to create three copies: one at the current white balanced setting, one with fine-tuning increased by the selected amount, and another with fine-tuning decreased by the selected amount.

DR DYNAMIC RANGE BKT

Each time the shutter button is pressed, the camera takes three shots with different dynamic ranges: 100% for the first, 200% for the second, and 400% for the third.



While dynamic range bracketing is in effect, sensitivity will be restricted to a minimum of ISO 400; the sensitivity previously in effect is restored when bracketing ends.

FOCUS FOCUS BKT

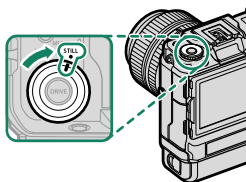
Each time the shutter button is pressed, the camera takes a series of photos, varying focus with each shot. The number of shots, the amount focus changes with each shot, and the interval between shots can be selected using **SHOOTING SETTING > FOCUS BKT**.



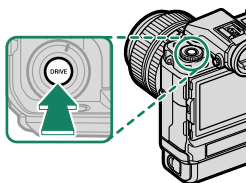
Continuous Shooting (Burst Mode)

Capture motion in a series of pictures.

- 1 Rotate the **DRIVE** mode dial to **STILL**.



- 2 Press the **DRIVE** button to display drive mode options.




- 3 If **CL LOW SPEED BURST** or **CH HIGH SPEED BURST** is selected, the camera will take pictures continuously while the shutter-release button is pressed.

Shooting ends when the shutter button is released or the memory card is full.



- If file numbering reaches 9999 before shooting is complete, the remaining pictures will be recorded to a new folder.
- Shooting ends when the memory card is full; the camera will record all photos shot to that point. Burst shooting may not begin if the space available on the memory card is insufficient.
- Frame rates may slow as more shots are taken.
- Frame rate varies with the scene, shutter speed, sensitivity, and focus mode.
- Depending on shooting conditions, frame rates may slow or the flash may not fire.
- Recording times may increase during burst shooting.

Exposure

To vary exposure with each shot, select **OFF** for  **BUTTON/DIAL SETTING > SHUTTER AE**.



Depending on such factors as aperture, sensitivity, and exposure compensation, exposure may not be adjusted automatically.

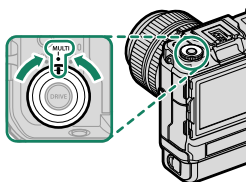


Multiple Exposures

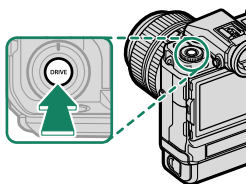
Create a photograph that combines two exposures.




- 1 Rotate the **DRIVE** mode dial to **MULTI**.



- 2 Press the **DRIVE** button to display drive mode options.

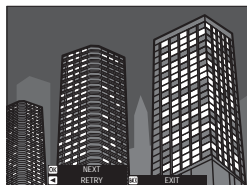


- 3 Select  **MULTIPLE EXPOSURE**.
- 4 Take the first shot.

- 5** Press **MENU/OK**. The first shot will be shown superimposed on the view through the lens and you will be prompted to take the second shot.



- To return to Step 4 and retake the first shot, press the focus stick (focus lever) left.
- To save the first shot and exit without creating a multiple exposure, press **DISP/BACK**.



- 6** Take the second shot, using the first frame as a guide.



- 7** Press **MENU/OK** to create the multiple exposure, or press the focus stick left to return to Step 6 and retake the second shot.



Multiple exposures cannot be recorded via tethered shooting (📖 244).

6

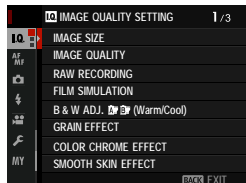
The Shooting Menus



IMAGE QUALITY SETTING

Adjust image quality settings.

To display image quality settings, press **MENU/OK** in the shooting display and select the **IQ** (IMAGE QUALITY SETTING) tab.



The options available vary with the shooting mode selected.

IMAGE SIZE

Choose the size and aspect ratio at which still pictures are recorded.

Option	Image size
L 4:3	11648 × 8736
L 3:2	11648 × 7768
L 16:9	11648 × 6552
L 1:1	8736 × 8736

Option	Image size
L 65:24	11648 × 4304
L 5:4	10928 × 8736
L 7:6	10192 × 8736

Option	Image size
M 4:3	8256 × 6192
M 3:2	8256 × 5504
M 16:9	8256 × 4640
M 1:1	6192 × 6192

Option	Image size
M 65:24	8256 × 3048
M 5:4	7744 × 6192
M 7:6	7232 × 6192

Option	Image size
S 4:3	4000 × 3000
S 3:2	4000 × 2664
S 16:9	4000 × 2248
S 1:1	2992 × 2992

Option	Image size
S 65:24	4000 × 1480
S 5:4	3744 × 3000
S 7:6	3504 × 3000



IMAGE SIZE is not reset when the camera is turned off or another shooting mode is selected.

IMAGE QUALITY

Choose a file format and compression ratio.

Option	Description
SUPER FINE	Very low compression ratios are used for maximum image quality.
FINE	Low compression ratios are used for higher-quality images.
NORMAL	Higher compression ratios are used to increase the number of images that can be stored.
SUPER FINE + RAW	Record both RAW and super-fine quality JPEG pictures.
FINE + RAW	Record both RAW and fine-quality JPEG images.
NORMAL + RAW	Record both RAW and normal-quality JPEG images.
RAW	Record RAW images only.

The Function Buttons

To toggle RAW image quality on or off for a single shot, assign **RAW** to a function button (259). Press the button once to select the option in the right column, again to return to the original setting (left column).

Option currently selected for IMAGE QUALITY	Option selected by pressing function button to which RAW is assigned
SUPER FINE	SUPER FINE + RAW
FINE	FINE + RAW
NORMAL	NORMAL + RAW
SUPER FINE + RAW	SUPER FINE
FINE + RAW	FINE
NORMAL + RAW	NORMAL
RAW	FINE

RAW RECORDING

Choose whether to compress RAW images.

RECORDING TYPE

Option	Description
UNCOMPRESSED	RAW images are not compressed.
LOSSLESS COMPRESSED	RAW images are compressed using a reversible algorithm that reduces file size with no loss of image data. The images can be viewed in Capture One Express Fujifilm (📖 298), RAW FILE CONVERTER EX (📖 298), FUJIFILM X RAW STUDIO (📖 299), or other software that supports “lossless” RAW compression.












OUTPUT DEPTH(bit)

Option	Description
16bit	RAW pictures are recorded at a bit depth of 16 bits.
14bit	RAW pictures are recorded at a bit depth of 14 bits.


 When selected, **16bit** only takes effect in single-frame drive mode.

FILM SIMULATION



Simulate the effects of different kinds of film, including black-and-white (with or without color filters). Choose a palette according to your subject and creative intent.

