

**FUJIFILM**

DIGITAL FILMMAKING CAMERA

**GFX ETERNA 55**

**FF250002**

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:

*<https://fujifilm-dsc.com/en/manual/>*



The website 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:

*<https://fujifilm-x.com/support/download/firmware/cameras/>*



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## Menu List

Camera menu options are listed below.


### HOME

This menu is assigned to the screen buttons on the **HOME** display.

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### USER

This menu is assigned to the screen buttons on the **USER** display.

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### PLAY

This menu is displayed when you press **SETTING** (Screen button 5) on the **PLAY** display.

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## MENU

These menus are displayed when you press **MENU**.

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## Supplied Accessories

The following are included with the camera:

- NP-W235 rechargeable battery



For reasons of safety, the battery is not charged at shipment. The camera will not function if the battery is not charged; be sure to charge the battery before use (📖 32).

- AC-15VS AC power adapter
- AC cable
- Body cap (comes attached to camera)
- Handle
- Hot shoe cover (for connector protection, comes attached to handle)
- LCD monitor
- LCD monitor hood
- LCD attachment
- LCD cable terminal covers (× 3) (for connector protection, comes attached to camera, two spares)
- PL-mount adapter
- PL-mount cap (comes attached to PL-mount adapter)
- Lens rear cap (comes attached to PL-mount adapter)
- PL-mount adapter cover
- Shim (set)
- Hex wrench (set)



For information on compatible computer software, see “Software and Services for Use with Your Camera” (📖 206).



## About This Manual

This manual contains instructions for your FUJIFILM GFX ETERNA 55 digital filmmaking 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, SDXC, and CFexpress Type B memory cards the camera uses to store files are referred to as “memory cards”. Smartphones and tablets are referred to as “smartphones”.

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

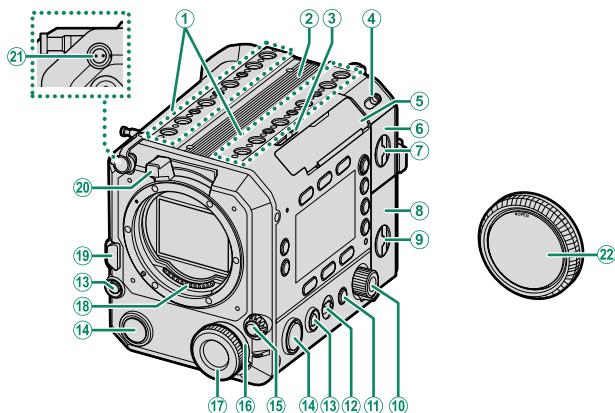
# Before You Begin



# Parts of the Camera

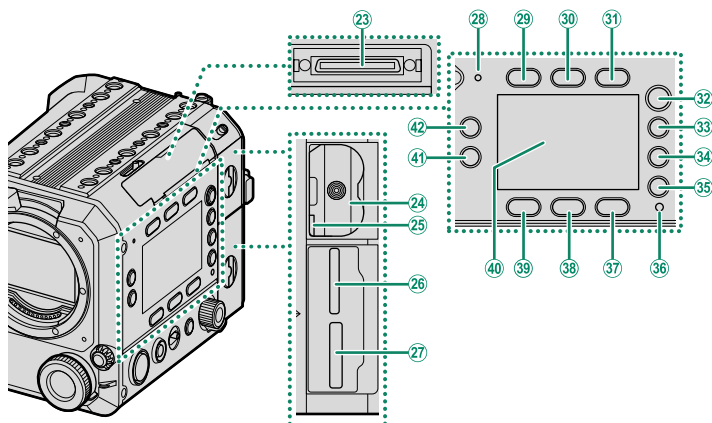
## Camera Body

### Top/Front/Inside



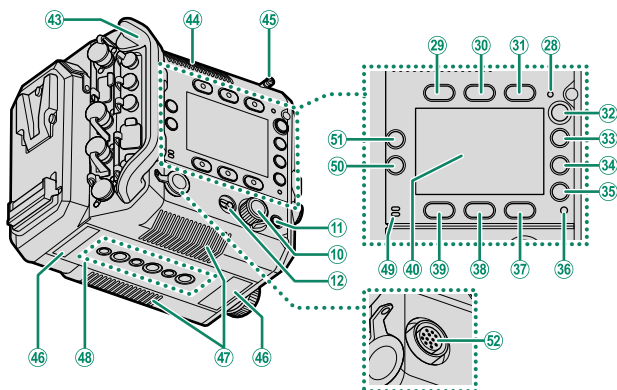
- |   |   |
|---|---|
| ① Accessory mounting screw holes ..... 17, 54         | ⑫ Lock switch ..... 15                  |
| ② Handle attachment mount ..... 52                    | ⑬ <b>GRAB</b> button ..... 13           |
| ③ LCD cable release lever ..... 55                    | ⑭ <b>REC</b> button ..... 13            |
| ④ ON/OFF switch ..... 56                              | ⑮ Focus mode selector ..... 13          |
| ⑤ LCD cable connector cover (detachable) ..... 19, 54 | ⑯ Multi-function selector dial ..... 14 |
| ⑥ Battery-chamber cover ..... 32                      | ⑰ Multi-function dial ..... 14          |
| ⑦ Battery-chamber cover latch ..... 32                | ⑱ Lens signal contacts                  |
| ⑧ Memory card slot cover ..... 39                     | ⑲ Lens release button ..... 46          |
| ⑨ Memory card slot cover latch ..... 39               | ⑳ Lens lock lever ..... 45, 47          |
| ⑩ Selector dial ..... 11                              | ㉑ DC OUT 12V connector ..... 197        |
| ⑪ <b>BACK</b> button ..... 11                         | ㉒ Body cap                              |

## Top/Front/Inside (Continued)



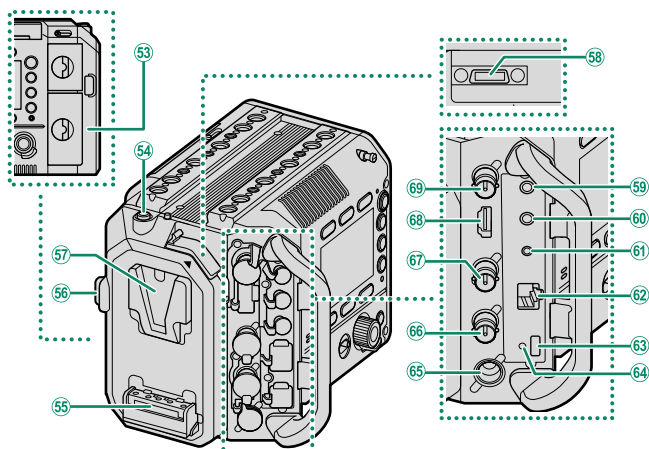
23	LCD cable connector.....	54	32	<b>HOME</b> button.....	9
24	Battery chamber.....	32	33	<b>USER</b> button.....	9
25	Battery latch.....	35	34	<b>PLAY</b> button.....	9
26	Memory card slot 2 (for SD memory cards).....	39	35	<b>MENU</b> button.....	9
27	Memory card slot 1 (for CFexpress Type B cards).....	39	36	Indicator lamp.....	16, 176
28	Microphone.....	62	37	Screen button 6.....	10, 76
29	Screen button 1.....	10, 70	38	Screen button 5.....	10, 74
30	Screen button 2.....	10, 71	39	Screen button 4.....	10, 73
31	Screen button 3.....	10, 72	40	Side monitor.....	8
			41	<b>Fn2</b> button.....	181
			42	<b>Fn1</b> button.....	181

## Outside/Bottom



- |                                 |  |
|---------------------------------|--|
| ④③ Cable protector (detachable) | ④⑧ Tripod plate attachment holes..... 17 |
| ④④ Exhaust vent..... 20         | ④⑨ Speaker..... 64, 96                   |
| ④⑤ Measure hook..... 20         | ⑤① Fn4 button..... 181                   |
| ④⑥ Serial number plate..... 25  | ⑤② Fn3 button..... 181                   |
| ④⑦ Air intakes..... 20          | ⑤③ LENS Connector (12-pin)..... 196      |

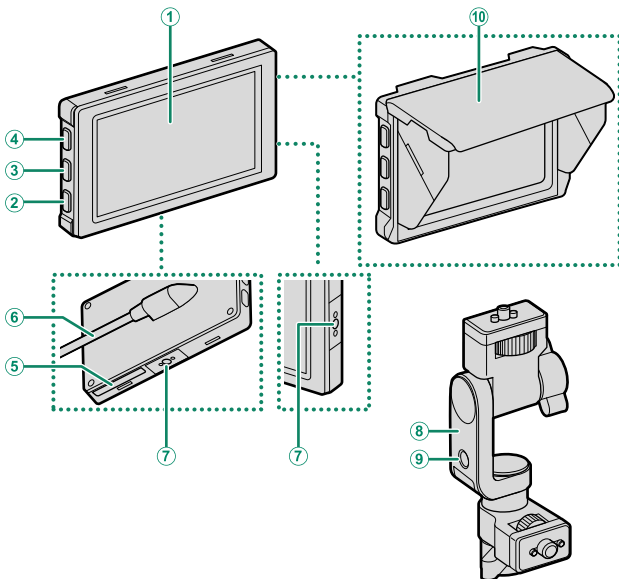
# Back



53	Wi-Fi antenna (internal).....	21	62	LAN connector.....	102
54	Release button.....	53	63	USB connector (Type-C)	
55	V-mount battery attachment terminal		64	Hole to screw USB cable	
	.....	198	65	DC IN connector.....	37
56	V-mount battery release button .....	198	66	GENLOCK connector (BNC type)	
57	V-mount battery attachment mount			.....	130, 197
	.....	198	67	TC IN/TC OUT connector (BNC type)	
58	Handle connection terminal.....	52		.....	147, 196
59	Microphone connector (ø 3.5 mm).....	63	68	HDMI OUT connector (Type A) .....	196
60	Headphone jack (ø 3.5 mm)		69	SDI OUT connector (BNC type) .....	196
61	Remote release connector (ø 2.5 mm)				

## LCD Monitor


See page 54 for instructions on how to attach the LCD monitor and LCD attachment, and how to attach them to the camera body.

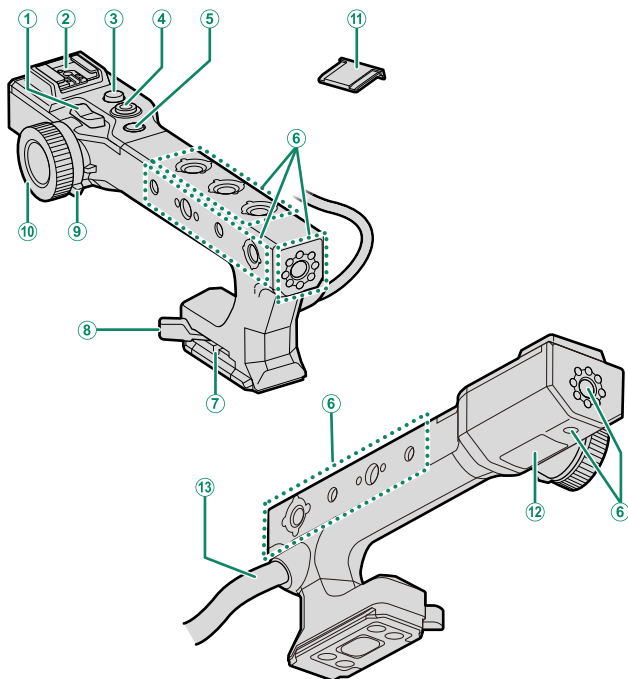


- |                                     |        |                                       |    |
|-------------------------------------|--------|---------------------------------------|----|
| ① LCD monitor.....                  | 26, 92 | ⑥ LCD cable.....                      | 54 |
| Touch screen.....                   | 23, 86 | ⑦ Accessory mounting screw holes..... | 24 |
| ② <b>DISP</b> (display) button..... | 23     | ⑧ LCD attachment.....                 |    |
| ③ <b>Fn7</b> button.....            | 181    | ⑨ Accessory mounting screw hole.....  | 24 |
| ④ <b>Fn6</b> button.....            | 181    | ⑩ LCD monitor hood.....               |    |
| ⑤ Serial number plate.....          | 25     |                                       |    |



## Handle

 See page 52 for instructions on how to attach the handle to the camera body.

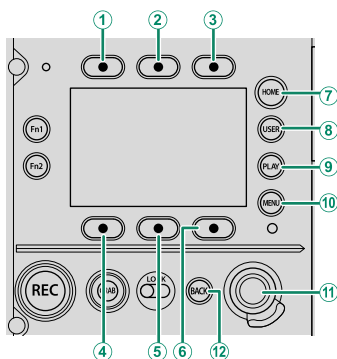


- |   |  |
|---|--|
| ① Zoom lever.....22, 84                         | ⑦ Lock lever adjustment screw ..... 52 |
| ② Hot shoe                                      | ⑧ Lock lever..... 52                   |
| ③ <b>REC</b> button..... 13                     | ⑨ Multi-function selector dial..... 14 |
| ④ Focus stick (focus lever).....21, 80          | ⑩ Multi-function dial..... 14          |
| ⑤ <b>Fn5</b> button.....181                     | ⑪ Hot shoe cover                       |
| ⑥ Accessory mounting screw holes<br>.....22, 54 | ⑫ Serial number plate.....25           |
|   | ⑬ Handle cable..... 52                 |

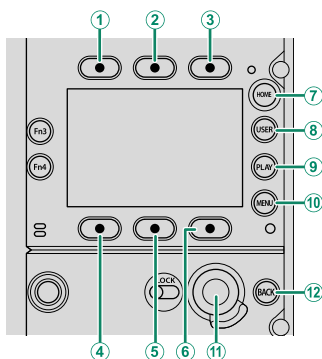
## Side Monitors

You can use the side monitors to check the shooting settings and select files to play back. Use the buttons and dials around the monitors to switch displays, change settings, and operate the menu.

- The side monitors are located on both the inside and outside of the camera body. The side monitors, buttons, and dials on the left and right sides are identical. Operating a button or dial on either side will change the display on both monitors.
- Use **LCD SETTING > SIDE MONITOR BRIGHTNESS** in **SET UP** to adjust the brightness of the side monitors.



*Inside*



*Outside*

- ① Screen button 1
- ② Screen button 2
- ③ Screen button 3
- ④ Screen button 4
- ⑤ Screen button 5
- ⑥ Screen button 6

- ⑦ **HOME** button
- ⑧ **USER** button
- ⑨ **PLAY** button
- ⑩ **MENU** button
- ⑪ Selector dial
- ⑫ **BACK** button

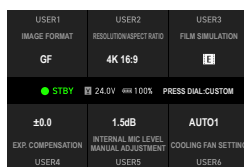
## HOME Button

Press **HOME** to display the main shooting settings on the side monitors (📖 70).



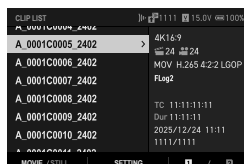
## USER Button

Press **USER** to display the pre-assigned functions on the side monitors (📖 187).



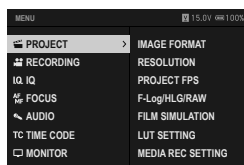
## PLAY Button

Press **PLAY** to display the playback settings on the side monitors. You can select files to be played back on the LCD monitor and configure the playback settings (📖 90).



## MENU Button

Press the **MENU** button to display the menu on the side monitors. You can configure the shooting settings and camera settings (📖 118).



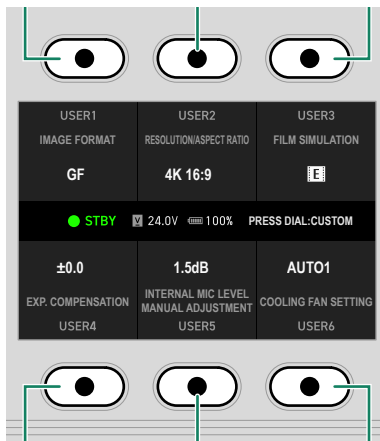
## Screen Buttons

Press the screen buttons (1-6) to use the functions indicated above or below the buttons or to change the assigned settings.