Option	Description
 PROVIA/STANDARD	Standard color reproduction. Suited to a wide range of subjects, from portraits to landscapes.
 Velvia/VIVID	A high-contrast palette of saturated colors, suited to nature photos.
 ASTIA/SOFT	Enhances the range of hues available for skin tones in portraits while preserving the bright blues of daylight skies. Recommended for outdoor portrait photography.
 CLASSIC CHROME	Soft color and enhanced shadow contrast for a calm look.
 PRO Neg. Hi	Offers slightly more contrast than  PRO Neg. Std. Recommended for outdoor portrait photography.
 PRO Neg. Std	A soft-toned palette. The range of hues available for skin tones is enhanced, making this a good choice for studio portrait photography.
 ETERNA/CINEMA	Film movies using a palette that features subdued colors and deep shadows.
 ACROS*	Take black-and-white photos with rich gradation and outstanding sharpness.
 MONOCHROME*	Take pictures in standard black and white.
 SEPIA	Take pictures in sepia.

* Available with yellow (**Ye**), red (**R**), and green (**G**) filters, which deepen shades of gray corresponding to hues complementary to the selected color. The yellow (**Ye**) filter deepens purples and blues and the red (**R**) filter blues and greens. The green (**G**) filter deepens reds and browns, including skin tones, making it a good choice for portraits.

-  Film simulation options can be combined with tone and sharpness settings.
- Film simulation settings can also be accessed via shortcuts (250).
- For more information, visit:
<http://fujifilm-x.com/en/x-stories/the-world-of-film-simulation-episode-1/>

B & W ADJ. (Warm/Cool)

Add a reddish or bluish tinge (warm or cool color cast) to monochrome pictures taken with the  **ACROS** or  **MONOCHROME** film simulation.

Option	Description
+9 — +1	Higher positive values equate to a redder color cast.
0	Normal monochrome (grayscale).
-1 — -9	Lower negative values equate to a bluer color cast.

GRAIN EFFECT

Add a film grain effect. Select an amount (**STRONG** or **WEAK**) or choose **OFF** to turn film grain off.

Options		
STRONG	WEAK	OFF

COLOR CHROME EFFECT

Deepen colors in shadows. Select an amount (**STRONG** or **WEAK**) or choose **OFF** to turn the effect off.

Options		
STRONG	WEAK	OFF

SMOOTH SKIN EFFECT

Smooth complexions.

Options		
STRONG	WEAK	OFF

DYNAMIC RANGE





Control contrast. Choose lower values to increase contrast when shooting indoors or under overcast skies, higher values to reduce loss of detail in highlights when photographing high-contrast scenes. Higher values are recommended for scenes that include both sunlight and deep shade, for such high-contrast subjects as sunlight on water, brightly-lit autumn leaves, and portraits taken against a blue sky, and for white objects or people wearing white.

Options			
AUTO	 100%	 200%	 400%



Mottling may appear in pictures taken at higher values. Choose a value according to the scene.



- If **AUTO** is selected, the camera will automatically choose either  **100%** or  **200%** according to the subject and shooting conditions. Shutter speed and aperture will be displayed when the shutter button is pressed halfway.
-  **200%** is available at sensitivities of from ISO 200 to ISO 12800,  **400%** at sensitivities of from ISO 400 to 12800.

D RANGE PRIORITY

Reduce loss of detail in highlights and shadows for natural-looking results when photographing high-contrast scenes.










Option	Description
AUTO	Contrast is adjusted automatically in response to lighting conditions.
STRONG	Adjust dynamic range by a large amount for very high-contrast scenes.
WEAK	Adjust dynamic range by a smaller amount for moderately high-contrast scenes.
OFF	Contrast reduction off.




- **WEAK** is available at sensitivities of from ISO 200 to ISO 12800, **STRONG** at sensitivities of from ISO 400 to 12800.
- When an option other than **OFF** is selected, **HIGHLIGHT TONE**, **SHADOW TONE**, and **DYNAMIC RANGE** will be adjusted automatically; if you wish to adjust these settings manually, choose **OFF**.

WHITE BALANCE

For natural colors, choose a white balance option that matches the light source.

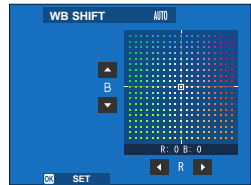
Option	Description
AUTO	White balance is adjusted automatically.
 W1/W2/W3	Measure a value for white balance.
 K	Choose a color temperature.
	For subjects in direct sunlight.
	For subjects in the shade.
	Use under “daylight” fluorescent lights.
	Use under “warm white” fluorescent lights.
	Use under “cool white” fluorescent lights.
	Use under incandescent lighting.
	Reduces the blue cast typically associated with underwater lighting.



- In conditions in which **AUTO** fails to produce the desired results—for example, under certain types of lighting or in close-ups of portrait subjects—use custom white balance or choose a white balance option suited to the light source.
- White balance is adjusted for flash lighting only in **AUTO** and  modes. Turn the flash off using other white balance options.
- White balance options can also be accessed via shortcuts (📖 250).

Fine-Tuning White Balance

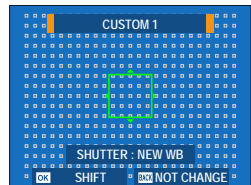
Pressing **MENU/OK** after selecting a white balance option displays a fine-tuning dialog; use the focus stick (focus lever) to fine-tune white balance.



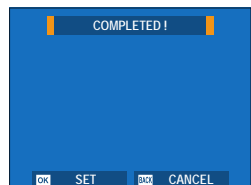
- To exit without fine-tuning white balance, press **DISP/BACK** after selecting a white balance option.
- The focus stick (focus lever) does not tilt diagonally.

Custom White Balance

Choose **Q1**, **Q2**, or **Q3** to adjust white balance for unusual lighting conditions using a white object as a reference (colored objects can also be used to lend photos a color cast). A white balance target will be displayed; position and size the target so that it is filled by the reference object and press the shutter button all the way down to measure white balance (to select the most recent custom value and exit without measuring white balance, press **DISP/BACK**, or press **MENU/OK** to select the most recent value and display the fine-tuning dialog).

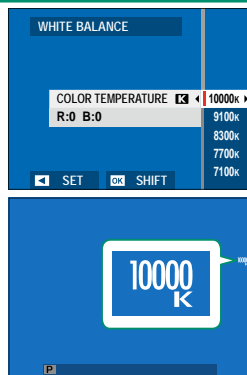


- If **"COMPLETED!"** is displayed, press **MENU/OK** to set white balance to the measured value.
- If **"UNDER"** is displayed, raise exposure compensation and try again.
- If **"OVER"** is displayed, lower exposure compensation and try again.



K: Color Temperature

Selecting **K** in the white balance menu displays a list of color temperatures; highlight a color temperature and press **MENU/OK** to select the highlighted option and display a fine-tuning dialog, then highlight the desired value and press **MENU/OK** again. The selected color temperature will be shown in the display.



Color Temperature

Color temperature is an objective measure of the color of a light source, expressed in Kelvin (K). Light sources with a color temperature close to that of direct sunlight appear white; light sources with a lower color temperature have a yellow or red cast, while those with a higher color temperature are tinged with blue. You can match color temperature to the light source, or choose options that differ sharply from the color of the light source to make pictures “warmer” or “colder.”