Screen button 1

Screen button 2

Screen button 3



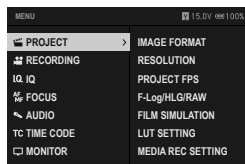
Screen button 4

Screen button 5

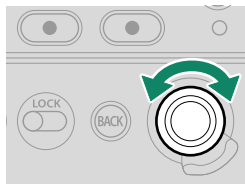
Screen button 6

## Selector Dial

Use the selector dial to operate the menu and playback settings.



- Rotate the dial left or right to move the cursor.

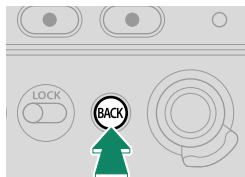


- Press the center to select an item.



## BACK Button

Press **BACK** on the playback settings or menu display to return to the previous display without changing the settings.







## Touch Screen Mode on the Side Monitors

When entering text such as a password, an on-screen keyboard will be displayed on the side monitors. Tap the screen or press the screen buttons to enter characters.



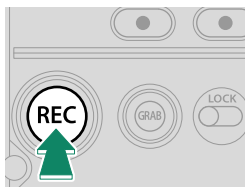
The functions of the screen buttons are as follows.


Button	Description
 <b>Move left</b> (Screen button 1)	Move the cursor one character to the left.
 <b>Move right</b> (Screen button 2)	Move the cursor one character to the right.
 <b>Delete</b> (Screen button 3)	Delete one character before the cursor.
<b>CANCEL</b> <b>Cancel</b> (Screen button 4)	Exit text entry without saving changes.
<b>A / a / @</b> <b>Switch character type</b> (Screen button 5)	Switch between uppercase letters, lowercase letters, and symbols each time the button is pressed.
<b>DONE</b> <b>Done</b> (Screen button 6)	Save changes and exit text entry.

 The layout and types of keys on the display vary depending on the item being entered.


## REC Button

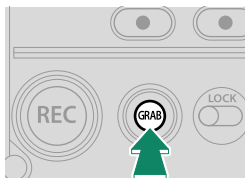
Press **REC** to start movie recording and the button will light in red. Press the button again to stop recording and it will turn off.




 During playback, pressing the button will not start recording.

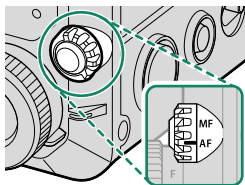
## GRAB Button

Press **GRAB** to capture a still image from a movie ( 66).



## Focus Mode Selector

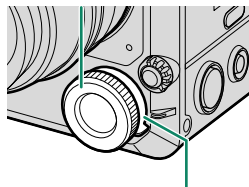
Use the focus mode selector to switch the focus modes ( 80).



## Multi-Function Dial

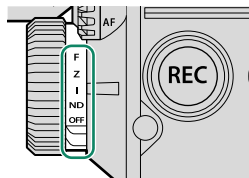
Rotate the multi-function dial to adjust settings for the function selected with the multi-function selector dial.

Multi-function dial



Multi-function selector dial

The functions that can be adjusted with the multi-function dial are as follows:



Multi-function selector dial	Description	
<b>F (focus)</b>	You can adjust the focus when using manual focus.	82
<b>Z (zoom)</b>	You can adjust zoom when using a lens that supports power zoom.	84
<b>I (iris)</b>	While <b>RECORDING</b> > <b>IRIS</b> is set to an option other than <b>AUTO</b> , when a lens with no aperture rings is used or when the lens aperture ring is in the <b>C</b> position, you can adjust the iris.	83
<b>ND (ND filter)</b>	You can adjust the ND filter density when <b>ON</b> is selected for the ND filter.	73
<b>OFF</b>	Multi-function dial operation will be disabled.	—



## Lock Switch

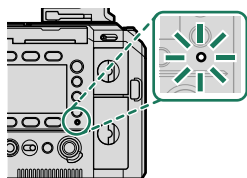
Use the lock switch to lock buttons and dials.



- Use the inside lock switch to lock the buttons and dials on the inside, the focus mode selector, and the multi-function dial.
- Use the outside lock switch to lock the buttons and dials on the outside, and the **REC** and **GRAB** buttons on the front.

## The Indicator Lamp

Camera status is shown by the indicator lamp.



Indicator lamp	Camera status
Blinks green and orange	Uploading selected files via the network when the camera is off.
Glow orange	Recording files. No additional files can be taken at this time.
Blinks red	Lens or memory error.

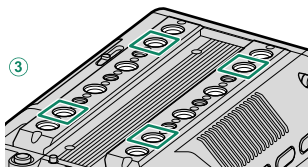
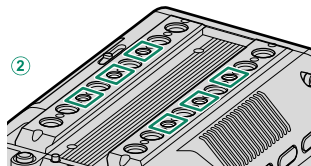
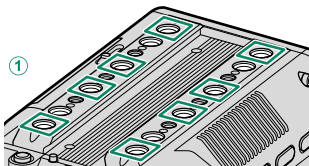


- Warnings may also appear in the display.
- The indicator lamp shows the status of its connection to computers, Frame.io, and the like (📖 98).
- While the function button to which **AF-ON** is assigned is pressed, the indicator lamp glows or blinks green.

## Accessory Mounting Screw Holes/ Tripod Plate Attachment Holes

### Accessory Mounting Screw Holes (on the Camera Body)

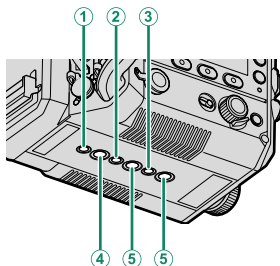
The supplied LCD attachment and other optional accessories can be attached to the accessory mounting screw holes on the top of the camera ( 54). The dimensions are as follows:



- ① Accessory mounting screw holes  
Screw type: 3/8-16UNC (x 8)  
Screw hole depth: 6 mm
- ② Accessory mounting screw holes  
Screw type: 1/4-20UNC (x 6)  
Screw hole depth: 6 mm
- ③ Accessory mounting screw holes  
Screw type: 3/8-16UNC (x 4)  
Screw hole depth: 10.5 mm

## Tripod Plate Attachment Holes

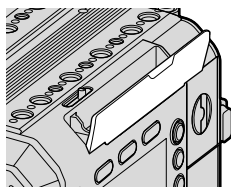
Optional tripod plates or bridge plates can be attached to the tripod plate attachment holes on the bottom of the camera. The dimensions are as follows:



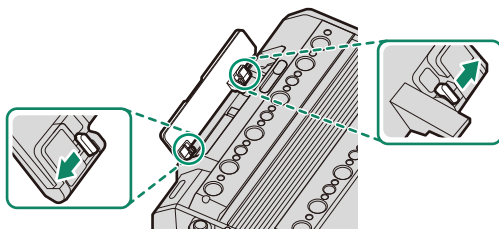
- |  |  |
|--|--|
| ① Tripod plate attachment hole<br>Screw type: 1/4-20UNC (x 1)<br>Screw hole depth: 8 mm  | ④ Tripod plate attachment hole<br>Screw type: 3/8-16UNC (x 1)<br>Screw hole depth: 12 mm |
| ② Tripod plate attachment hole<br>Screw type: 1/4-20UNC (x 1)<br>Screw hole depth: 12 mm | ⑤ Tripod plate attachment hole<br>Screw type: 3/8-16UNC (x 2)<br>Screw hole depth: 11 mm |
| ③ Tripod plate attachment hole<br>Screw type: 1/4-20UNC (x 1)<br>Screw hole depth: 11 mm |  |


## LCD Cable Connector Cover (Detachable)

The LCD cable connector cover can be removed if the cover interferes with the rig or accessories when attaching them.



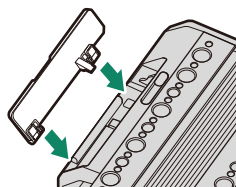
To remove the LCD cable connector cover, pull the orange levers inside the cover as shown.



 Attach the LCD cable terminal cover when you do not use the LCD monitor.

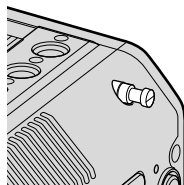
### Attaching the LCD Cable Connector Cover

Press in the LCD cable connector cover as shown to attach it.



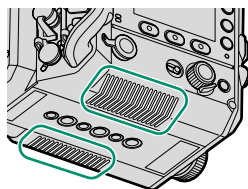
## Measure Hook

The hook indicates the position of the image sensor. Attach the tip of a measure to the measure hook to measure the exact distance between the image sensor and the subject.

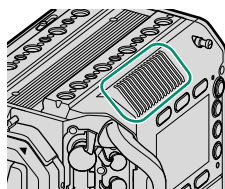


## Air Intakes/Exhaust Vent

Do not cover the air intakes or exhaust vent with tape or other materials or place any obstructions near them. Failure to observe this precaution may reduce cooling performance or damage the camera.



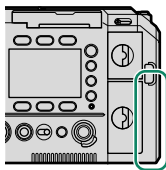
*Air intakes*



*Exhaust vent*

## Wi-Fi Antenna (Internal)

The camera has a Wi-Fi antenna inside, so covering it with your hand or metal objects may interrupt Wi-Fi communication.



## Handle

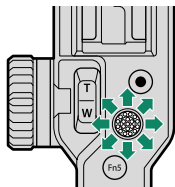
Attach the handle to the camera body to set the focus area with the focus stick (focus lever) or operate the zoom with the zoom lever.



Attach the handle to the handle attachment mount on the top of the camera body (see 52).

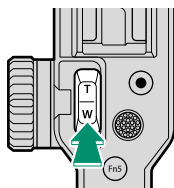
## Focus Stick (Focus Lever)

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



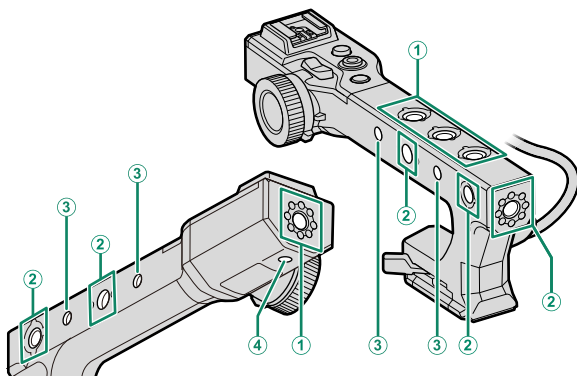
## Zoom Lever

You can adjust zoom with the zoom lever when using a lens that supports power zoom. The zoom speed changes depending on how far you press the zoom lever (📖 84).



## Accessory Mounting Screw Holes (on the Handle)

The supplied LCD attachment and other optional accessories can be attached. The dimensions are as follows:




- |   |   |
|---|---|
| <p>① Accessory mounting screw holes<br/>Screw type: 3/8-16UNC (x4)<br/>Screw hole depth: 12.5 mm</p> <p>② Accessory mounting screw holes<br/>Screw type: 3/8-16UNC (x5)<br/>Screw hole depth: 12 mm</p> | <p>③ Accessory mounting screw holes<br/>Screw type: 1/4-20UNC (x4)<br/>Screw hole depth: 8 mm</p> <p>④ Accessory mounting screw holes<br/>Screw type: 1/4-20UNC (x1)<br/>Screw hole depth: 7 mm</p> |
|---|---|



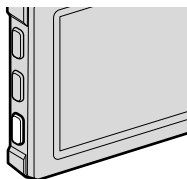
## LCD Monitor

Connect the LCD monitor to the camera to check the shooting display and play back recorded movies. The LCD monitor can also be used as a touch screen during recording and playback (📖 86).

 Attach the LCD monitor to the accessory mounting screw holes on the top of the camera body or handle (📖 54).

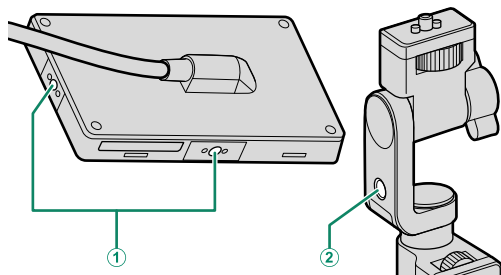
## DISP Button

Press **DISP** to enable or disable the information display on the LCD monitor. Press and hold the button to flip the LCD monitor display vertically or horizontally.



## Accessory Mounting Screw Holes (on the LCD Monitor)

Optional accessories can be attached. The dimensions are as follows:

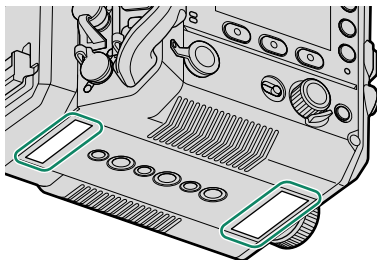


- ① Accessory mounting screw holes  
Screw type: 1/4-20UNC (x2)  
Screw hole depth: 7.5 mm

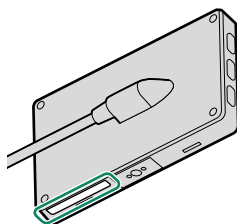
- ② Accessory mounting screw holes  
Screw type: 1/4-20UNC (x1)

## The Serial Number Plates

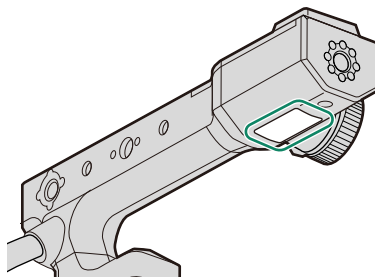
Do not remove the serial number plates, which provide the CMIIT ID, serial number, and other important information.



*Camera body*



*LCD monitor*



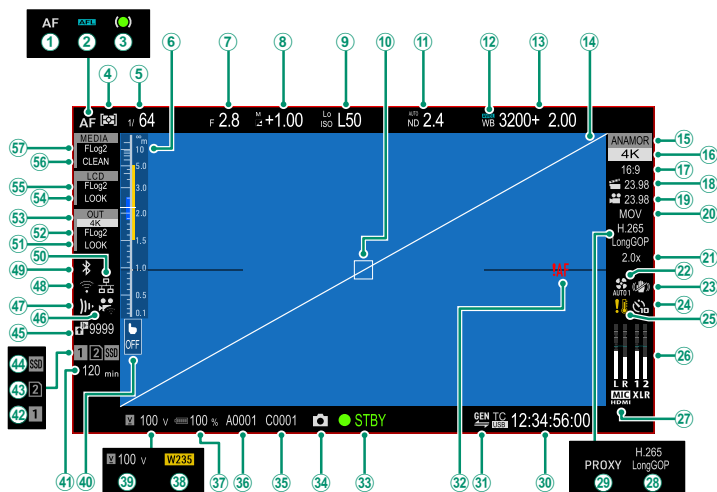
*Handle*

# Camera Displays

The following information is displayed on the LCD monitor and side monitors during shooting.

❗ For illustrative purposes, displays are shown with all indicators lit.