HIGHLIGHT TONE

Adjust the appearance of highlights.

Options						
+4	+3	+2	+1	0	-1	-2

SHADOW TONE

Adjust the appearance of shadows.

Options						
+4	+3	+2	+1	0	-1	-2

COLOR

Adjust color density.

Options								
+4	+3	+2	+1	0	-1	-2	-3	-4

SHARPNESS

Sharpen or soften outlines.

Options								
+4	+3	+2	+1	0	-1	-2	-3	-4

NOISE REDUCTION

Reduce noise in pictures taken at high sensitivities.

Options								
+4	+3	+2	+1	0	-1	-2	-3	-4

LONG EXPOSURE NR

Select **ON** to reduce mottling in long time-exposures.

Options	
ON	OFF

LENS MODULATION OPTIMIZER

Select **ON** to improve definition by adjusting for diffraction and the slight loss of focus at the periphery of the lens.

Options	
ON	OFF


COLOR SPACE

Choose the gamut of colors available for color reproduction.

Option	Description
sRGB	Recommended in most situations.
Adobe RGB	For commercial printing.

PIXEL MAPPING

Use this option if you notice bright spots in your pictures.

- 1 Press **MENU/OK** in the shooting display and select the  **IMAGE QUALITY SETTING** tab.
- 2 Highlight **PIXEL MAPPING** and press **MENU/OK** to perform pixel mapping.



- Results are not guaranteed.
- Be sure the battery is fully charged before beginning pixel mapping.
- Pixel mapping is not available when the camera temperature is elevated.
- Processing may take a few seconds.

SELECT CUSTOM SETTING

Settings can be recalled from any of the seven custom settings banks.

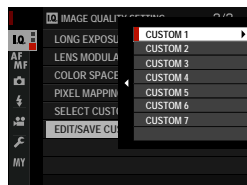
Banks			
CUSTOM 1	CUSTOM 2	CUSTOM 3	CUSTOM 4
CUSTOM 5		CUSTOM 6	CUSTOM 7

EDIT/SAVE CUSTOM SETTING

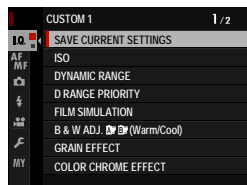
Save up to 7 sets of custom camera settings for commonly-encountered situations. Saved settings can be recalled using **Q IMAGE QUALITY SETTING > SELECT CUSTOM SETTING**.

- 1 Press **MENU/OK** in shooting mode to display the shooting menu. Select the **Q IMAGE QUALITY SETTING** tab, then highlight **EDIT/SAVE CUSTOM SETTING** and press **MENU/OK**.

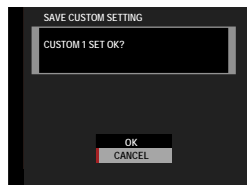
- 2 Highlight a custom settings bank and press **MENU/OK** to select.



- 3 Adjust the following as desired:
 - ISO
 - DYNAMIC RANGE
 - D RANGE PRIORITY
 - FILM SIMULATION
 - B & W ADJ. **A B**
 - GRAIN EFFECT
 - COLOR CHROME EFFECT
 - **SMOOTH SKIN EFFECT**
 - WHITE BALANCE
 - HIGHLIGHT TONE
 - SHADOW TONE
 - COLOR
 - SHARPNESS
 - NOISE REDUCTION



- 4 Press **DISP/BACK**. A confirmation dialog will be displayed; highlight **OK** and press **MENU/OK**.



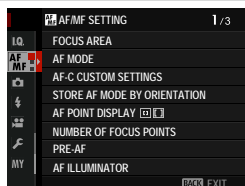
- To store current camera settings in the selected bank, highlight **SAVE CURRENT SETTINGS** in Step 3 and press **MENU/OK**.
- To restore default settings for the current bank, select **RESET**.
- Banks can be renamed using **EDIT CUSTOM NAME**.



AF/MF SETTING

Adjust focus settings.

To display focus settings, press **MENU/OK** in the shooting display and select the **AF/MF** (AF/MF SETTING) tab.












The options available vary with the shooting mode selected.

FOCUS AREA

Choose the focus area for autofocus, manual focus, and focus zoom.

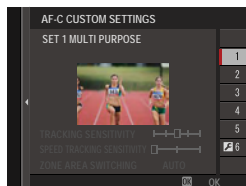
AF MODE

Choose the AF mode for focus modes **S** and **C**.

Option	Description
 SINGLE POINT	<p>The camera focuses on the subject in the selected focus point. The number of focus points available can be selected using  AF/MF SETTING > NUMBER OF FOCUS POINTS. Use for pin-point focus on a selected subject.</p>
 ZONE	<p>The camera focuses on the subject in the selected focus zone. Focus zones include multiple focus points, making it easier to focus on subjects that are in motion.</p>
 WIDE/TRACKING	<ul style="list-style-type: none"> • In focus mode S, the camera automatically focuses on high-contrast subjects; the areas in focus are shown in the display. • In focus mode C, the camera tracks focus on the subject in the selected focus point while the shutter button is pressed halfway. <p>The camera may be unable to focus on small objects or subjects that are moving rapidly.</p>
 ALL	<p>Rotate the rear command dial in the focus-point selection display ( 82, 83) to cycle through AF modes in the following order:  SINGLE POINT,  ZONE, and  WIDE/TRACKING.</p>

AF-C CUSTOM SETTINGS

Select focus-tracking options for focus mode C. Choose from Sets 1–5 according to your subject or select Set 6 for custom focus-tracking options.



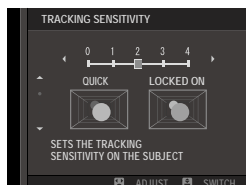
Option	Description
SET 1 MULTI PURPOSE	A standard tracking option that works well with the typical range of moving subjects.
SET 2 IGNORE OBSTACLES & CONTINUE TO TRACK SUBJECT	The focus system attempts to track the chosen subject. Choose with subjects that are hard to keep in the focus area or if other objects are likely to enter the focus area with the subject.
SET 3 FOR ACCELERATING/ DECELERATING SUBJECT	The focus system attempts to compensate for subject acceleration or deceleration. Choose for subjects prone to rapid changes in velocity.
SET 4 FOR SUDDENLY APPEARING SUBJECT	The focus system attempts to focus quickly on subjects entering the focus area. Choose for subjects that appear abruptly or when rapidly switching subjects.
SET 5 FOR ERRATICALLY MOVING & ACCEL./DECEL. SUBJECT	Choose for hard-to-track subjects prone not only to sudden changes in velocity but also to large movements front to back and left to right.
SET 6 CUSTOM	Adjust TRACKING SENSITIVITY , SPEED TRACKING SENSITIVITY , and ZONE AREA SWITCHING to suit your preferences based on the values for Sets 1–5 (122, 124).

Focus Tracking Options

The individual parameters that are part of a focus tracking set are described below.

TRACKING SENSITIVITY

This parameter determines how long the camera waits to switch focus when an object enters the focus area behind or in front of the current subject. The higher the value, the longer the camera will wait.



Options

0

1

2

3

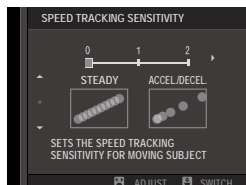
4



- The higher the value, the longer it takes the camera to refocus when you attempt to switch subjects.
- The lower the value, the more likely the camera is to switch focus from your subject to other objects in the focus area.

SPEED TRACKING SENSITIVITY

This parameter determines how sensitive the tracking system is to changes in subject velocity. The higher the value, the greater the precision with which the system attempts to respond to sudden movement.



Options

0

1

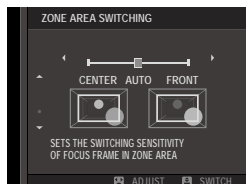
2



- The higher the value, the more difficulty the camera will have focusing in situations in which autofocus does not perform well, such as when the subject is highly reflective or low in contrast.

ZONE AREA SWITCHING

This parameter determines the focus area given priority in zone AF.



Option	Description
FRONT	Zone AF assigns priority to the subjects closest to the camera.
AUTO	The camera locks focus on the subject at the center of the zone and then switches focus areas as necessary to track it.
CENTER	Zone AF assigns priority to subjects in the center of the zone.

This option takes effect only when **ZONE** is selected for AF mode.

Set Values

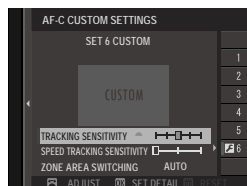
Parameter values for the different sets are listed below.


	TRACKING SENSITIVITY	SPEED TRACKING SENSITIVITY	ZONE AREA SWITCHING
SET 1	2	0	AUTO
SET 2	3	0	CENTER
SET 3	2	2	AUTO
SET 4	0	1	FRONT
SET 5	3	2	AUTO

Custom Focus Tracking Options

Follow the steps below to adjust settings for Set 6.

- 1 Select **AF-C CUSTOM SETTINGS > SET 6 CUSTOM**.



- 2 Highlight items using the focus stick (focus lever) and rotate the front command dial to change. To reset settings to their original values, press .
- 3 Press **DISP/BACK** when settings are complete.

STORE AF MODE BY ORIENTATION

Choose whether the focus mode and focus area used when the camera is in portrait orientation are stored separately from those used when the camera is in landscape orientation.

Option	Description
OFF	The same settings are used in both orientations.
FOCUS AREA ONLY	The focus area for each orientation can be selected separately.
ON	The focus mode and focus area can be selected separately.

AF POINT DISPLAY

Choose whether individual focus frames are displayed when **ZONE** or **WIDE/TRACKING** is selected for **AF/MF SETTING > AF MODE**.

Options	
ON	OFF

NUMBER OF FOCUS POINTS


Choose the number of focus points available for focus-point selection in manual focus mode or when **SINGLE POINT** is selected for **AF MODE**.

Option	Description
117 POINTS (9 × 13)	Choose from 117 focus points arranged in a 9- by 13-point grid.
425 POINTS (17 × 25)	Choose from 425 focus points arranged in a 17- by 25-point grid.

PRE-AF

If **ON** is selected, the camera will continue to adjust focus even when the shutter button is not pressed halfway. The camera adjusts focus continuously, allowing it to focus faster when the shutter button is pressed halfway. Choosing this option helps prevent missed shots.


Options	
ON	OFF

 Choosing **ON** increases the drain on the battery.

AF ILLUMINATOR

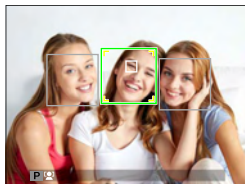
If **ON** is selected, the AF-assist illuminator will light to assist autofocus.

Options	
ON	OFF

-  • The camera may be unable to focus using the AF-assist illuminator in some cases.
- If the camera is unable to focus, try increasing the distance to the subject.
 - Avoid shining the AF-assist illuminator directly into your subject's eyes.

FACE/EYE DETECTION SETTING

Intelligent Face Detection sets focus and exposure for human faces anywhere in the frame, preventing the camera from focusing on the background in group portraits. Choose for shots that emphasize portrait subjects. You can also choose whether the camera detects and focuses on either the left or right eye when Intelligent Face Detection is on.



Option	Description
FACE DETECTION ON	<p>Adjust settings for Intelligent Face Detection. You can also adjust eye detection settings.</p> <ul style="list-style-type: none"> • EYE OFF: Intelligent Face Detection only. • EYE AUTO: The camera automatically chooses which eye to focus on when a face is detected. • RIGHT EYE PRIORITY: The camera focuses on the right eye of subjects detected using Intelligent Face Detection. • LEFT EYE PRIORITY: The camera focuses on the left eye of subjects detected using Intelligent Face Detection.
OFF	Intelligent Face Detection and eye priority off.



- If the subject moves as the shutter button is pressed, the face may not be in the area indicated by the green border when the picture is taken.
- In some modes, the camera may set exposure for the frame as a whole rather than the portrait subject.




- The face selected by the camera is indicated by a green border. Any other faces detected by the camera are indicated by gray borders. To have the camera focus on a different subject, tap inside the gray border. The icon will change from white to green.
- You can also switch subjects by pressing the function button to which **FACE SELECT** is assigned and then using the focus stick (focus lever) or (during viewfinder photography) touch controls (225).
- To switch from face detection to manual focus-area selection, press the center of the focus stick (focus lever). Press again to re-enable face detection.
- If the selected subject leaves the frame, the camera will wait a set time for its return and consequently the green frame may sometimes appear in locations where no face is seen.
- You cannot switch subjects during burst photography.
- Depending on shooting conditions, face selection may be suspended at the close of burst shooting.
- Faces can be detected with the camera in vertical or horizontal orientation.
- If the camera is unable to detect the subject's eyes because they are hidden by hair, glasses, or other objects, the camera will instead focus on faces.
- Face/eye detection options can also be accessed via shortcuts (250).

AF+MF

If **ON** is selected in focus mode **S** and focus has been locked (whether by pressing the shutter button halfway or by other means), focus lock can be ended and focus adjusted manually by rotating the focus ring.

Options	
ON	OFF
 • Lenses with a focus distance indicator must be set to manual focus mode (MF) before this option can be used. Selecting MF disables the focus distance indicator.	
• If the lens is equipped with a focus distance indicator, set the focus ring to the center, as the camera may fail to focus if the ring is set to infinity or the minimum focus distance.	
 Standard and focus peaking MF assist options are supported.	

AF + MF Focus Zoom

When **ON** is selected for  **AF/MF SETTING > FOCUS CHECK** and **SINGLE POINT** selected for **AF MODE**, focus zoom can be used to zoom in on the selected focus area. The zoom ratio can be selected using the rear command dial.

MF ASSIST

Choose how focus is displayed in manual focus mode.