## LCD Monitor Display

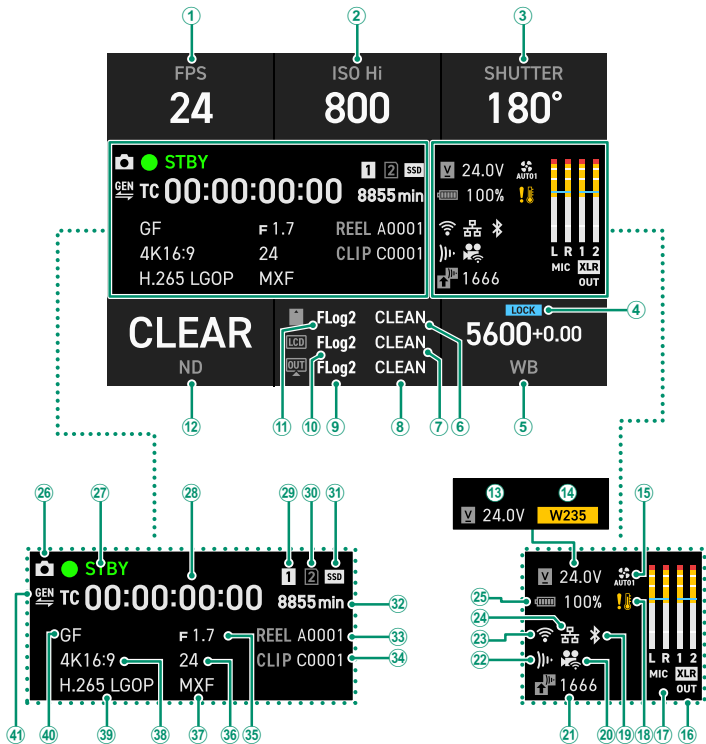


① Focus mode.....	13	③① Genlock.....	130
② AF lock.....	186	③② Focus warning.....	228
③ Focus indicator.....		③③ Camera status • STBY/REC.....	62
④ Metering.....	85	③④ Grab.....	66
⑤ Shutter speed.....	72	③⑤ Clip No.....	
⑥ Distance indicator.....		③⑥ Reel No.....	126
⑦ Aperture.....	83	③⑦ NP-W235 battery level.....	57
⑧ Exposure compensation.....	127	③⑧ W235 battery mode.....	34
⑨ Sensitivity.....	71	③⑨ External power source.....	37
⑩ Focus area.....	81	④① Touch AF button.....	
⑪ ND (Neutral Density) filter indicator.....	73	④② Media recording time.....	
⑫ AWB lock.....		④③ Recording media CF.....	124
⑬ White balance.....	76	④④ Recording media SD.....	124
⑭ Virtual horizon.....	157	④⑤ Recording media SSD.....	124
⑮ Image format.....	118	④⑥ Frame.io upload progress.....	103
⑯ Resolution.....	119	④⑦ Remote recording function connection status.....	
⑰ Aspect ratio.....	119	④⑧ Frame.io connection status.....	104
⑱ Project frame rate.....	119	④⑨ Wireless connection.....	
⑲ Recording frame rate.....	70	④⑩ Bluetooth ON/OFF.....	
⑳ File format.....	124	④⑪ Ethernet connection.....	
㉑ Crop factor.....		⑤① LOOK SDI/HDMI LOOK/CLEAN status.....	75
㉒ Cooling fan settings.....	174	⑤② LOOK SDI/HDMI FS/F-Log/HLG/RAW.....	120
㉓ IS mode.....	128	⑤③ LOOK SDI/HDMI output setting.....	149
㉔ Self-timer indicator.....	128	⑤④ LOOK LCD LOOK/CLEAN status.....	75
㉕ Temperature warning.....	40, 230	⑤⑤ LOOK LCD FS/F-Log/HLG.....	120
㉖ Recording level.....	142	⑤⑥ LOOK media LOOK/CLEAN status.....	75
㉗ XLR recording level.....	142	⑤⑦ LOOK media FS/F-Log/HLG.....	120
㉘ Codec.....	125		
㉙ Proxy (only when rec ProRes).....	125		
㉚ Time code.....	146		

# Side Monitor Display

1

Before You Begin



① Recording frame rate.....	70	②① Frame.io upload progress.....	103
② Sensitivity.....	71	②② Frame.io connection status.....	104
③ Shutter speed.....	72	②③ Wireless connection	
④ AWB lock		②④ Ethernet connection	
⑤ White balance.....	76	②⑤ NP-W235 battery level.....	57
⑥ LOOK media LOOK/CLEAN status.....	75	②⑥ Grab.....	66
⑦ LOOK LCD LOOK/CLEAN status.....	75	②⑦ Camera status • STBY/REC.....	62
⑧ LOOK SDI/HDMI LOOK/CLEAN status		②⑧ Time code.....	146
.....	75	②⑨ Recording media CF.....	124
⑨ LOOK SDI/HDMI FS/F-Log/HLG/RAW		③⑩ Recording media SD.....	124
.....	120	③① Recording media SSD.....	124
⑩ LOOK LCD FS/F-Log/HLG.....	120	③② Media recording time	
⑪ LOOK media FS/F-Log/HLG.....	120	③③ Reel No.....	126
⑫ ND (Neutral Density) filter indicator.....	73	③④ Clip No.	
⑬ External power source.....	37	③⑤ Aperture.....	83
⑭ W235 battery mode.....	34	③⑥ Project frame rate.....	119
⑮ Cooling fan settings.....	174	③⑦ File format.....	124
⑯ XLR recording level.....	142	③⑧ Resolution.....	119
⑰ Recording level.....	142	③⑨ Media rec setting.....	125
⑱ Temperature warning.....	40, 230	④① Image format.....	118
⑲ Bluetooth ON/OFF		④② Genlock.....	130
⑳ Remote recording function connection status			

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



## **First Steps**

# 2

## Charging the Supplied Battery

Charge the supplied battery.

### Charging the Supplied Battery

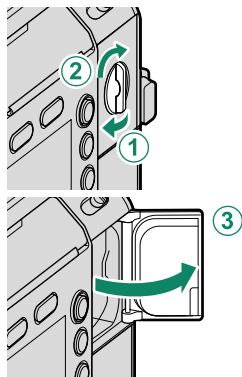
Using the supplied battery allows you to record using the camera's basic functions. You can also replace the V-mount battery without turning off the camera.

- ❗ For safety reasons, the supplied battery is not charged at the time of purchase. The camera will not function if the supplied battery is not charged; be sure to charge the supplied battery before use.
- Charging takes about 180 minutes.
- Turning on the camera while it is charging may result in a longer charging time than charging when the power is off.

#### 1 Open the battery-chamber cover.

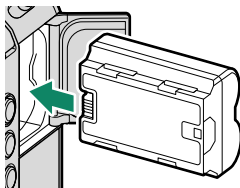
Lift the battery-chamber latch (①), rotate the latch as shown (②), and open the battery-chamber cover (③).

- ❗ Do not open the battery-chamber cover when the camera is on. Failure to observe this precaution could damage files or memory cards.
- Do not use excessive force when handling the battery-chamber cover.



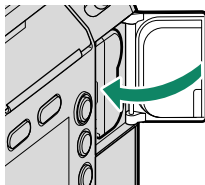
## 2 Insert the supplied battery as shown.

- ❗ Inserting the supplied battery in the wrong orientation may damage the camera. Insert it in the correct orientation.
- Confirm that the supplied battery is securely latched.

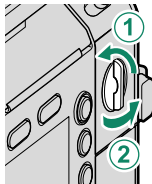


## 3 Close the battery-chamber cover.

- ❗ If the cover does not close, check that the supplied battery is in the correct orientation. Do not attempt to force the cover shut.



## 4 Rotate the battery-chamber latch as shown (①), and tilt the latch down (②).



## 5 Connect the supplied AC power adapter to charge the supplied battery (📖 37).

### W235 Battery Mode

The camera will operate in W235 battery mode when it is turned on while it is powered only by the supplied battery.

The following restrictions apply in W235 battery mode:

- The 12-pin connector for lens connection, SDI OUT connector, HDMI OUT connector, and DC OUT 12 V connector cannot be used.
- An external SSD cannot be used.
- Wireless LAN connection, wired LAN connection, and Bluetooth connection are not available.
- 8K image quality cannot be selected for **RESOLUTION**.

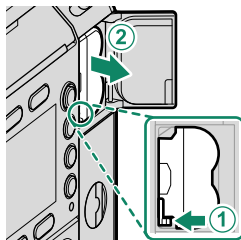


Attaching the AC power adapter or V-mount battery will exit W235 battery mode.

### Removing the Supplied Battery

Before removing the supplied battery, **turn the camera off** and open the battery-chamber cover.

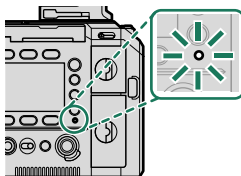
To remove the supplied battery, press the battery latch to the side with your finger to release the lock (①), and remove the supplied battery (②).



**!** The supplied battery may become hot after using the camera. Observe caution when removing the supplied battery.

### Charge Status

- When the camera is turned off, the indicator lamp shows the charge status of the supplied battery.



Indicator lamp	Battery status
Glows green	Battery charging
Off	Charging complete
Blinks green	Battery fault

- When the camera is turned on, the icon on the screen shows the charge status of the supplied battery.

Icon	Battery status
	Battery charging
	Charging complete
	Battery fault

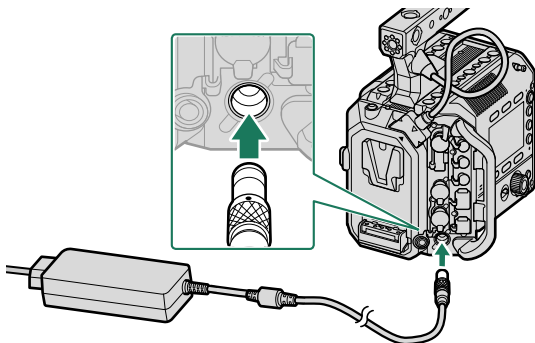


- Do not affix labels or other objects to the supplied battery. Failure to observe this precaution could make it impossible to remove the battery from the camera.
- Do not short the supplied battery terminals. This may cause overheating and pose a safety hazard.
- Read the cautions for the supplied battery in "For Your Safety".
- 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 supplied battery gradually loses its charge when not in use. Charge the supplied battery one or two days before use.
- If the supplied battery fails to hold a charge, it has reached the end of its charging life and must be replaced. Purchase a new battery.
- Unplug the AC power adapter from the power outlet when it is not in use.
- If the supplied battery is left for long periods without charging, you may find that its quality degrades or that it no longer holds a charge. Charge the supplied battery regularly.
- Remove dirt from the supplied battery terminals with a clean, dry cloth. Failure to observe this precaution could prevent the supplied battery from charging.
- Note that charging times increase at low or high temperatures.

## Using the AC Power Adapter

Using the supplied AC power adapter, you can use the camera without the supplied battery, or charge the supplied battery in the camera.

Connect the AC power adapter cable to the DC IN connector of the camera with the red mark on the plug facing up as shown in the figure and then plug the AC cable into an indoor power outlet.



- ❗ • The supplied AC power adapter is compatible with power supplies of 100 to 240 V and can be used overseas (a plug adapter or AC cable may be needed for overseas use).
  - Do not use the AC power adapter with other devices. Failure to observe this precaution could cause malfunction.
  - If the supplied battery is in the camera when removing the AC power adapter, the screen display and terminal output will be turned off, and no operation other than turning off the camera can be performed (📖 199).
  - If the supplied battery is low or the camera is used in a low-temperature environment, removing the AC power adapter could cause the camera to stop functioning, even if the supplied battery is in the camera.
  - Use only the supplied AC power adapter with the DC IN connector. We cannot guarantee the product if you use an adapter other than the one supplied.
- 
- 🔌 • Instead of the AC power adapter, you can also use a V-mount battery to charge the supplied battery (📖 198).
  - When both the AC power adapter and V-mount battery are used, the power from the AC power adapter is prioritized for consumption.



## Inserting Memory Cards

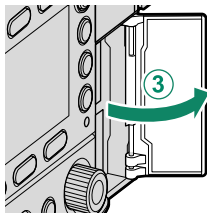
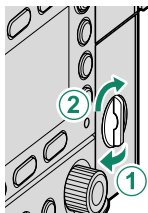
Clips are stored on memory cards (sold separately).



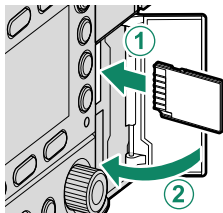
The camera is equipped with two memory card slots. Use Slot 1 with CFexpress cards and Slot 2 with SD, SDHC, or SDXC cards.

### 1 Open the memory card slot cover.

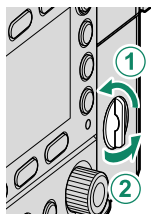
Lift the memory card slot cover latch (①), rotate the latch as shown (②), and open the cover (③).



### 2 Insert the memory card (①), and close the memory card slot cover (②).

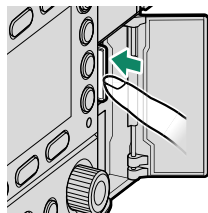



- 3** Rotate the memory card slot cover latch as shown in the figure to lock it (①), and then push the latch down (②).



### Removing Memory Cards



Turn the camera off and open the memory card slot cover. Eject the card by pressing it in with a finger and then slowly releasing it; the card can then be removed by hand.



- Press the center of the card.
- Suddenly removing your finger from the card could cause the card to fall from the slot. Remove your finger slowly.
- If the camera displays a  icon, the memory card may be hot to the touch. Wait for the card to cool before removing it.

## Using Two Cards

The camera can be used with two cards, one in each of its two slots. The method of recording to a memory card can be changed using **MEDIA REC SETTING > REC MEDIA** in **PROJECT**.

Option	Description	Display
<b>SEQUENTIAL</b>	The card in the second slot is used only when the card in the first slot is full.	
<b>BACKUP</b>	Each file is recorded twice, once to each card.	

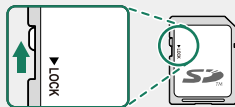
## Compatible Memory Cards

- The camera can be used with SD, SDHC, SDXC, and CFexpress Type B memory cards. Both the UHS-I and UHS-II bus interfaces are supported.
- The type of memory card supported varies with the option select for **PROJECT > MEDIA REC SETTING**.
  - Record ProRes movies to CFexpress cards.
  - Movies with a bit rate of 720 Mbps can be recorded to CFexpress cards or to cards with a Video Speed Class of V90 or better.
  - Movies with a bit rate of 360 Mbps can be recorded to CFexpress cards or to cards with a Video Speed Class of V60 or better.
  - Movies with a bit rate of 100 Mbps or 200 Mbps can be recorded to CFexpress cards or to cards with a Video Speed Class of V30 or better.
- A list of supported memory cards is available on the Fujifilm website. For details, visit:  
<https://fujifilm-x.com/support/compatibility/cameras/>.



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


- When recording data on a memory card, unlock the write-protect switch. Sliding the write-protect switch to the **LOCK** side will prevent you from recording clips or formatting the card.



- 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, contact your Fujifilm dealer. 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 files are stored. Do not rename or delete this folder. Also, do not edit, delete, or rename files using a computer or other device. Renaming the files on the camera can cause problems during playback.

## Using an External SSD in Place of a Memory Card

This camera can save still images and movies to an SSD. Connect the SSD to the USB connector, and then use **MEDIA REC SETTING > REC MEDIA** in **PROJECT** to select the SSD. Turn the camera off before disconnecting the SSD.

 During playback, press **1/2/SSD** (Screen button 6) to select the SSD or memory card to play back.

## Attaching a Lens

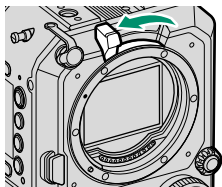
The camera can be used with the FUJIFILM G-mount lenses manufactured by Fujifilm and PL-mount lenses.

**!** Observe the following precautions when attaching or removing (exchanging) lenses.

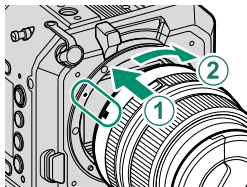
- Check that the lenses are free of dust and other foreign matter.
- Do not change lenses in direct sunlight or under another bright light source. Light focused into the interior of the camera could cause it to malfunction.
- Attach the lens caps before exchanging lenses.
- Do not rotate the lens while holding moving parts of the camera, such as the aperture ring.
- See the manual provided with the lens for information on use.
- Be careful not to touch the camera's internal parts.

### G-mount Lenses

- 1** Tilt the lens lock lever as shown in the figure.

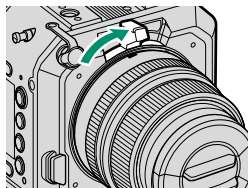


- 2** Remove the body cap from the camera and the rear cap from the lens. Place the lens on mount, keeping the marks on the lens and camera aligned (①), and then slowly rotate the lens in the direction of the arrow until it clicks into place (②).



- !**
- Rotate the lens until it clicks securely into place.
  - Do not press the lens release button while attaching the lens.