Option	Description
STANDARD	Focus is displayed normally (focus peaking, digital split image, and digital micropism are not available).
DIGITAL SPLIT IMAGE	Displays a black-and-white (MONOCHROME) or color (COLOR) split image in the center of the frame. Frame the subject in the split-image area and rotate the focus ring until the four parts of the split image are correctly aligned.
DIGITAL MICROPRISM	A grid pattern that emphasizes blur is displayed when the subject is out of focus, disappearing to be replaced by a sharp image when the subject is in focus.
FOCUS PEAK HIGHLIGHT	The camera heightens high-contrast outlines. Choose a color and peaking level.



You can also choose MF assist options by holding the center of the rear command dial.

FOCUS CHECK

If **ON** is selected, the display will automatically zoom in on the selected focus area when the focus ring is rotated in manual focus mode.

Options	
ON	OFF



- Pressing the center of the rear command dial cancels focus zoom.
- The zoom position is centered on the current focus area and changes when the focus area is changed.

INTERLOCK SPOT AE & FOCUS AREA

Select **ON** to meter the current focus frame when **SINGLE POINT** is selected for **AF MODE** and **SPOT** is selected for **PHOTOMETRY**.

Options	
ON	OFF

INSTANT AF SETTING

Choose whether the camera focuses using single AF (**AF-S**) or continuous AF (**AF-C**) when a button to which focus lock or **AF-ON** is assigned is pressed in manual focus mode.

Options	
AF-S	AF-C

DEPTH-OF-FIELD SCALE

Choose **FILM FORMAT BASIS** to help you make practical assessments of depth of field for pictures that will be viewed as prints and the like, **PIXEL BASIS** to help you assess depth of field for pictures that will be viewed at high resolutions on computers or other electronic displays.

Options	
PIXEL BASIS	FILM FORMAT BASIS

RELEASE/FOCUS PRIORITY






Choose how the camera focuses in focus mode **AF-S** or **AF-C**.

Option	Description
RELEASE	Shutter response is prioritized over focus. Pictures can be taken when the camera is not in focus.
FOCUS	Focus is prioritized over shutter response. Pictures can be only taken when the camera is in focus.




TOUCH SCREEN MODE

Choose the shooting operations performed using touch controls.

Still Photography

Mode	Description
 AF   AF OFF	<ul style="list-style-type: none">• In focus mode S (AF-S), the camera focuses when you tap your subject in the display. Focus locks at the current distance until you tap the AF OFF icon.• In focus mode C (AF-C), the camera initiates focus when you tap your subject display. The camera will continue to adjust focus for changes in the distance to the subject until you tap the AF OFF icon.• In manual focus mode (MF), you can tap the display to focus on the selected subject using autofocus.
 AREA	Tap to select a point for focus or zoom. The focus frame will move to the selected point.
 OFF	Touch focus disabled.

Movie Recording

Mode	Description
 AF	<p>Tapping the display focuses the camera on the selected point. <i>Use the shutter button to start and stop recording.</i></p> <ul style="list-style-type: none"> In focus mode S (AF-S), you can refocus at any time by tapping your subject in the display. In focus mode C (AF-C), the camera will continuously adjust focus for changes in the distance to the subject at point selected by tapping the display. In manual focus mode (MF), the camera will focus using auto-focus when you tap the display; during recording, you can tap the display again to move the focus area to a new location.
 AREA	<p>Tap to position the focus area. <i>Use the shutter button to start and stop recording.</i></p> <ul style="list-style-type: none"> In focus mode S (AF-S), you can reposition the focus area at any time by tapping your subject in the display. To focus, use the button to which AF-ON is assigned. In focus mode C (AF-C), the camera will continuously adjust focus for changes in the distance to the subject at point selected by tapping the display. In manual focus mode (MF), you can tap the display to position the focus area over your subject.
 OFF	<p>Touch focus disabled.</p>



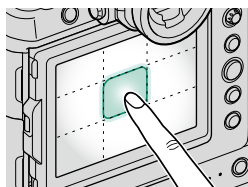
To disable touch controls and hide the touch screen mode indicator, select **OFF** for **2 BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > TOUCH SCREEN SETTING**.

Touch Controls for Focus Zoom

Different touch controls are used during focus zoom (focus check enabled).

Central Area

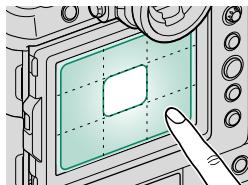
Tapping the center of the display performs the operations below.



Mode	Still Photography	Movie Recording
AF	AF-S: AF	AF-S: AF
	MF: Instant AF	MF: Instant AF
AREA	AF-S: AF	AF-S: AF
	MF: Instant AF	MF: Instant AF
OFF	AF-S/MF: OFF	AF-S/MF: OFF

Other Areas


Tapping other areas simply scrolls the display, whether during still photography or movie recording and regardless of the option selected for touch screen mode.





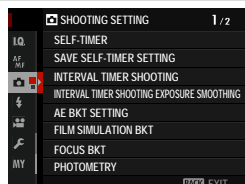
SHOOTING SETTING

Adjust shooting options.

To display shooting options, press **MENU/OK** in the shooting display and select the  (**SHOOTING SETTING**) tab.





The options available vary with the shooting mode selected.



ELF-TIMER

Choose a shutter release delay.

Option	Description
 2 SEC	The shutter is released two seconds after the shutter button is pressed. Use to reduce blur caused by the camera moving when the shutter button is pressed. The self-timer lamp blinks as the timer counts down.
 10 SEC	The shutter is released ten seconds after the shutter button is pressed. Use for photographs in which you wish to appear yourself. The self-timer lamp blinks immediately before the picture is taken.
OFF	Self-timer off.

If an option other than **OFF** is selected, the timer will start when the shutter button is pressed all the way down. The display shows the number of seconds remaining until the shutter is released. To stop the timer before the picture is taken, press **DISP/BACK**.



- Stand behind the camera when using the shutter button. Standing in front of the lens can interfere with focus and exposure.
- The self-timer turns off automatically when the camera is turned off.


SAVE SELF-TIMER SETTING

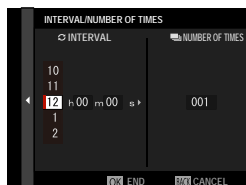
If **ON** is selected, the chosen self-timer setting will remain in effect after a picture is taken or the camera is turned off.

Options	
ON	OFF

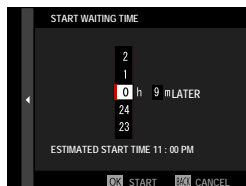
INTERVAL TIMER SHOOTING

Configure the camera to take photos automatically at a preset interval.

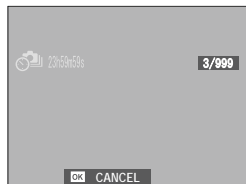
- 1 Highlight **INTERVAL TIMER SHOOTING** in the  (**SHOOTING SETTING**) tab and press **MENU/OK**.





- 2 Use the focus stick (focus lever) to choose the interval and number of shots. Press **MENU/OK** to proceed.



- 3 Use the focus stick to choose the starting time and then press **MENU/OK**. Shooting will start automatically.




 Interval timer photography cannot be used at a shutter speed of **B** (bulb) or with multiple exposure photography. In burst mode, only one picture will be taken each time the shutter is released.

-  • Use of a tripod is recommended.
- We recommend using an [AC-15V](#) AC power adapter.
- The display turns off between shots and lights a few seconds before the next shot is taken.
- The display can be activated at any time by pressing the shutter button.
- To continue shooting until the number of shots taken equals the number of exposures remaining at the time interval-timer photography started, set the number of shots to ∞ .

INTERVAL TIMER SHOOTING EXPOSURE SMOOTHING

Select **ON** to automatically adjust exposure during interval-timer photography to prevent it changing dramatically between shots.

Options	
ON	OFF

-  • Large changes in subject brightness may make exposure appear erratic. We recommend that you choose shorter values for **INTERVAL TIMER SHOOTING > INTERVAL** with subjects that brighten or dim dramatically during shooting.
- In manual mode (mode **M**), exposure smoothing is only available if an **AUTO** option is selected for **ISO**.

AE BKT SETTING

Adjust exposure bracketing settings.

Option	Description
FRAMES/STEP SETTING	Choose the number of shots in the bracketing sequence and the amount exposure is varied with each shot. <ul style="list-style-type: none"> • FRAMES: Choose the number of shots in the bracketing sequence. • STEP: Choose the amount exposure is varied with each shot.
1 FRAME/CONTINUOUS	<ul style="list-style-type: none"> • 1 FRAME: The shots in the bracketing sequence are taken one at a time. • CONTINUOUS: The shots in the bracketing sequence are taken in a single burst.
SEQUENCE SETTING	Choose the order in which the shots are taken.

FILM SIMULATION BKT

Choose the three film simulation types used for film simulation bracketing (📖 107).


Options		
 PROVIA/STANDARD	 Velvia/VIVID	 ASTIA/SOFT
 CLASSIC CHROME	 PRO Neg. Hi	 PRO Neg. Std
 ETERNA/CINEMA	 ACROS*	 MONOCHROME*
 SEPIA		

* Available with yellow (**Ye**), red (**R**), and green (**G**) filters.

FOCUS BKT

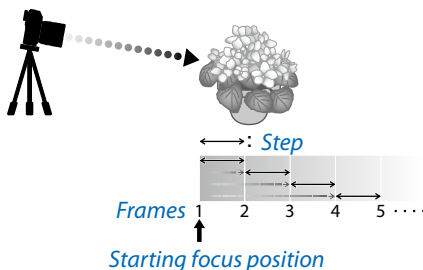
Adjust focus bracketing settings.

Option	Description
FRAMES	Choose the number of shots.
STEP	Choose the amount focus changes with each shot.
INTERVAL	Choose the interval between shots.

 Do not adjust zoom during shooting.

Focus and FRAMES/STEP

The relation between focus and the options chosen for **FRAMES** and **STEP** is shown in the illustration.







- Focus proceeds from the starting position toward infinity.
- Small **STEP** values translate to small changes in focus, larger values to larger changes.
- Regardless of the option chosen for **FRAMES**, shooting ends when focus reaches infinity.

PHOTOMETRY

Choose how the camera meters exposure.

 The selected option will only take effect when  **AF/MF SETTING** > **FACE/EYE DETECTION SETTING** is **OFF**.


Mode	Description
 (multi)	The camera instantly determines exposure based on an analysis of composition, color, and brightness distribution. Recommended in most situations.
 (center-weighted)	The camera meters the entire frame but assigns the greatest weight to the area at the center.
 (spot)	The camera meters lighting conditions in an area at the center of the frame equivalent to 2% of the total. Recommended with backlit subjects and in other cases in which the background is much brighter or darker than the main subject.
 (average)	Exposure is set to the average for the entire frame. Provides consistent exposure across multiple shots with the same lighting, and is particularly effective for landscapes and portraits of subjects dressed in black or white.


SHUTTER TYPE

Choose the shutter type. Choose the electronic shutter to mute the shutter sound.

Option	Description
MS MECHANICAL SHUTTER	Take pictures with the mechanical shutter.
ES ELECTRONIC SHUTTER	Take pictures with the electronic shutter.
EF E-FRONT CURTAIN SHUTTER	The camera chooses the mechanical or electronic front curtain shutter according to shooting conditions.
ME MECHANICAL + ELECTRONIC	The camera chooses the mechanical or electronic shutter according to shooting conditions.
EF_E E-FRONT + ELECTRONIC	The camera chooses the mechanical, electronic, or electronic front curtain shutter according to shooting conditions.


If **EF E-FRONT CURTAIN SHUTTER** is selected, **MS MECHANICAL SHUTTER** will automatically take effect at high shutter speeds.

-  • When using the electronic shutter, note the following:
 - Distortion may be visible in shots of moving subjects.
 - Distortion may also be visible in hand-held shots taken at high shutter speeds; use of a tripod is recommended.
 - Banding and fog may occur in shots taken under fluorescent lights or other flickering or erratic illumination.
 - When taking pictures with the shutter muted (📖 204), respect your subjects' image rights and right to privacy.
- When using the electronic front-curtain shutter, note the following:
 - Faster shutter speeds are more likely to result in uneven exposure and loss of resolution in out-of-focus areas of the frame.

-  The following restrictions apply when the electronic shutter is used:
 - Sensitivity is restricted to values of ISO 12800–100
 - Long exposure noise reduction has no effect
 - The flash cannot be used

FLICKER REDUCTION


Select **ON** to reduce flicker in pictures and the display when shooting under fluorescent lighting and other similar light sources.

Options	
ON	OFF
 • Enabling flicker reduction disables the electronic shutter and increases the time needed to record pictures. • Flicker reduction is not available during movie recording.	

ISO

Adjust the camera's sensitivity to light.

Option	Description
AUTO1 AUTO2 AUTO3	Sensitivity is automatically adjusted in response to shooting conditions.
12800–100 H (102400)	Adjust sensitivity manually. Selected value is shown in display.
H (51200) H (25600) L (50)	Choose for special situations. Note that mottling may appear in pictures taken at H , while L reduces dynamic range.


 Sensitivity is not reset when the camera is turned off.

Adjusting Sensitivity

High values can be used to reduce blur when lighting is poor, while lower values allow slower shutter speeds or wider apertures in bright light; note, however, that mottling may appear in pictures taken at high sensitivities.

IS MODE

Reduce blur.

Option	Description
CONTINUOUS	Image stabilization on.
SHOOTING ONLY	Image stabilization enabled only when the shutter button is pressed halfway (focus mode C) or the shutter is released.
OFF	Image stabilization off;  appears in the display. Choose when the camera is mounted on a tripod or otherwise fixed in place.



- The setting selected with the lens image stabilization switch, if any, takes priority over the setting chosen with **IS MODE**.
- Note that vibration or camera sounds may be noticeable as image stabilization takes effect.

MOUNT ADAPTER SETTING

Adjust settings for lenses attached via a mount adapter.