- 3** Move the lens lock lever as shown in the figure to lock the lens.



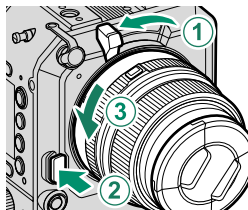
**!** Do not press the lens lock lever too hard as it will not move all the way to the end.

**2**

**First Steps**

**Removing Lenses**

Turn the camera off, then tilt the lens lock lever as shown in the figure (①), and while pressing the lens release button (②), slowly rotate the lens in the direction of the arrow (③).



**!** 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.



## PL-mount Lenses

When using a PL-mount lens, attach the supplied PL-mount adapter to the camera. For compatibility information on our separately sold PL-mount lenses, visit the following web site.

<https://fujifilm-x.com/support/compatibility/cameras/>

**!** When using PL-mount lenses other than those mentioned above, note the following:

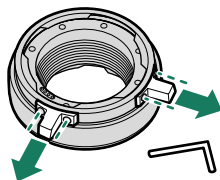
- We do not guarantee the operation of all PL-mount lenses.
- To prevent damage to the camera or lens, use lenses that do not exceed the specified dimensions (📖 195).
- To adjust the flange focal length, use the supplied shim (📖 192).

## Attaching the PL-mount Adapter

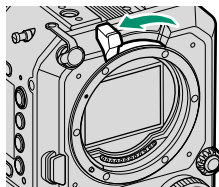
Attach the PL-mount adapter to the camera.

- 1 Remove the PL lock levers from the bayonet ring.

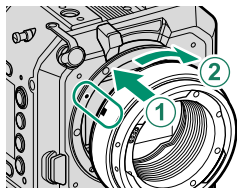
Use the supplied hex wrench (2 mm).



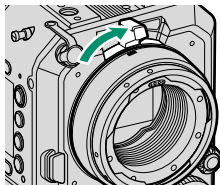
- 2 Tilt the lens lock lever as shown in the figure to release the lock.



- 3 Align the red indicators on the camera and the PL-mount adapter (①), and then slowly rotate the PL-mount adapter in the direction of the arrow to attach it (②).

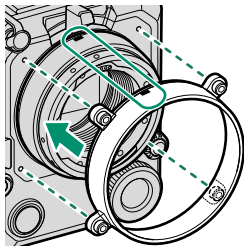


- 4 Move the lens lock lever as shown in the figure to lock the adapter.



❗ Do not press the lens lock lever too hard as it will not move all the way to the end.

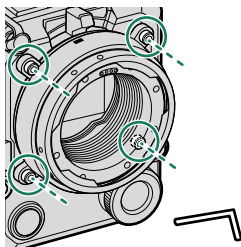
- 5 Align the red indicators on the PL-mount adapter cover and the PL-mount adapter, and then attach the PL-mount adapter cover.



❗ The PL-mount adapter cover cannot be used with other GFX series cameras.

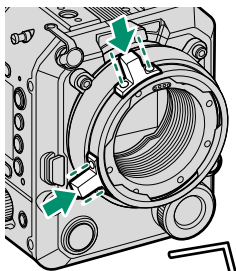
- 6** Tighten the bolts on the PL-mount adapter cover to secure it to the camera.

Use the supplied hex wrench (3 mm) to tighten the bolts. When using a torque wrench, set the torque to 0.36 N·m.



- 7** Attach the PL lock levers to the bayonet ring.

Use the supplied hex wrench (2 mm).

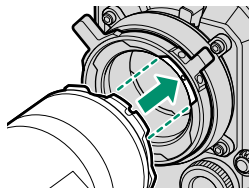


## Attaching the PL-mount Lenses

### Attach the lens to the PL-mount adapter.

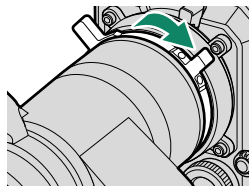
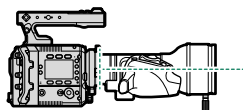
**!** When attaching a heavy lens (2 kg or more), use an optional lens support. Using a lens support will prevent the weight of the lens from affecting the flange focal length and will also reduce the load on the lens mount (200).

- 1 Attach the lens straight to the camera so that the pin on the PL-mount adapter aligns with the notch on the lens.



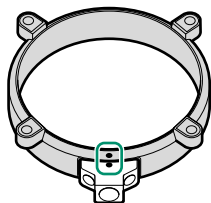
**!** Do not rotate the lens while it is pushed at an angle or it is attached to the PL-mount adapter. Failure to observe this precaution could damage the signal contacts.

- 2 Check that the lens is level when viewed from the side, and rotate the PL lock levers as shown in the figure to lock the lens.

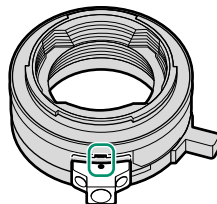


**Attaching the Support Frame**

After removing the support frame of the PL-mount adapter cover, when attaching it to the PL-mount adapter cover again, align the indicator on the support frame and the mark on the PL-mount adapter cover and tighten the bolts using the supplied hex wrench (2 mm). When using a torque wrench, set the torque to 0.36 N·m.



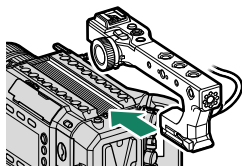
When attaching the support frame to the mount adapter, align the indicator on the support frame and the mark on the mount adapter and tighten the bolts using the supplied hex wrench (2 mm). When using a torque wrench, set the torque to 0.36 N·m.



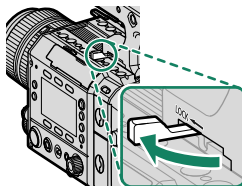
## Attaching the Handle

Attach the supplied handle to the camera.

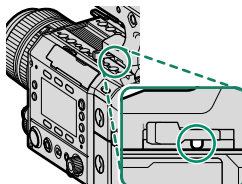
- 1 Slide the handle into the groove on the handle attachment mount and attach it to the camera.



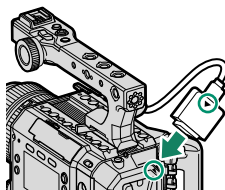
- 2 Move the lock lever in the direction of **LOCK** to lock the handle.



If the handle does not stay securely in place even after moving the lock lever, turn the lock lever adjustment screw for adjustment.

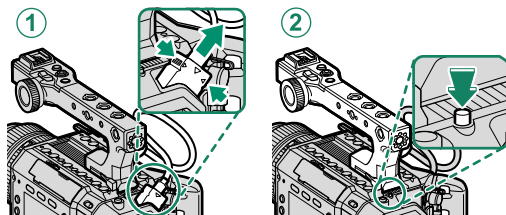


- 3 Connect the handle cable to the camera's handle connection terminal, aligning the indicators.



**Removing the Handle**

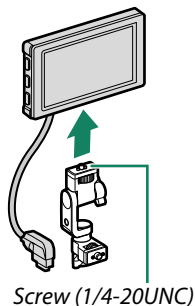
While pressing both sides of the handle cable terminal, remove the handle cable terminal from the handle connection terminal (①). After unlocking the lock lever, slide the handle while pressing the release button (②).



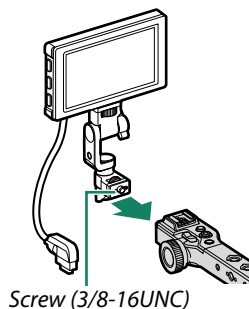
## Attaching the LCD Monitor

Attach the supplied LCD monitor to the camera.

- 1 Attach the LCD attachment to the accessory mounting screw hole (1/4-20UNC) on the LCD monitor.

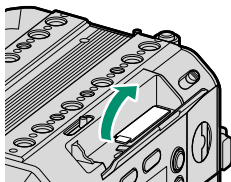



- 2 Attach the LCD attachment to the accessory mounting screw hole (3/8-16UNC) on the camera or handle.



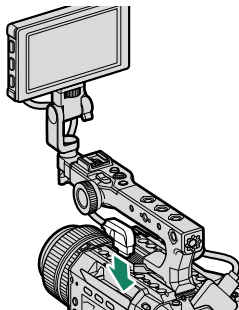


- 3 Remove the LCD cable terminal cover of the LCD cable connector.



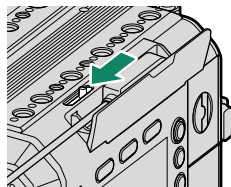
 Keep the removed cover to protect the connectors. If you lose it, use the supplied spares.

- 4 Connect the LCD cable to the camera's LCD cable connector.




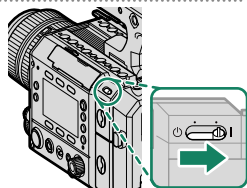
### Removing the LCD Monitor

Slide the LCD cable release lever to disconnect the LCD cable, and then remove the LCD monitor.



## Turning the Camera On and Off








Slide the ON/OFF switch to the I side to turn on the camera. Slide the ON/OFF switch to the  side to turn off the camera.



## Checking the Supplied Battery Level

Check the battery level of the supplied battery in the display.

The battery level indicator displayed on the screen shows the remaining battery level of the supplied battery.

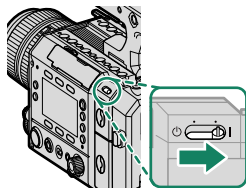
Indicator	Description
	The battery level is sufficient.
	The battery level is about 80%.
	The battery level is about 60%.
	The battery level is about 40%.
	The battery level is about 20%.
 (red)	The battery level is low. Charge as soon as possible.
 (red)	The battery is empty. Turn camera off and recharge supplied battery.

## Basic Setup

When you turn the camera on for the first time, you can choose a language and set the camera clock. Follow the steps below when turning the camera on for the first time.

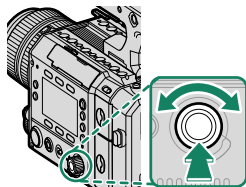
### 1 Turn the camera on.

A language-selection dialog will be displayed.




### 2 Choose a language.

Rotate the selector dial to highlight a language and press the center of the selector dial.



### 3 Choose a time zone.

Rotate the selector dial to choose a time zone and press the center of the selector dial.

 Press **ON/OFF** (Screen button 6) to enable or disable daylight savings time.

#### 4 Set the clock.


Press the center of the selector dial to proceed to the next step. Press the center of the selector dial on the last step or press **DONE** (Screen button 6) to display the **HOME** options on the side monitors and the shooting display on the LCD monitor.



If the supplied battery is removed for an extended period, the camera clock may be reset. In that case, the initial setting screen will be displayed, so configure the settings again.

## Choosing a Different Language

To change the language:

- 1 Display language options.**  
Select **SET UP** >  言語/LANG..
- 2 Choose a language.**  
Rotate the selector dial to highlight a language.
- 3 Press the center of the selector dial.**  
The display will switch to the selected language.

## Changing the Time and Date

To set the camera clock:

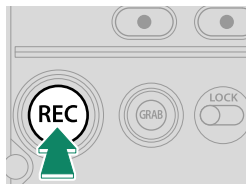
- 1 Display DATE/TIME options.**  
Select **SET UP** > **DATE/TIME**.
- 2 Set the clock.**  
Set the display order (year, month, day), date, and time.
- 3 Press the center of the selector dial on the last item or press DONE** (Screen button 6) to set the date and time.

# 3

## **Basic Shooting and Playback**

## Recording Movies

- 1 Turn the camera on (📖 56).
- 2 Press the **REC** button to start movie recording and the button will light in red.



- 3 Press the **REC** button again to stop movie recording and the button will turn off.



- Sound is recorded via the built-in microphone or an optional external microphone. Do not cover the microphone during recording (📖 3, 4).
- Note that the microphone may pick up lens noise and other sounds made by the camera.
- Vertical or horizontal streaks may appear in movies containing very bright subjects. This is normal and does not indicate a malfunction.



**Temperature Warnings**

The camera automatically turns off to protect itself when its temperature or the temperature of the supplied battery rises. If a temperature warning is displayed, clip noise may increase. Turn the camera off and wait for it to cool before turning it on again.

**Using an External Microphone**

Sound can be recorded with external microphones. Use external microphones that connect using jacks 3.5 mm in diameter. Microphones that require plug-in power should operate at a voltage of 2 V or less. See the microphone manual for details.

**XLR Microphone Adapters**

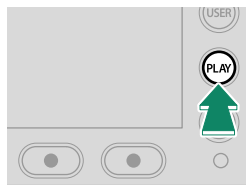
The camera can be used with TEAC TASCAM CA-XLR2d-F XLR microphone adapters. For more information, visit the TASCAM website.

*[https://tascam.jp/int/product/ca-xlr2d/#CA-XLR2d\\_Website](https://tascam.jp/int/product/ca-xlr2d/#CA-XLR2d_Website)*


## Viewing Movies

### 1 Press the **PLAY** button.

- A list of files will be displayed on the side monitors.
- A preview of the file will be displayed on the LCD monitor.

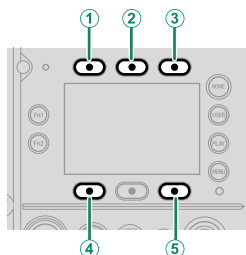


### 2 Rotate the selector dial to select the clip you want to play. Rotate the selector dial to the left to move the cursor up. Rotate it to the right to move the cursor down.

-  Press **1/2** (Screen button 6) to switch between memory cards for playback.

### 3 Press the center of the selector dial to play the clip. Press the **BACK** button to stop playback.

Press the screen buttons during clip playback to operate the playback.




## Playback

Button		Description
①	⏮ <b>Rewind</b> (Screen button 1)	Rewind. Also, press the button again during rewind to change the speed.
②	⏸ <b>Playback/Pause</b> (Screen button 2)	Pause the playback. Press the button again to resume playback.
③	⏭ <b>Advance</b> (Screen button 3)	Advance. Also, press the button again during advance to change the speed.
④	⏮ <b>View previous file</b> (Screen button 4)	View the previous or next file.
⑤	⏭ <b>View next file</b> (Screen button 6)	

## Pause

Selector dial	Description
<b>Rotate to the right</b>	View next frame (forward by one frame)
<b>Rotate to the left</b>	View previous frame (reverse by one second)

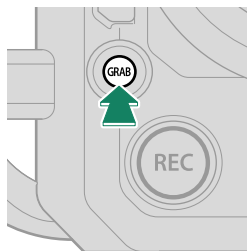
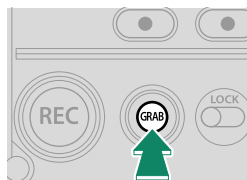
 Do not cover the speaker during playback.

## Saving Still Images

Grab frames from a movie and save them as still images.

Press the **GRAB** button while movie recording, displaying a through image, or playing a movie.

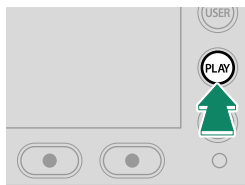
The LCD monitor display will be hidden while a through image is being saved.




- When playing a clip on the playback display, a still image of the movie being played is saved. When there is no clip to play or a still image is being displayed, a still image will not be saved.
- The size of still images saved while displaying a through image or playing a movie will be the size set in **PROJECT > RESOLUTION**. The size of still images saved during movie recording will be equivalent to FHD.
- Even if you press the **GRAB** button during movie recording, movie recording will continue.

## Playing Saved Still Images

- 1 Press the **PLAY** button.  
A list of files will be displayed on the side monitors.



- 2 Press **MOVIE/STILL** (Screen button 4) to display still images on the LCD monitor.  
A list of still images will be displayed on the side monitors. Rotate the selector dial to select a still image to be displayed.

 Press **1/2** (Screen button 6) to switch between memory cards for playback.

[illegible]

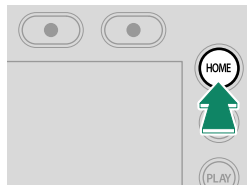
# 4

## **Shooting Settings**

## Recording Frame Rate

- 1 Press **HOME** in shooting mode.

The **HOME** options will be displayed on the side monitors.




- 2 Press **FPS** (Screen button 1).

The recording frame rate settings will be displayed.

- 3 Rotate the selector dial to highlight a frame rate and press the center of the selector dial.

Select a frame rate faster than the project frame rate to record a slow motion movie. Select a frame rate slower than the project frame rate to record a quick motion movie.

 Press **SDI/HDMI** (Screen button 6) to select whether the frame rate of the movie output to the SDI or HDMI connector should be the project FPS or the recording frame rate.



## ISO Sensitivity

- 1 Press **HOME** in shooting mode.  
The **HOME** options will be displayed on the side monitors.
- 2 Press **ISO** (Screen button 2).  
The sensitivity settings will be displayed.
- 3 Rotate the selector dial to highlight a sensitivity and press the center of the selector dial.  
Select **AUTO** to let the camera automatically set the sensitivity.

## Shutter

- 1 Press **HOME** in shooting mode.

The **HOME** options will be displayed on the side monitors.

- 2 Press **SHUTTER** (Screen button 3).

The shutter angle settings will be displayed.

- 3 Rotate the selector dial to highlight a shutter angle and press the center of the selector dial




- Press **ANGLE/SPEED** (Screen button 4) to switch between shutter angle and shutter speed.
- Press **NORMAL/EXPANDED** (Screen button 6) to switch the amount of shutter angle/speed adjustment between **NORMAL** and **EXPANDED**. When set to **EXPANDED**, the shutter angle/speed can be set more precisely to reduce flicker caused by LED lighting and the like.

## ND Filter

### Using ND Filter

Enable ND filter to set the ND filter density.


- 1 Press **HOME** in shooting mode.  
The **HOME** options will be displayed on the side monitors.
- 2 Press **ND** (Screen button 4).  
The ND filter settings will be displayed.
- 3 Press **ON/CLEAR** (Screen button 4).  
**ON** will be selected for the ND filter. Press again to select **CLEAR** for the ND filter.
- 4 Rotate the selector dial to highlight a density and press the center of the selector dial.
  -  • Press **DENSITY/FACTOR** (Screen button 6) to change the ND filter density display to filter factor.
  - You can also use the multi-function dial to set the density (📖 14).

## Look

Set whether to apply the LUTs (Lookup Tables) set for each footage of the memory card, LCD monitor display, and SDI/HDMI output to the output footage.

### Setting LUTs

Navigate to **PROJECT > LUT SETTING** to select the LUT to apply to each type of footage. LUT settings recorded on the memory card can also be loaded into the camera for use.

 The types of video output to the memory card, LCD monitor, SDI OUT connector, and HDMI OUT connector can be changed in **PROJECT > F-Log/HLG/RAW**.

## Applying to Footage

Set whether to apply the configured LUTs to each footage.

- 1 Press **HOME** in shooting mode.

The **HOME** options will be displayed on the side monitors.

- 2 Press Screen button 5.

Combinations are displayed regarding whether to apply LUTs to each output. The LUTs will be applied to the outputs to which **LOOK** is set. The LUTs will not be applied to the outputs to which **CLEAN** is set.

The available combinations are as follows:

Option	Description
<b>A</b>	The LUTs will be applied only on the LCD monitor display.
<b>B</b>	The LUTs will be applied to all of the memory card, LCD monitor, and SDI/HDMI outputs.
<b>C</b>	The LUTs will not be applied to any of the memory card, LCD monitor, or SDI/HDMI outputs.

- 3 Rotate the selector dial to highlight a combination of settings and press the center of the selector dial.



- Press **LUT** (Screen button 4) to adjust the **LUT SETTING**.
- Press **CHECK** (Screen button 6) to adjust settings for **SDI/HDMI OUTPUT INFO DISPLAY**. When **ON** is selected for **SDI/HDMI OUTPUT INFO DISPLAY**, the SDI/HDMI output will have the same settings as the LCD monitor, regardless of the selected combination.

## White Balance

The white balance for movie can be set using either auto white balance, custom white balance, or preset white balance.

### Auto White Balance

The camera automatically adjusts the white balance according to scene changes.

- 1 Press **HOME** in shooting mode.

The **HOME** options will be displayed on the side monitors.

- 2 Press **WB** (Screen button 6).

The white balance settings will be displayed.

- 3 Press **AWB SET** (Screen button 3).

The auto white balance settings will be displayed.

- 4 Rotate the selector dial to highlight a setting and press the center of the selector dial.

### The Type of Auto White Balance

The available auto white balance settings are as follows:

Option	Description
<b>WHITE PRIORITY</b>	Choose for whiter whites in scenes lit by incandescent bulbs.
<b>AUTO</b>	Standard auto white balance.
<b>AMBIENCE PRIORITY</b>	Choose for warmer whites in scenes lit by incandescent bulbs.

## Custom White Balance

When you shoot a subject that serves as a reference for white balance, such as white paper, the camera automatically sets the white balance.

- 1 Press **HOME** in shooting mode.

The **HOME** options will be displayed on the side monitors.

- 2 Press **WB** (Screen button 6).

The white balance settings will be displayed.

- 3 Press **CWB SET** (Screen button 1).

The custom white balance settings will be displayed.

- 4 Display a subject, such as white paper, on the screen.



You can also change the size and position of the area for obtaining a custom white balance.

- 5 Press the **REC** button.

- **COMPLETE** will be displayed when the white balance is set correctly.
- If **OVER** is displayed, lower exposure compensation.
- If **UNDER** is displayed, raise exposure compensation.

## Preset White Balance

Select a preset color temperature and manually set the white balance.

### Adding or Editing Preset White Balance Settings

Add new preset white balance settings or edit existing ones.

- 1 Press **HOME** in shooting mode.

The **HOME** options will be displayed on the side monitors.

- 2 Press **WB** (Screen button 6).

The white balance settings will be displayed.

- 3 Press **WB ADD** (Screen button 6).

The color temperature settings will be displayed.



Press **WB EDIT** (Screen button 5) to edit existing preset white balance settings.

- 4 Rotate the selector dial to select color temperature.
  - Press the center of the selector dial to move to the next digit. Press the **BACK** button to return to the previous digit.
  - Press **K/CC** (Screen button 5) to set CC.
- 5 Press **DONE** (Screen button 6).



## Deleting Preset White Balance Settings

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Delete existing preset white balance settings.

---

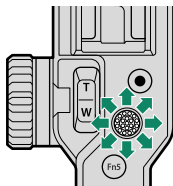
- 1** Press **HOME** in shooting mode.  
The **HOME** options will be displayed on the side monitors.
- 2** Press **WB** (Screen button 6).  
The white balance settings will be displayed.
- 3** Select the preset you want to delete, then press **WB DELETE** (Screen button 4).  
A confirmation dialog for the deletion will be displayed.
- 4** Press two **DELETE** (Screen buttons 4 and 6) simultaneously.  
The selected preset will be deleted.

## Autofocus

Rotate the focus mode selector to **AF** to record using autofocus.

### AF MODE

Use **FOCUS > AF MODE** to choose how the camera focuses. Use the focus stick (focus lever) on the handle to select the position of the focus area and the subject.



### MULTI

The camera selects the focus area automatically.

### TRACKING

Press the focus stick (focus lever) to the center to automatically track focus on the subject in the focus area. Press the button again to stop tracking.

### AREA

The camera focuses on the subject in the selected focus area.



- You can also tap the LCD monitor to change the focus area position or the subject to focus.
- If you are using a lens that allows focus method settings on the lens side, set the lens's focus mode switch to **S** beforehand.

## FOCUS AREA

Use **FOCUS > FOCUS AREA** to set the position to focus on for **TRACKING** or **AREA**. You can also press the **BACK** button to return the focus area to the center.



You can also tap the LCD monitor to change the focus area position.

## Manual Focus

Rotate the focus mode selector to **MF** to record using manual focus.


When using manual focus, adjust the focus in the following ways:

### Focus Ring

Focus manually using the lens focus ring.


### Multi-Function Dial/Function Buttons

You can use the multi-function dial or function buttons to adjust the focus.

 If you are using a lens that allows focus method settings on the lens side, set the lens's focus mode switch to **S** beforehand.

### Multi-Function Dial

Set the multi-function selector dial to **F** and then rotate the multi-function dial to adjust the focus (📖 14).

 You can also use the multi-function dial to adjust the focus when **ON** is selected for **AF+MF**.

### Function Buttons

Press the function buttons to which **MF** **CONSTANT SPEED FOCUS (N)** or **MF** **CONSTANT SPEED FOCUS (F)** is assigned to adjust the focus (📖 181).



## Iris

### Aperture Ring

You can adjust the iris using the aperture ring when using a lens with an aperture ring.

### Recording Setting

Use **RECORDING > IRIS** to adjust the iris. If **AUTO** is selected, the camera automatically adjusts the iris.

### Multi-Function Dial

While **RECORDING > IRIS** is set to an option other than **AUTO**, when a lens with no aperture rings is used or when the lens aperture ring is in the **C** position, you can adjust the iris by setting the multi-function selector dial to **I** and then rotating the multi-function dial (📖 14).

### Function Buttons

Press the function buttons to which **IRIS +** or **IRIS - (OPEN)** is assigned to adjust the iris. Press the function buttons to which **IRIS AUTO** is assigned to toggle whether the camera automatically adjusts the iris (📖 181).

## Zoom

### Zoom Ring

Rotate the lens zoom ring to operate the zoom.

### Power Zoom

When using a compatible power zoom lens, use the following methods to operate the zoom. Set the lens's zoom mode switch to **S** beforehand.

### Multi-Function Dial

When using a compatible power zoom lens, set the multi-function selector dial to **Z** and then rotate the multi-function dial to operate the zoom (📖 14).

### Zoom Lever

When using a compatible power zoom lens, press the zoom lever on the handle to operate the zoom. The zoom speed changes depending on how far you press the zoom lever.

### Function Buttons


When using a compatible power zoom lens, press the function buttons to which **CONSTANT SPEED ZOOM (T)** or **CONSTANT SPEED ZOOM (W)** is assigned to operate the zoom (📖 181).







Use **ZOOM/FOCUS SETTING > CONSTANT SPEED(Fn)** in the **USER** to adjust the zoom speed when using the zoom button.

## Photometry

**RECORDING > PHOTOMETRY** offers a choice of the following metering options:

 The selected option will only take effect if **FOCUS > SUBJECT DETECTION SETTING** is disabled.


Mode	Description
 <b>MULTI</b>	The camera instantly determines exposure based on an analysis of composition, color, and brightness distribution. Recommended in most situations.
 <b>CENTER WEIGHTED</b>	The camera meters the entire frame but assigns the greatest weight to the area at the center.
 <b>SPOT</b>	The camera meters lighting conditions in an area equivalent to 2% of the frame. Recommended with backlit subjects and in other cases in which the background is much brighter or darker than the main subject.
 <b>AVERAGE</b>	Exposure is set to the average for the entire frame. Provides consistent exposure regardless of composition or subjects, and is particularly effective for landscapes and portraits of subjects dressed in black or white.

## Touch Screen Mode

With this camera, the LCD monitor functions as a touch screen.

### LCD Monitor Touch Controls

When **ON** is selected for **TOUCH SCREEN SETTING > TOUCH SCREEN(LCD)** or **PLAY BACK SETTING(LCD)** in **USER**, the following touch controls can be used in shooting and playback modes:

 Only swiping is available during movie playback.

#### Swipe

Swipe a finger across the display to view other files.



#### Double-Tap

Tap the display twice to zoom in on the focus point.



 When tapping the display twice to zoom in shooting mode, **TOUCH SCREEN SETTING > DOUBLE TAP SETTING(LCD)** in **USER** must be enabled beforehand.



## Selecting a Focus Area

When **AF** is selected for **FOCUS > TOUCH SCREEN MODE**, you can reposition the focus area at any time by tapping your subject on the LCD monitor in shooting mode.



When **AREA** is selected for **FOCUS > TOUCH SCREEN MODE**, the focus area will move to the selected point, but the focus will not be adjusted.

## Focus Zoom

When **HIGH** is selected for **TOUCH SCREEN SETTING > DOUBLE TAP SETTING(LCD)** in **USER**, tap the center of the screen twice to enlarge the center of the shooting screen by 6x. When **LOW** is selected, it will be enlarged by 2.5x. Tap the center twice again to return to the original display.

[illegible]

# **Playback and the Playback Menu**

5

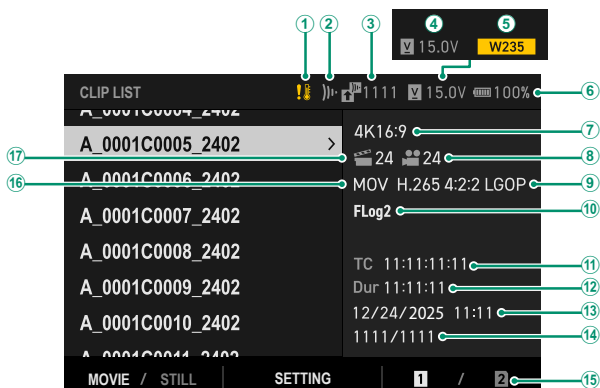
## The Playback Display

The following information is displayed on the side monitors and LCD monitor during playback.

! For illustrative purposes, displays are shown with all indicators lit.

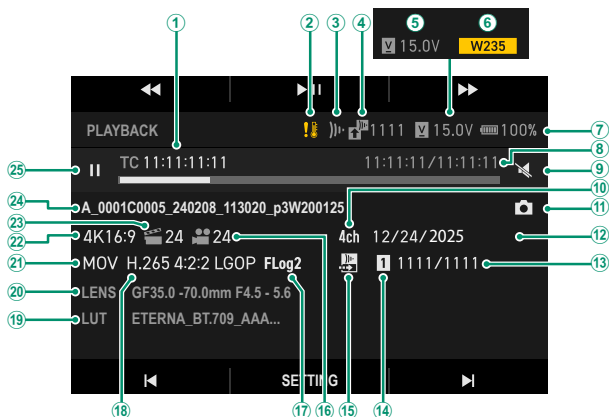
### Side Monitors

#### Display When Selecting a File to Play



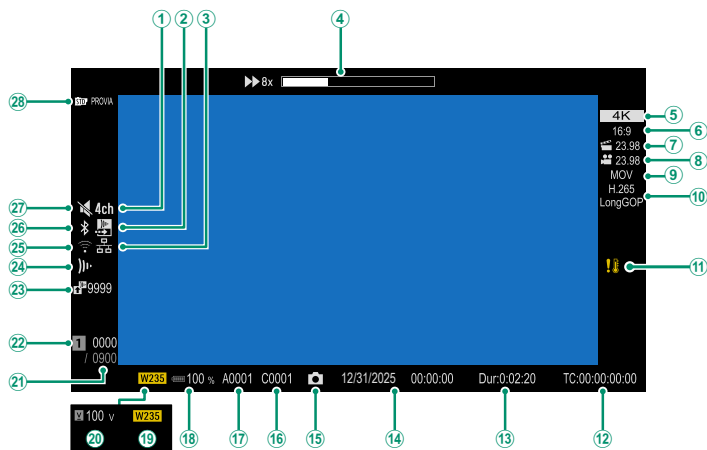
- |                                       |  |
|---------------------------------------|--|
| ① Temperature warning ..... 40, 230   | ⑩ FS/F-Log/HLG..... 120, 122           |
| ② Frame.io connection status..... 104 | ⑪ Time code..... 146                   |
| ③ Frame.io upload progress..... 103   | ⑫ Recording time                       |
| ④ External power source..... 37       | ⑬ Recording date and time..... 58, 171 |
| ⑤ W235 battery mode..... 34           | ⑭ File number/ total number of files   |
| ⑥ NP-W235 battery level ..... 57      | ⑮ Media                                |
| ⑦ Frame size ..... 119                | ⑯ File format..... 124                 |
| ⑧ Recording frame rate..... 70        | ⑰ Project frame rate ..... 119         |
| ⑨ Codec..... 125                      |  |