Shutter Select

When using lenses with an internal shutter, choose whether to use the shutter on the camera (**BODY**) or the lens (**LENS**).

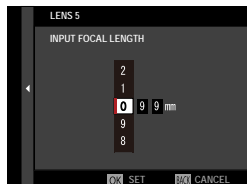
⚠ This option may have no effect with some lenses.

Saved Settings

Store settings for up to 6 lenses, or choose **OFF** to disable corrections for focal length, distortion, color shading, and peripheral illumination.

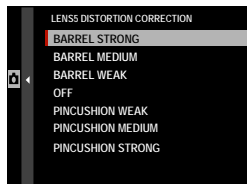
Choosing a Focal Length

Use the focus stick (focus lever) to enter the focal length.



Distortion Correction

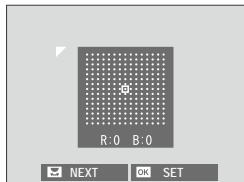
Choose from **STRONG**, **MEDIUM**, or **WEAK** options to correct **BARREL** or **PINCUSHION** distortion.




Color Shading Correction

Color (shading) variations between the center and edges of the frame can be adjusted separately for each corner.

To use color shading correction, follow the steps below.

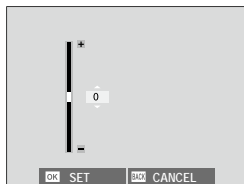


- 1 Rotate the rear command dial to choose a corner. The selected corner is indicated by a triangle.
- 2 Use the focus stick (focus lever) to adjust shading until there is no visible difference in color between the selected corner and the center of the image.
 - Press the focus stick left or right to adjust colors on the cyan–red axis.
 - Press the focus stick up or down to adjust colors on the blue–yellow axis.

 To determine the amount required, adjust color shading correction while taking photos of blue sky or a sheet of gray paper.


Peripheral Illumination Correction

Choose from values between –5 and +5. Choosing positive values increases peripheral illumination, while choosing negative values reduces peripheral illumination. Positive values are recommended for vintage lenses, negative values to create the effect of images taken with an antique lens or a pinhole camera.






 To determine the amount required, adjust peripheral illumination correction while taking photos of blue sky or a sheet of gray paper.

35mm FORMAT MODE

Enabling  **SHOOTING SETTING > 35mm FORMAT MODE** in the shooting menu sets the picture angle to 35 mm; the change is reflected in the display.



Option	Description
ON	The picture angle is set to 35 mm; the change is reflected in the display.
OFF	35 mm format mode disabled.
AUTO	35 mm format mode is enabled automatically when a mount adapter that supports automatic detection is attached.

- The  **SCREEN SET-UP > DISP. CUSTOM SETTING** item in the setup menu (📖 24, 211) includes an option (enabled by default) for displaying a **35mm FORMAT MODE** icon.
- The  **IMAGE QUALITY SETTING > IMAGE SIZE** item in the shooting menu is fixed at  **3:2**.

WIRELESS COMMUNICATION

Connect to smartphones running the latest version of the FUJIFILM Camera Remote app. The smartphone can then be used to:

- Control the camera and take pictures remotely
- Receive pictures uploaded from the camera
- Browse the pictures on the camera and download selected pictures
- Upload location data to the camera





For downloads and other information, visit:

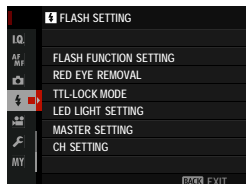
http://app.fujifilm-dsc.com/en/camera_remote/

FLASH SETTING

Adjust flash-related settings.


To display flash-related settings, press **MENU/OK** in the shooting display and select the  (**FLASH SETTING**) tab.

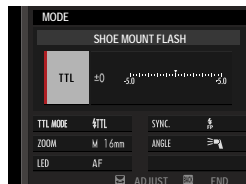
 The options available vary with the shooting mode selected.



FLASH FUNCTION SETTING

Choose a flash control mode, flash mode, or sync mode or adjust the flash level. The options available vary with the flash.


 For more information on flash settings, see “External Flash Units” (p. 270) in “Peripherals and Optional Accessories”.



RED EYE REMOVAL

Remove red-eye effects caused by the flash.

Option	Description
FLASH+REMOVAL	A red-eye reduction pre-flash is combined with digital red-eye removal.
FLASH	Flash red-eye reduction only.
REMOVAL	Digital red-eye removal only.
OFF	Flash red-eye reduction and digital red-eye removal off.

-  Flash red-eye reduction can be used in TTL flash control mode.
- Digital red-eye removal is performed only when a face is detected.
- Digital red-eye removal is not available with RAW images.

TTL-LOCK MODE

Instead of adjusting flash level with each shot, TTL flash control can be locked for consistent results across a series of photographs.

Option	Description
LOCK WITH LAST FLASH	Flash output is locked at the value metered for the most recent photo.
LOCK WITH METERING FLASH	The camera emits a series of pre-flashes and locks flash output at the metered value.



- To use TTL lock, assign **TTL-LOCK** to a camera control and then use the control to enable or disable TTL lock (📖 259).
- Flash compensation can be adjusted while TTL lock is in effect.
- Selecting **LOCK WITH LAST FLASH** displays an error message if no previously metered value exists.

LED LIGHT SETTING

Choose whether to use the flash unit's LED video light (if available) as a catchlight or AF-assist illuminator when taking photos.

Option	Role of LED video light in still photography
CATCHLIGHT	Catchlight
AF ASSIST	AF-assist illuminator
AF ASSIST+CATCHLIGHT	AF-assist illuminator and catchlight
OFF	None



In some cases, this option can also be accessed via the **FLASH FUNCTION SETTING** menu.

MASTER SETTING

Choose a flash group (A, B, or C) for the flash mounted on the camera hot shoe when it functions as a master flash controlling remote flash units via Fujifilm wireless optical flash control, or choose **OFF** to limit master flash output to a level that does not affect the final picture.

Options			
Gr A	Gr B	Gr C	OFF



In some cases, this option can also be accessed via the **FLASH FUNCTION SETTING** menu.

CH SETTING

Choose the channel used for communication between the master flash and remote flash units when using Fujifilm optical wireless flash control. Separate channels can be used for different flash systems or to prevent interference when multiple systems are operating in close proximity.

Options			
CH1	CH2	CH3	CH4



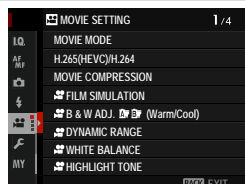
MOVIE SETTING

Adjust movie-recording options.

To display options for movie recording, press **MENU/OK** in the shooting display and select the **MOVIE SETTING** tab.

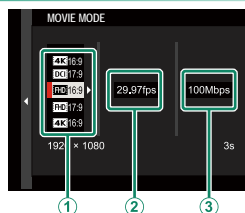


The options available vary with the shooting mode selected.



MOVIE MODE

Before shooting movies, choose the frame rate, bit rate, and frame size and aspect ratio.



- 1 In the shooting menu, select **MOVIE SETTING**, then highlight **MOVIE MODE** and press **MENU/OK**.
- 2 Press the focus stick (focus lever) up or down to highlight the desired frame size and aspect ratio (①) and press the stick right.
 - Choose **4K 16:9** or **DCI 17:9** for 4K movies with aspect ratios of 16 or 17 to 9.
 - Choose **FHD 16:9** or **FHD 17:9** for Full HD movies with aspect ratios of 16 or 17 to 9.

- 3 Press the focus stick (focus lever) up or down to highlight a frame rate (2) and press the stick right.

Options					
59.94P	50P	29.97P	25P	24P	23.98P

- 4 Press the focus stick up or down to highlight a bit rate (3) and press **MENU/OK**.

Options			
400Mbps	200Mbps	100Mbps	50Mbps



The choice of frame and bit rates varies with the movie mode.

H.265(HEVC)/H.264

Choose a codec for movie recording.

Option	Description
H.265(HEVC)	Use for higher quality footage with a high compression ratio. Movies can be viewed only on devices that support H.265 (HEVC).
H.264	Movies filmed using this widely-supported codec can be viewed on a variety of devices.











MOVIE COMPRESSION

Choose type of compression used to record movies.



Option	Description
ALL-Intra	Each frame is compressed separately. Files are larger, but the fact that the data for each frame are saved separately makes this a good choice for footage that will be further processed.
Long GOP	Balances good image quality with high compression. Files are smaller, making this a good choice for longer movies.

FILM SIMULATION

Choose a film simulation effect for movie recording.

Option	Description
 PROVIA/STANDARD	See "FILM SIMULATION" (📖 107).
 Velvia/VIVID	
 ASTIA/SOFT	
 CLASSIC CHROME	
 PRO Neg. Hi	
 PRO Neg. Std	
 ETERNA/CINEMA	
 ACROS	
 MONOCHROME	
 SEPIA	

B & W ADJ. (Warm/Cool)

Add a reddish or bluish tinge (warm or cool color cast) to monochrome pictures taken with the  **ACROS** or  **MONOCHROME** film simulation.

Option	Description
+9 — +1	Higher positive values equate to a redder color cast.
0	Normal monochrome (grayscale).
-1 — -9	Lower negative values equate to a bluer color cast.

DYNAMIC RANGE

Choose a dynamic range for movie recording.

Option	Description
100 100%	See "DYNAMIC RANGE" (📖 110).
200 200%	
400 400%	



- Auto dynamic range adjustment (**AUTO**) is not supported.
- 200 200% is available at sensitivities of from ISO 400 to ISO 12800, 400 400% at sensitivities of from ISO 800 to 12800.
- The **MOVIE SETTING** > **DYNAMIC RANGE** option is available when is selected for **MOVIE SETTING** > **F-Log/HLG RECORDING**.

WHITE BALANCE

Adjust white balance for movie recording.

Option	Description
AUTO	See "WHITE BALANCE" (📖 112).
1 / 2 / 3	
K	
Sun	
Cloud	
Shade	
Tungsten	
Fluorescent	
LED	
Custom	

HIGHLIGHT TONE

Choose how the camera records highlights when shooting movies.

Options						
+4	+3	+2	+1	0	-1	-2

SHADOW TONE

Choose how the camera records shadows when shooting movies.

Options						
+4	+3	+2	+1	0	-1	-2

COLOR

Adjust color density for movie recording.

Options								
+4	+3	+2	+1	0	−1	−2	−3	−4

SHARPNESS

Sharpen or soften outlines in movies.

Options								
+4	+3	+2	+1	0	-1	-2	-3	-4

NOISE REDUCTION

Reduce noise in movies shot at high sensitivities.

Options								
+4	+3	+2	+1	0	-1	-2	-3	-4

INTERFRAME NR

Select **ON** to enable interframe noise reduction.















Options	
ON	OFF



- Interframe noise reduction is available only when frame rates of **29.97P** or slower are selected at a frame size of **4K** or **DCI**.
- “Ghosting” may occur with moving subjects or if the camera is moved during shooting.

F-Log/HLG RECORDING


Choose the destination for F-Log and HLG (Hybrid Log-Gamma) movies shot while the camera is connected to an HDMI device.

Option	Description
   	The footage is processed using film simulation and both saved to the memory card and output to the HDMI device.
 F-Log  F-Log	The footage is recorded to the memory card and output to the HDMI device in F-Log format.
   F-Log	The footage is output to the HDMI device in F-Log format but saved to the memory card with film simulation applied.
 F-Log  	The footage is recorded to the memory card in F-Log format but output to the HDMI device with film simulation applied.
 HLG  HLG	The footage is recorded to the memory card and output to the HDMI device in HLG format.

-  F-Log offers a gentle gamma curve with a wide gamut suitable for further processing post-production. Sensitivity is restricted to values between ISO 800 and ISO 12800.
- The **HLG** (Hybrid Log-Gamma) recording format conforms to the international ITU-R BT2100 standard. When viewed on HLG-compatible displays, high-quality HLG footage faithfully captures high-contrast scenes and vivid colors. Sensitivity is restricted to values between ISO 1250 and ISO 12800. HLG recording is available when **H.265 (HEVC)** is selected for **MOVIE SETTING > H.265 (HEVC)/H.264** in the shooting menu.
- Film simulation () footage is recorded using the option selected for **MOVIE SETTING > FILM SIMULATION** in the shooting menu.
- Footage shot with   **F-Log** or  **F-Log**  cannot be recorded to the memory card and output to the HDMI at different frame sizes (4K, Full HD). In addition, the following **MOVIE SETTING** options are unavailable:
 - MOVIE MODE** frame rate options of **59.94P** and **50P**
 - 4K INTERFRAME NR**
 - HDMI OUTPUT INFO DISPLAY**

PERIPHERAL LIGHT CORRECTION

Select **ON** to enable peripheral illumination correction during movie recording.

Options	
ON	OFF
 <ul style="list-style-type: none"> If ON is selected when a lens that does not transmit data to the camera is attached using a FUJIFILM M MOUNT ADAPTER (available separately), peripheral illumination will be adjusted according to the option selected for SHOOTING SETTING > MOUNT ADAPTER SETTING > PERIPHERAL ILLUMINATION CORRECTION in the shooting menu (📖 145). Select OFF if you notice banding in movies recorded using this option. 	

FOCUS AREA

Choose the focus area for movies shot using autofocus. You can also choose the focus area (and consequently also the focus zoom position) for movies shot using manual focus.

MOVIE AF MODE

Choose how the camera selects the focus point for movie recording.

Option	Description
MULTI	Automatic focus-point selection.
AREA	The camera focuses on the subject in the selected focus area.

AF-C CUSTOM SETTING

Select focus-tracking options when recording movies in focus mode **C**.

TRACKING SENSITIVITY

Choose how long the camera waits to switch focus when an object enters the focus area behind or in front of the current subject. See “TRACKING SENSITIVITY” (📖 122).

Options				
0	1	2	3	4

AF SPEED

Adjust the autofocus response speed.

Options										
-5	-4	-3	-2	-1	0	+1	+2	+3	+4	+5