## Display During File Playback



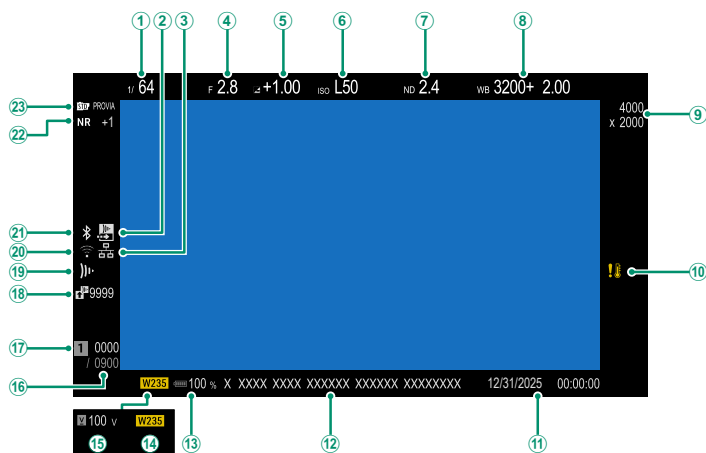
- |  |                                      |
|--|--------------------------------------|
| ① Time code..... 146                   | ⑬ File number/ total number of files |
| ② Temperature warning ..... 40, 230    | ⑭ Card slot                          |
| ③ Frame.io connection status ..... 104 | ⑮ Frame.io file transfer order       |
| ④ Frame.io upload progress..... 103    | ⑯ Recording frame rate..... 70       |
| ⑤ External power source..... 37        | ⑰ FS/F-Log/HLG..... 120, 122         |
| ⑥ W235 battery mode..... 34            | ⑱ Codec..... 125                     |
| ⑦ NP-W235 battery level ..... 57       | ⑲ LUT file                           |
| ⑧ Playback time/ recording time        | ⑳ Lens information                   |
| ⑨ Mute                                 | ㉑ File format..... 124               |
| ⑩ Four-channel (quadrophonic) audio    | ㉒ Frame size ..... 119               |
| recording ..... 144                    | ㉓ Project frame rate ..... 119       |
| ⑪ Grab..... 66                         | ㉔ Clip name                          |
| ⑫ Recording date and time..... 58, 171 | ㉕ Playback status                    |

## Display During Movie Playback



- |  |                                       |
|--|---------------------------------------|
| ① Four-channel (quadrophonic) audio recording..... 144 | ⑮ Grab..... 66                        |
| ② Frame.io file transfer order                         | ⑯ Clip No.                            |
| ③ Ethernet connection                                  | ⑰ Reel No..... 126                    |
| ④ Playback status                                      | ⑱ NP-W235 battery level..... 57       |
| ⑤ Resolution..... 119                                  | ⑲ W235 battery mode..... 34           |
| ⑥ Aspect ratio..... 119                                | ⑳ External power source..... 37       |
| ⑦ Recording frame rate..... 70                         | ㉑ File number/ total number of files  |
| ⑧ Project frame rate..... 119                          | ㉒ Card slot                           |
| ⑨ File format..... 124                                 | ㉓ Frame.io upload progress..... 103   |
| ⑩ Codec..... 125                                       | ㉔ Frame.io connection status..... 104 |
| ⑪ Temperature warning..... 40, 230                     | ㉕ Wireless connection                 |
| ⑫ Time code..... 146                                   | ㉖ Bluetooth ON/OFF                    |
| ⑬ Recording time                                       | ㉗ Mute                                |
| ⑭ Recording date and time..... 58, 171                 | ㉘ LOOK media FS/F-Log/HLG..... 120    |

## Display During Still Image Playback



- |   |   |
|---|---|
| ① Shutter speed..... 72                         | ⑬ NP-W235 battery level..... 57                         |
| ② Frame.io file transfer order                  | ⑭ W235 battery mode..... 34                             |
| ③ Ethernet connection                           | ⑮ External power source..... 37                         |
| ④ Aperture..... 83                              | ⑯ File number/ total number of files                    |
| ⑤ Exposure compensation..... 127                | ⑰ Card slot   |
| ⑥ Sensitivity..... 71                           | ⑱ Frame.io upload progress..... 103                     |
| ⑦ ND (Neutral Density) filter indicator..... 73 | ⑲ Frame.io connection status..... 104                   |
| ⑧ White balance..... 76                         | ⑳ Wireless connection                                   |
| ⑨ Image size                                    | ㉑ Bluetooth ON/OFF                                      |
| ⑩ Temperature warning..... 40, 230              | ㉒ Noise reduction                                       |
| ⑪ Recording date and time..... 58, 171          | ㉓ Film simulation/F-Log/<br>HLG recording..... 120, 122 |
| ⑫ File name                                     |   |

## Switching Information Display

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Press **DISP** to enable or disable the information display.



## The Playback Menu

Adjust playback settings for clips.

### SDI/HDMI OUTPUT SETTING

Set whether to output the playback display to the external output connectors.

#### SDI OUTPUT SETTING

Set whether to output the playback display to the SDI OUT connector.

Options	
ON	OFF

#### HDMI OUTPUT

Set whether to output the playback display to the HDMI OUT connector.

Options	
ON	OFF

#### SDI/HDMI OUTPUT RESOLUTION

Set the resolution of the footage output to the SDI OUT and HDMI OUT connectors.

Options			
8K	4K	4K DCI	FHD



This is a common setting with **SDI/HDMI OUTPUT SETTING > SDI/HDMI OUTPUT RESOLUTION** in **MONITOR SETTING**.

## VOLUME


Adjust the volume for movie playback.

Options										
0	1	2	3	4	5	6	7	8	9	10

## 4ch AUDIO PLAYBACK

Adjust audio settings for use when viewing 4ch clips.

Option	Description
<b>XLR</b>	The camera plays audio recorded via external microphones connected via the XLR microphone adapter.
<b>CAMERA</b>	The camera plays audio recorded via the camera's built-in microphone or external microphones connected via the microphone connector.

 You can also switch sources while viewing the playback display by pressing the **Fn5** button.

## DESQUEEZE DISP. IN PLAYBACK

You can configure whether to use the desqueeze display when playing back clips recorded with anamorphic lenses.

Options	
ON	OFF

# 6

## Network Connection

## Overview

This chapter outlines features that can among other things be used to upload clips to, or control the camera and take clips remotely from, a smartphone or computer.

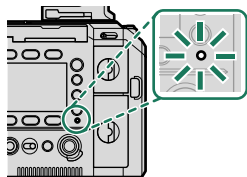
## Supported Features

This camera supports the following features:

Feature	Description	
<b>Upload to Frame.io</b>	Upload files to Frame.io.	103
<b>Remote movie recording</b>	Control the camera and record movies remotely using a web browser on a computer or tablet.	105

## Camera Indicator Lamp Display

The camera indicator lamp shows the status of its connection to Frame.io and the like.



Indicator lamp	Connection status
<b>Blinks red</b>	No network connection.
<b>Glow red</b>	No network connection; files awaiting upload.
<b>Blinks orange</b>	Connected to network but not to Frame.io.
<b>Blinks orange and red</b>	Connected to network but not to Frame.io; files awaiting upload.
<b>Blinks green</b>	Ready for upload to Frame.io.
<b>Blinks green and red</b>	Ready for upload to Frame.io; files awaiting upload.

## Connecting to the Network

When using network functions, you must configure the settings for network connection in advance.

### Connecting via Wireless LAN



You cannot connect to a network in the following cases:

- When the wireless LAN function is turned off.
- When the camera is powered only by the supplied battery.

### Connecting to a Detected Network

Select a network from those that the camera automatically detected to connect to.

- 1 Select **NETWORK > WIRELESS LAN**.
- 2 A list of automatically detected networks is displayed.  
Select the network you want to connect to.



- Press **ON/OFF** (Screen button 4) to enable or disable the wireless LAN function.
- Press **ADD** (Screen button 6) to connect to a network that is not displayed (📖 100).

- 3 Enter the network password.
- 4 The camera connects to the network.

## Connecting to a Registered Network

Networks once connected will be registered on the camera. Select a registered network to connect to or adjust the settings.

- 1 Select **NETWORK > WIRELESS LAN**.
- 2 A list of automatically detected networks is displayed. Select a registered network.
- 3 Select **CONNECT TO NETWORK**.
  -  Select **PASSWORD** to change the registered password.
  - Select **IP ADDRESS SETTING** to switch between automatic and manual IP address assignment. For manual assignment, use **MANUAL IP ADDRESS SETTING** to enter the IP address, subnet mask, gateway, and DNS server information.
  - Select **DELETE NETWORK** to delete the registration information for the selected network.
- 4 The camera will be connected to the network.

## Connecting to a Network Manually

Manually register network information and connect to networks that do not appear on the automatic detection list.

- 1 Select **NETWORK > WIRELESS LAN**.
- 2 A list of automatically detected networks is displayed.

### 3 Press **ADD** (Screen button 6).



Press **ON/OFF** (Screen button 4) to enable or disable the wireless LAN function.

### 4 The method for adding a network is displayed. Select **ENTER SSID AND ADD**.



Select **ADD USING WPS BUTTON** to press the WPS button on the wireless LAN router and connect to the network.

### 5 Select **SSID** to enter the SSID. Enter the network SSID on the input screen.

### 6 Select **PASSWORD** to enter the password. Enter the network password on the input screen.

### 7 Set the IP address assignment method.

- Select **AUTO** to allow the camera to automatically obtain an IP address.
- When **MANUAL** is selected, use **MANUAL IP ADDRESS SETTING** to enter the IP address, subnet mask, gateway, and DNS server information.

### 8 Select **DONE**. The camera will be connected to the network.

## Connecting via Wired LAN



The camera cannot be connected to a network when the camera is powered only by the supplied battery.

- 1 Connect the camera to a network using a LAN cable.
- 2 Select **NETWORK > WIRED LAN SETTING**.
- 3 Set the IP address assignment method.
  - Select **AUTO** for **IP ADDRESS SETTING** to allow the camera to automatically obtain an IP address.
  - When **MANUAL** is selected for **IP ADDRESS SETTING**, use **MANUAL IP ADDRESS SETTING** to enter the IP address, subnet mask, gateway, and DNS server information.
- 4 The camera will be connected to the network.



## Uploading Files to Frame.io

Upload files to Frame.io (📖 206).



Confirm that the camera clock is set to the correct time and date before proceeding.

### Connecting to Frame.io

- 1 Connect the camera to a network (📖 99).
- 2 Select **NETWORK > Frame.io Camera to Cloud**.  

The first time you start up Frame.io, a screen introducing its features will be displayed. Press **CLOSE** (Screen button 5) to proceed to the next screen.
- 3 Select **CONNECT**.
- 4 Select **CONNECT** from the options **CONNECT** or **DISCONNECT**.
- 5 Select **GET PAIRING CODE**.  
A pairing code will be displayed.
- 6 Sign in to Frame.io from a computer or other device and enter the pairing code displayed on the camera.

## Uploading Files to Frame.io

### Uploading Files as They Are Taken




Files shot with **ON** selected for **UPLOAD SETTING > AUTO IMAGE TRANSFER ORDER** in **Frame.io Camera to Cloud** are automatically marked for upload.

### Selecting Files for Upload During Playback

Press the **Fn1** or **Fn3** button on the playback display to schedule or cancel uploads.

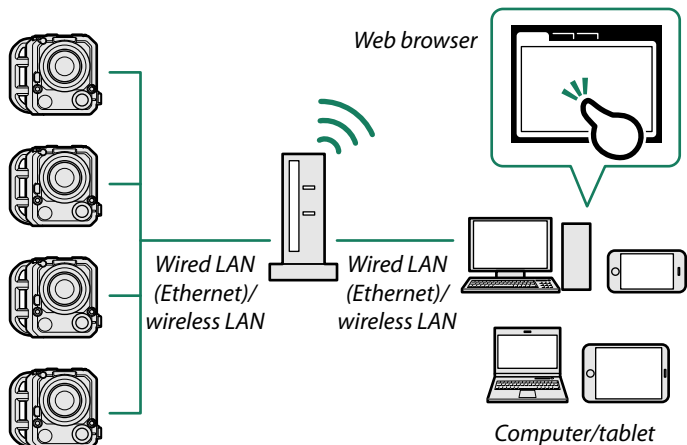
#### Connection Status

The connection status with Frame.io can be checked by the icon displayed on the side monitors.

Icon	Connection status
 frame.io (white)	Connected to Frame.io.
 frame.io (gray)	Not connected to Frame.io.
 frame.io (red)	Frame.io server has set camera status to "paused". To restore connection, clear "paused" status using a computer or other device.

## Remote Movie Recording Using a Web Browser

The camera supports remote movie recording. You can connect to up to four cameras using a web browser on a computer or tablet and record movies or adjust camera settings.



## Configuring the Camera Settings

Configure settings to connect to the camera from a browser on a computer or tablet.

- 1 Select **REMOTE REC FUNCTION** > **USER NAME** in **NETWORK** to register a user name.
- 2 Select **REMOTE REC FUNCTION** > **PASSWORD** to register a password.
- 3 Select **REMOTE REC FUNCTION** > **SERVER TYPE** to set a server type.



**HTTPS** is selected at shipment. Importing a root certificate into the browser on your computer or tablet is required when **HTTPS** is selected.

- 4 Connect to the camera from a computer or tablet (📖 107).

### Connecting via HTTPS


If you selected **HTTPS** for **SERVER TYPE**, you will need to import a root certificate into the browser on your computer or tablet. Instructions on downloading and installing a root certificate are available from the following website:

<https://fujifilm-dsc.com/en/manual/rootcer/>



## Connecting to the Camera from a Computer or Tablet

Connect to the camera from a web browser on a computer or tablet.

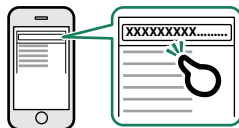
 We recommend using (connecting via) a high-speed access point (for example, one that operates in the 5 GHz band).


### Connecting the First Camera

Connect by using a web browser to enter the IP address or using a camera app to scan the QR code displayed by the camera.

#### Connecting using an IP address

- 1 Launch a web browser on your computer or tablet and enter the camera's IP address in the address bar. To connect to a camera with an IP address of 192.168.0.11, for example, enter "http://192.168.0.11".



 The camera's IP address can be viewed in **NETWORK > REMOTE REC FUNCTION**.


- 2 An entry screen appears. Enter the user name and password. The remote recording display will appear in the browser.

### Connecting by scanning a QR code

- 1 Select **REMOTE REC FUNCTION > QR CODE** in **NETWORK**.  
A QR code will be displayed on the side monitors.
- 2 Launch the camera application on the tablet and scan the QR code.  
The web browser launches, and the remote recording display appears.


### Connecting a Second or Subsequent Camera

Either enter the IP address in the remote recording display in the web browser or scan the QR code to connect.

 When you connect a second or subsequent camera, set the same **SERVER TYPE** as the first camera beforehand (📖 106).

### Connecting using an IP address

- 1 Click or tap the thumbnail of the + mark in the “Choose camera” area of the remote recording display.
- 2 An entry screen appears. Enter the camera’s IP address and an account name and password.  
The remote recording display will appear in the browser.

 The camera's IP address can be viewed in **NETWORK > REMOTE REC FUNCTION**.

## **Connecting by scanning a QR code**



To connect a second or subsequent camera by scanning a QR code, set **SERVER TYPE** of the first camera and second and subsequent cameras to **HTTPS** in advance.

- 1 Select **REMOTE REC FUNCTION > QR CODE** in **NETWORK**.  
A QR code will be displayed on the side monitors.
- 2 Tap the thumbnail of the + mark in the “Choose camera” area.
- 3 Tap “Connect via QR Code” to scan the QR code displayed by the camera.


The remote recording display will appear in the browser.

### **Disconnecting a Second or Subsequent Camera**

To end a connection after adding a camera, select the “remove connected device” option in the “Remote recording” menu and click or tap the thumbnail for the camera you want to remove.

## The Remote Recording Display

The controls available in the remote recording display are detailed below.

 The display layout varies with the size of the computer or tablet screen, among other factors.

### Overview





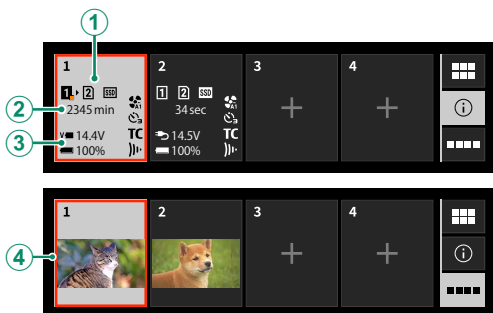
Item	Description
① <b>Remote recording menu</b>	Adjust remote recording settings (📖 113).
② <b>Lock button</b>	Enable or disable the controls for the selected cameras or in the remote recording display.
③ <b>Screen button</b>	Switch the view through the lens of the camera to a multi-screen view.
④ <b>Display mode button</b>	Switch displays.
⑤ <b>Check button for movies in memory card</b>	View the clips on the memory card in the selected camera.
⑥ <b>Camera settings (advanced)</b>	Adjust (advanced) settings for the current camera.
⑦ <b>REC-Hold button</b>	Lock the start/stop operation of movie recording.
⑧ <b>REC button</b>	Start movie recording.
⑨ <b>Choose for REC/STOP</b>	Choose the camera or cameras to which the selected action (starting or stopping recording) will apply.
⑩ <b>STOP button</b>	Stop movie recording.
⑪ <b>Choose camera</b>	A list of thumbnails showing the views through the lenses of the connected cameras. Click or tap a thumbnail to select a camera to control.
⑫ <b>GRAB button</b>	Save still images.
⑬ <b>Camera settings</b>	Adjust settings for the current camera.



If the connection is disconnected while locked, the camera operations will remain locked. In that case, turn the camera off.

## Choose Camera

The views through the lenses and camera information of the connected camera are displayed as thumbnails. Click or tap a thumbnail to select a camera to control.



Setting	Description
① <b>Card slot options</b>	Camera storage settings. The icon for the current slot is shown in orange. The display turns red if the camera is unable to record to the current card.
② <b>Recording time available</b>	The remaining recording time. When the time remaining grows short, the thumbnail will flash and the recording time will be displayed in red.
③ <b>Power supply</b>	Display the power supply voltage and the remaining battery level of the supplied battery. The thumbnail will blink when the supplied battery runs low.
④ <b>Thumbnail frame</b>	A frame appears around the thumbnail for the current camera. Regardless of whether they are currently selected, cameras that are currently recording are highlighted in red or, during high-speed recording, in green.

## Remote Recording Menu

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Adjust remote recording settings.

### **Show microphone level**

Hide or view the microphone recording level.

### **Show tool bar**

Hide or view the browser toolbar.

### **Clean display mode**

Switch to clean display mode, which displays only the view through the lens.

### **Display with Image quality priority/Real-time performance priority**

Choose how you prefer the view through the lens to be displayed, giving priority either to image quality or to ensuring that the picture updates in real time.



- Prioritizing image quality maximizes image quality but may result in display lag.
- Prioritizing real-time display keeps display lag to a minimum regardless of such factors as connection speed.

### **Light mode/Dark mode**

Switch between the light- and dark-mode remote recording displays.

### **Stop the camera connection**

Click or tap a thumbnail in the “Choose camera” area to end the connection to the selected camera.

## Recording Movies Remotely

Start recording on one or more remote cameras or end recording on selected cameras without ending recording on others.

- 1 The cameras to which the chosen action (starting or stopping recording) will apply can be selected in the “Choose for REC/STOP” area.

Select cameras by clicking or tapping the numbers in the “Choose for REC/STOP” area. The numbers for the selected cameras will be highlighted.

- 2 Click or tap the “REC button”.

The selected cameras will start recording and their thumbnails will be highlighted in color.

- 3 To end recording, select the desired cameras in the “Choose for REC/STOP” area.

Select cameras by clicking or tapping the numbers in the “Choose for REC/STOP” area. The numbers for the selected cameras will be highlighted.

- 4 Click or tap the “STOP button”.

The selected cameras will stop recording.

## Viewing Movies

View clips stored on the camera memory card.

- 1 Select a camera in the “Choose camera” area.
- 2 Click or tap the “Check button for movies in memory card”.  
The files on the camera memory card will be displayed.

## Saving and Loading Camera Settings

Save settings for connected cameras to the computer or tablet or load previously-saved settings.

### Saving Camera Settings

Save camera settings to a settings file on the computer or tablet.

- 1 Select a camera in the “Choose camera” area.
- 2 Select “Backup” in the “Camera settings (advanced)” menu.
- 3 Click or tap “Save settings”.  
Settings for the selected camera will be saved to a settings file on the computer or tablet.

### Loading Saved Settings

Load saved settings onto a selected camera.

- 1 Select a camera in the “Choose camera” area.
- 2 Select “Restore” in the “Camera settings (advanced)” menu.
- 3 Select the desired settings file and click or tap “Load settings”.  
The settings will be copied to the selected camera.



- The location and procedure for loading files varies with the computer or tablet.
- Only files created with cameras of the same type can be used.

## Copying Settings to Other Cameras

Settings can be copied to multiple cameras simultaneously.

- 1 Select the source camera in the “Choose camera” area.
- 2 Select “Copy” in the “Camera settings (advanced)” menu.
- 3 Select the destination cameras and click or tap “Copy”.  
The settings currently in effect on the source camera will be copied to the destination cameras.



Only files created with cameras of the same type can be used.

## **The Menu**

7

## PROJECT

Adjust the project setting for movie recording.

### IMAGE FORMAT

You can set the format of movies to be shot depending on the lens to be used.

#### IMAGE FORMAT

Select the format of movies to be shot depending on the lens to be used. Resolution and aspect ratio are set by **RESOLUTION**.

Option	Description
<b>GF</b>	Shoot in the optimal format for GF Series lenses.
<b>Premista</b>	Shoot in the optimal format for Premista Series lenses.
<b>35mm</b>	Shoot in the optimal format for 35-mm format lenses.
<b>ANAMORPHIC(35mm)</b>	Shoot in the optimal format for anamorphic lenses. You can configure the lens magnification or whether to use the desqueeze display when recording movies using <b>MAGNIFICATION</b> or <b>DESQUEEZE DISP. IN RECORDING</b> .
<b>Super35</b>	Shoot in the optimal format for Super 35mm format lenses.

#### MAGNIFICATION


Set the lens magnification when shooting with anamorphic lenses.

Options				
<b>2X</b>	<b>1.8X</b>	<b>1.5X</b>	<b>1.33X</b>	<b>1.3X</b>



## DESQUEEZE DISP. IN RECORDING

Choose whether to use the desqueeze display when shooting with anamorphic lenses.

Options	
ON	OFF
 <ul style="list-style-type: none"> <li>When <b>ANAMORPHIC(35mm)</b> is set, an image stabilization operates to match the configured magnification. Do not set <b>ANAMORPHIC(35mm)</b> when using a lens other than an anamorphic lens.</li> <li>When <b>SDI/HDMI OUTPUT SETTING &gt; SDI/HDMI OUTPUT INFO DISPLAY</b> in <b>MONITOR SETTING</b> is set to <b>OFF</b>, SDI output or HDMI output does not use the desqueeze display, even when desqueeze display is enabled for <b>ANAMORPHIC(35mm)</b>.</li> </ul>	

## RESOLUTION

Choose a combination of resolution and aspect ratio for movie recording. The options available vary with the format.

## PROJECT FPS

Set a frame rate for the movie file to be recorded.

Options			
23.98	24	25	29.97
47.95	48	50	59.94

## F-Log/HLG/RAW

Specify the gamma and color gamut for the movie to be recorded and whether to output RAW footage.

### MEDIA REC/LCD OUTPUT

Specify the gamma and color gamut for the movie to be recorded to a memory card or SSD and movie to be displayed on the LCD monitor.

Options				
<b>FILM SIMULATION</b>	<b>F-Log2</b>	<b>F-Log2 C</b>	<b>F-Log</b>	<b>HLG</b>

### SDI/HDMI OUTPUT

Specify the gamma and color gamut for the movie to be output from the SDI or HDMI connector.

Options				
<b>FILM SIMULATION</b>	<b>F-Log2</b>	<b>F-Log2 C</b>	<b>F-Log</b>	<b>HLG</b>



The gamma/color gamut for each setting value is as follows:

- **FILM SIMULATION:** Film Simulation/Rec.709
- **F-Log:** F-Log/F-Gamut
- **F-Log2:** F-Log2/F-Gamut
- **F-Log2 C:** F-Log2/F-Gamut C
- **HLG:** BT.2100 (HLG)












## SDI/HDMI OUTPUT RAW SETTING










Choose whether to output RAW movie from the SDI or HDMI connector for an external recorder.


Options		
ATOMOS RAW	Blackmagic RAW	OFF

## FILM SIMULATION

Select the type of film simulation.

Option	Description
 <b>PROVIA/STANDARD</b>	Ideal for a wide range of subjects.
 <b>Velvia/VIVID</b>	Vibrant reproduction, ideal for landscape and nature.
 <b>ASTIA/SOFT</b>	Softer color and contrast for a more subdued look.
 <b>CLASSIC CHROME</b>	Soft color and enhanced shadow contrast for a calm look.
 <b>REALA ACE</b>	Faithful color reproduction with hard tonality suitable for various scenes.
 <b>PRO Neg. Hi</b>	Ideal for portrait with slightly enhanced contrast.
 <b>PRO Neg. Std</b>	Neutral tonality, best for editing images. Ideal for portrait with soft gradations and skin tones.
 <b>CLASSIC Neg.</b>	Enhanced color with hard tonality to increase image depth.
 <b>NOSTALGIC Neg.</b>	Amber tinted highlights and rich shadow tone for printed photo look.
 <b>ETERNA/CINEMA</b>	Soft color and rich shadow tone suitable for film look movie.
 <b>ETERNA BLEACH BYPASS</b>	Unique color with low saturation and high contrast. Suitable for still and movie.

Option	Description
 <b>ACROS</b>	<p>Shoot in Black and White In rich details with sharpness. Available with yellow (<b>Ye</b>), red (<b>R</b>), and green (<b>G</b>) filters, which deepen shades of gray corresponding to hues complementary to the selected color.</p> <ul style="list-style-type: none"> <li>•  <b>ACROS+Ye FILTER</b>: Slightly enhances contrast and darkens skies.</li> <li>•  <b>ACROS+R FILTER</b>: Enhances contrast and darkens skies considerably.</li> <li>•  <b>ACROS+G FILTER</b>: Produces pleasing skin tones in portrait.</li> </ul>
 <b>MONOCHROME</b>	<p>Shoots in black and white. Available with yellow (<b>Ye</b>), red (<b>R</b>), and green (<b>G</b>) filters, which deepen shades of gray corresponding to hues complementary to the selected color.</p> <ul style="list-style-type: none"> <li>•  <b>MONOCHROME+Ye FILTER</b>: Slightly enhances contrast and darkens skies.</li> <li>•  <b>MONOCHROME+R FILTER</b>: Enhances contrast and darkens skies considerably.</li> <li>•  <b>MONOCHROME+G FILTER</b>: Produces pleasing skin tones in portrait.</li> </ul>
 <b>SEPIA</b>	<p>Shoots in sepia tone.</p>

-  Film simulation options can be combined with tone and sharpness settings.
- Film simulation settings can also be accessed via shortcuts (📖 180).
- For more information, visit:  
<https://fujifilm-x.com/products/film-simulation/>

## LUT SETTING

Select the LUT to apply to each type of footage. LUT settings recorded on the memory card can also be loaded into the camera for use.

Options				
<b>FILM SIMULATION</b>	<b>F-Log2</b>	<b>F-Log2 C</b>	<b>F-Log</b>	<b>HLG</b>

## MEDIA REC SETTING

Choose settings for clips to be recorded internally.

### REC MEDIA

Choose the recording destination for the clips.

Options		
<b>SLOT 1</b>	<b>SLOT2</b>	<b>SEQUENTIAL</b>
<b>BACKUP</b>	<b>SSD</b>	<b>SDI/HDMI OUTPUT ONLY</b>

### FILE FORMAT

Choose the container format for the clips to be recorded.

Options	
<b>MOV</b>	<b>MXF</b>

## MEDIA REC SETTING

Choose the codec for the clips to be recorded.

Options				
<b>H.265 422 Long GOP</b>	<b>H.265 422 ALL-Intra</b>	<b>ProRes HQ</b>	<b>ProRes 422</b>	<b>ProRes LT</b>

## ProRes PROXY

Choose whether the camera simultaneously records a duplicate “proxy” video with movies shot in ProRes format.

Options		
<b>H.264</b>	<b>ProRes Proxy</b>	<b>OFF</b>

## BITRATE

Choose the bitrate for the clips to be recorded.

Options				
<b>50Mbps</b>	<b>100Mbps</b>	<b>200Mbps</b>	<b>360Mbps</b>	<b>720Mbps</b>



- The options available for bit rate vary with the settings chosen for high-speed movie recording and compression. The actual bit rate may be slower than the selected value depending on the subject.
- The bit rate for ProRes movies is set automatically according to the format, frame rate, and the type of ProRes. For more information, visit the Apple website.

## CLIP SETTING

Set the information applied to the recorded movies.

### CAMERA ID

Set the camera name.

### REEL NO

Set the starting number for the sequential number to be added to the file name.



## RECORDING

Adjust shooting settings.

### IRIS

Choose the iris when using a lens with no aperture ring or when the lens aperture ring is in the **C** position. If **AUTO** is selected, the camera automatically adjusts the iris.

### IRIS DISP

Set the method for displaying the aperture value.

Options	
T NUMBER	F NUMBER

### EXP. COMPENSATION

Adjust the exposure compensation. Set the exposure from -2 to +2 stops in increments of 1/4 EV.

### PHOTOMETRY

Set the photometry mode.

Options			
MULTI	CENTER WEIGHTED	SPOT	AVERAGE

## SELF-TIMER

Choose whether to use the self-timer. Set the time delay between pressing **REC** and starting the recording.

Options			
OFF	3 SEC	5 SEC	10 SEC

## IS SETTING

Set the image stabilization mode.

### IS MODE

Set whether to use the lens's optical image stabilization (OIS) and/or the camera's digital image stabilization (DIS).

Options		
OIS	OIS+DIS	OFF

### IS MODE BOOST

Choose the image stabilization level.

Options	
ON	OFF



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

## PERIPHERAL ILLUMINATION CORRECTION

Set whether to correct the peripheral illumination.

Options	
ON	OFF

## MOUNT ADAPTOR SETTING

Adjust settings when using a mount adapter. Store lens settings individually for **LENS 1** to **LENS 6**. Choose **OFF** to disable corrections.

### LENS REGISTRATION

Store the lens name.

### FOCAL LENGTH SETTING

Set the focal length.

### DISTORTION CORRECTION

Correct "distortion" which causes the edges of the footage to be distorted.

Options			
BARREL STRONG	BARREL MEDIUM	BARREL WEAK	OFF
PINCUSHION WEAK	PINCUSHION MEDIUM	PINCUSHION STRONG	

## COLOR SHADING CORRECTION

Adjust color (shading) variations between the center and edges of the footage separately for each corner (**TOP LEFT**, **TOP RIGHT**, **BOTTOM LEFT**, **BOTTOM RIGHT**) within a range from -9 to +9.

## PERIPHERAL ILLUMINATION CORRECTION

Correct the peripheral illumination of the footage.

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



## GENLOCK

If a device that can be synchronized with the Genlock connector is connected and the project FPS is the same, select **ON** to align the phase of the footage to be recorded.

Options	
ON	OFF

### Synchronization Status

When **ON** is selected, the icon on the screen shows the synchronization status.

Icon	Description
	Synchronized with other devices.
	Synchronizing in progress, or not synchronized with other devices.



## IMAGE QUALITY

Adjust image quality settings.

### TONE CURVE

With reference to a tone curve, adjust the appearance of high-lights or shadows, making them harsher or softer. Choose higher values to make shadows and highlights harsher, lower values to make them softer.

Option	Description
HIGHLIGHTS	-2 to +4
SHADOWS	-2 to +4

### COLOR

Set the color density of the footage. Choose higher values to make the footage color more dense, lower values to make it less dense.

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

### SHARPNESS

Sharpen or soften the outlines of the footage. Choose higher values to sharpen outlines, lower values to soften outlines.

Options								
0	+1	+2	+3	+4	+5	+6	+7	+8

## NOISE REDUCTION

Reduce noise in movies shot at high sensitivities. Choose higher values to reduce noise and smooth outlines, lower values to leave outlines visible.

Options								
0	+1	+2	+3	+4	+5	+6	+7	+8

## INTERFRAME NR

Select **AUTO** to automatically adjust interframe noise reduction according to shooting conditions.

Options	
<b>AUTO</b>	<b>OFF</b>



"Ghosting" may occur with moving subjects or if the camera is moved during shooting.

## MONOCHROMATIC COLOR

Add a reddish or bluish tinge (warm or cool color cast) to the **A** **ACROS** and **B** **MONOCHROME** monochrome film simulations. Color can be adjusted on the **WARM–COOL** and **G (Green)–M (Magenta)** axes.

Option	Description
<b>MC</b>	-18 to +18
<b>MG</b>	-18 to +18

## F-Log2/ C D RANGE PRIORITY

Choose whether to make the dynamic range wider when shooting F-Log2 movies with movie format set to **GF** or **Premista**, resolution set to **4K17:9** or **4K16:9**, and a frame rate of 30 fps or less. The rolling shutter effect may occur when this setting is enabled.

Options	
<b>ON</b>	<b>OFF</b>

## FOCUS

Adjust focus settings.

### AF MODE

Choose how the camera focuses during movie recording.

Option	Description
<b>MULTI</b>	The camera selects the focus area automatically.
<b>TRACKING</b>	The camera tracks the subject automatically.
<b>AREA</b>	The camera focuses on the subject in the selected focus area.

### FOCUS AREA

Choose the focus area for autofocus (📖 80). You can also select the area for manual focus and focus zoom.

### ROTATE FOCUS POINT

Choose whether focus-area selection is bounded by the borders of the display or “wraps around” from one edge of the display to another.

Option	Description
<b>ON</b>	Focus-area selection “wraps around” from one edge of the display to another.
<b>OFF</b>	Focus-area selection is bounded by the borders of the display.



## AF-C CUSTOM SETTINGS

Select focus-tracking options for autofocus.

### 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.

### AF SPEED

Select the focus response speed.

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

## SUBJECT DETECTION SETTING

The camera automatically detects and focuses on a subjects of a selected type.








### SUBJECT DETECTION

Enable or disable the subject detection.

Options	
ON	OFF

### SELECT

Select the type of subjects to be detected.

Option	Description
 <b>FACE</b>	The camera detects and tracks focus on human faces.
 <b>ANIMAL</b>	The camera detects and tracks focus on dogs and cats.
 <b>BIRD</b>	Camera detects and tracks focus on birds and insects.
 <b>AUTOMOBILE</b>	The camera detects and tracks focus on the body or front ends of cars, primarily those of types used for motor sports.
 <b>BIKE</b>	The camera detects and tracks focus on the riders of motorcycles and bicycles.
 <b>AIRPLANE</b>	The camera detects and tracks focus on the cockpits, noses, or bodies of airplanes and drones.
 <b>TRAIN</b>	The camera detects and tracks focus on the driver compartments or front ends of trains.



- A single subject of the chosen type detected in or near the focus area will be marked with a white frame.
- If multiple subjects are detected in the focus area, the camera will select one automatically.
- You can choose a different subject by tapping the LCD monitor to reposition the focus area.
- If the selected subject leaves the frame, the camera will wait a set time for its return and consequently the white frame may sometimes appear in locations where no subject of the chosen type is seen.
- Subject detection options can also be accessed via shortcuts (📖 180).

## AF+MF

Select **ON** to enable manual focus while shooting with autofocus. Press the function button to which **AF-ON** is assigned to cancel manual focus.

Options	
<b>ON</b>	<b>OFF</b>

## INSTANT AF SETTING

Choose how the camera focuses using autofocus when a button to which focus lock or **AF-ON** is assigned is pressed in manual focus.

Option	Description
<b>AF-S</b>	The camera focuses when the button is pressed.
<b>AF-C</b>	The camera focuses while the button is pressed.

## AF RANGE LIMITER

Limit the range of available focus distances for increased focus speed.

### LIMITER SELECT

Enable or disable the AF range limiter and set the focus range.

Option	Description
<b>PRESET2</b>	Limit focus to a range from 5 m to infinity.
<b>PRESET1</b>	Limit focus to a range from 2 m to infinity.
<b>CUSTOM</b>	Limit focus to a range of distances defined by a minimum and maximum.
<b>OFF</b>	Focus limiter disabled.

## CUSTOM SETTING

Set the minimum and maximum distances when **CUSTOM** is selected for **LIMITER SELECT**.

- ❗ • Choosing a focus range that includes distances shorter than the minimum focus distance of the lens disables the focus limiter.
  - The values listed and displayed for the focus limiter may differ from the actual focus distance.
  - Focus range can be set independently when using lenses equipped with focus range selectors. Be sure that the option selected in the camera menus overlaps with that chosen with the lens.
  - The focus limiter will be disabled when **SUBJECT DETECTION SETTING** is on.
- 📱 The following additional operations can be performed when **CUSTOM** is selected:
- You can tap two objects on the LCD monitor to choose the focus range.
  - Instead of tapping an object in the display, you set the maximum focus distance to infinity by rotating the focus ring.

## FOCUS CHECK

The display will automatically zoom in on the selected focus area when the focus ring is rotated in manual focus mode.

Options		
LOW	HIGH	OFF



- Press the focus stick (focus lever) to cancel focus zoom.
- The zoom position is centered on the current focus area and changes when the focus area is changed.

## FOCUS CHECK LOCK

Choose whether focus zoom remains in effect once movie recording begins.

Options	
ON	OFF

## TOUCH SCREEN MODE

Choose the shooting operations performed using touch controls on the LCD monitor.

Mode	Description
<b>AF</b>	<ul style="list-style-type: none"> <li>When using autofocus, 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 <b>AF OFF</b> icon.</li> <li>When using manual focus, you can tap the display to focus on the selected subject using autofocus.</li> </ul>
<b>AREA</b>	Tap to select a point for focus or zoom. The focus frame will move to the selected point.
<b>OFF</b>	Touch screen mode off.



In **AREA** mode, the focus area will move to the selected point, but the focus will not be adjusted.

## AUDIO SETTING

Adjust audio settings.

### INT MIC LEVEL ADJUSTMENT

Adjust the recording level for the built-in microphone.

#### INT MIC LEVEL ADJUSTMENT

Option	Description
<b>AUTO</b>	The camera adjusts the recording level automatically.
<b>MANUAL</b>	Adjust the recording level manually.
<b>OFF</b>	Turn the built-in microphone off.

#### MANUAL SETTING

When **MANUAL** is selected for **INT MIC LEVEL ADJUSTMENT**, the microphone level can be set in 20 steps. Set the microphone level from -30 dB to +6 dB in 1.5 dB increments.

### EXT MIC LEVEL ADJUSTMENT

Adjust the recording level for external microphones.

#### EXT MIC LEVEL ADJUSTMENT

Option	Description
<b>AUTO</b>	The camera adjusts the recording level automatically.
<b>MANUAL</b>	Adjust the recording level manually.
<b>OFF</b>	Disable recording using external microphones.



## MANUAL SETTING

When **MANUAL** is selected for **EXT MIC LEVEL ADJUSTMENT**, the microphone level can be set in 20 steps. Set the microphone level from -30 dB to +6 dB in 1.5 dB increments.

## MIC JACK SETTING

Specify the type of hardware connected to the microphone connector.

Option	Description
<b>MIC</b>	Choose this option for direct connection to an external microphone.
<b>LINE</b>	Choose this option for external audio devices connected via line output.

## MIC LEVEL LIMITER

Reduces distortion caused by input that exceeds the limits of the microphone's audio circuits.

Options	
<b>ON</b>	<b>OFF</b>

## WIND FILTER

Choose whether to enable wind noise reduction.

Options	
<b>ON</b>	<b>OFF</b>

## LOW CUT FILTER

Choose whether to enable the low-cut filter, reducing low-frequency noise during movie recording.

Options	
ON	OFF

## HEADPHONES VOLUME

Adjust the headphone volume.

Option	Description
0	Mute output to the headphones.
1—10	Choose a volume of from 1 to 10.

## XLR MIC ADAPTER SETTING

Adjust microphone input channel settings and the like for use with XLR microphone adapters.

### MIC INPUT CHANNEL

Record four-channel (quadraphonic) sound with the help of the camera's built-in microphone, or two-channel (stereo) sound using only a microphone connected via the XLR microphone adapter.

Option	Description
4ch XLR+CAMERA	Record four-channel sound with the help of the camera's built-in microphone.
2ch XLR ONLY	Record two-channel sound using only an external microphone connected via the XLR microphone adapter.

## 4ch AUDIO MONITORING

Choose the source of sound output to headphones or other audio monitors during movie recording.

Option	Description
<b>XLR</b>	Monitor sound from external microphones connected via the XLR microphone adapter.
<b>CAMERA</b>	Monitor sound from camera's built-in microphone.

## SDI/HDMI4ch AUDIO OUTPUT

Choose source of audio output to the HDMI connector.

Option	Description
<b>XLR</b>	Audio from external microphones connected via the XLR microphone adapter is output to the HDMI connector.
<b>CAMERA</b>	Audio from camera's built-in microphone is output to the HDMI connector.



- If an external microphone is connected to the camera's microphone connector, audio will be recorded not via the camera's built-in microphone but via the external microphone instead.
- Four-channel recording is available only when MOV is selected for movie container format.

## TIME CODE SETTING

Adjust time code display settings.

### START TIME SETTING

Choose the time code starting time.



- Press **RESET** (Screen button 1) to set the start time to 00:00:00.
- Press **CURRENT TIME** (Screen button 3) to set the start time to the current time.

### COUNT UP SETTING

Choose whether time is clocked continuously or only during movie recording.

Option	Description
<b>REC RUN</b>	Time is clocked only during movie recording.
<b>FREE RUN</b>	Time is clocked continuously.

### DROP FRAME

Choose whether to enable or disable drop frame.

Options	
<b>ON</b>	<b>OFF</b>

### SDI/HDMI TIME CODE OUTPUT

Choose whether time codes are added to footage output to the SDI and HDMI connectors.

Options	
<b>ON</b>	<b>OFF</b>

## TIME CODE CONNECTOR

Switch between input and output for the TC IN/TC OUT connector.

Options	
IN	OUT

## TIME CODE SYNC. SETTING

Choose whether to synchronize time codes with an external device.

Option	Description
<b>USE IN-CAMERA TIME CODE</b>	Time codes are not synchronized with an external device.
<b>SYNC.WITH TC DEVICE</b>	Time codes are synchronized with an external device connected to the TC IN/TC OUT connector.
<b>SYNC. WITH Bluetooth DEVICE</b>	Time codes are synchronized with an external device connected via Bluetooth. If no Bluetooth device is paired, press <b>PAIRING</b> (Screen button 6) to display the pairing registration options.
<b>SYNC. WITH USB DEVICE</b>	Time codes are synchronized with an external device connected to the USB connector.

## MONITOR SETTING

Adjust display settings.

### SDI/HDMI OUTPUT SETTING

Adjust settings for footage output to the SDI OUT and HDMI OUT connectors.

#### SDI OUTPUT SETTING

Set whether to output footage to the SDI OUT connector.

Options	
ON	OFF

#### SDI REC CONTROL

Set whether to output movie start and stop signals from the SDI OUT connector in conjunction with the **REC** button.

Options	
ON	OFF

#### HDMI OUTPUT

Set whether to output footage to the HDMI OUT connector.

Options	
ON	OFF

## HDMI REC CONTROL

Set whether to output movie start and stop signals from the HDMI OUT connector in conjunction with the **REC** button.

Options	
ON	OFF

## SDI/HDMI OUTPUT INFO DISPLAY

Set whether to output the information displayed on the LCD monitor to the SDI OUT or HDMI OUT connectors.

Options	
ON	OFF

## SDI/HDMI OUTPUT RESOLUTION

Set the resolution of the footage output to the SDI OUT or HDMI OUT connectors.

Options			
8K	4K	4K DCI	FHD



- This is a common setting with **SDI/HDMI OUTPUT SETTING > SDI/HDMI OUTPUT RESOLUTION** in the playback menu.
- When **PROJECT > RESOLUTION** is set to 8K, and **MEDIA REC SETTING > REC MEDIA** in **PROJECT** is set to **SDI/HDMI OUTPUT ONLY**, you can select **8K**, **4K**, **4K DCI**, or **FHD**.
- When **PROJECT > RESOLUTION** is set to 4K, you can select **4K**, **4K DCI**, or **FHD**.

## SDI/HDMI OUTPUT FPS

Set the frame rate of footage output to the SDI OUT or HDMI OUT connectors.

Options	
PROJECT FPS	RECORDING FPS



## WAVEFORM/VECTORSCOPE

Choose whether to display chrominance and luminance signals during movie recording.

### WAVEFORM

A waveform is displayed.

### PARADE

An RGB parade is displayed.

### VECTORSCOPE

A vectorscope is displayed.

### RGB HISTOGRAM


An RGB histogram is displayed.

### HISTOGRAM

A histogram is displayed.

### OFF

Neither a waveform monitor, a parade, a vectorscope, nor a histogram is displayed.

 Press **SCREEN SET-UP** (Screen button 6) to change the pattern of each display. When a parade is selected, press **SCREEN SET-UP** (Screen button 6) and then **COLOR/MONOCHROME** (Screen button 6) to choose whether to display in color or gray.

## FOCUS PEAK HIGHLIGHT

The camera heightens high-contrast outlines when using manual focus. This allows you to check whether the subject is in focus.

### SCREEN SET-UP

Select a combination of outline color and peaking level.

Options				
WHITE(LOW)	WHITE(HIGH)	RED(LOW)	RED(HIGH)	BLUE(LOW)
BLUE(HIGH)	YELLOW(LOW)	YELLOW(HIGH)	OFF	

### INTERLOCK MF ASSIST & FOCUS RING

If **ON** is selected, display the information set using **SCREEN SET-UP** only when the focus ring is rotated in manual focus.

Options	
ON	OFF

## ZEBRA SETTING

Set whether to display highlights that may be overexposed by zebra stripes.

### SCREEN SET-UP

Set whether to display zebra stripes.

Options		
ZEBRA RIGHT	ZEBRA LEFT	OFF

### ZEBRA LEVEL

Choose the brightness threshold for the zebra stripe display.

Options											
50	55	60	65	70	75	80	85	90	95	100	

## FRAMING GUIDELINE

Set a framing grid for shooting mode.

### FRAMING GUIDELINE DISP

Set whether to display a framing grid.

Options	
ON	OFF

## **FRAME1, FRAME2, FRAME3**

Set three types of frames individually.

### **FRAME1 DISP, FRAME2 DISP, FRAME3 DISP**

Set whether to display a frame.

Options	
ON	OFF

### **ASPECT RATIO**

Set the aspect ratio of the frame.

Options			
CUSTOM	2.39:1	17:9	16:9
5:4	4:3	3:2	1:1

### **CUSTOM ASPECT**

Customize the aspect ratio of the frame.

### **SCALE**

Adjust the magnification of the frame. Set the magnification of the frame from 1 % to 100% in 1 % increments.

### **COLOR**

Set the color of the frame.

Options				
BLACK	WHITE	YELLOW	MAGENTA	CYAN

### **FRAMELINE**

Set the thickness of the frame lines.

Options			
1(THIN)	2	3	4(THICK)

## **MASK SETTING**

Set how the areas that are not captured are displayed.

### **MASK DISP**

Set whether to mask the areas that are not captured.

Options	
ON	OFF

### **MASK FRAME SELECT**

Select the type of mask display.

Options		
FRAME1	FRAME2	FRAME3

### **MASK TRANSPARENCY**

Set the transparency of the mask display. The transparency can be adjusted between 10 % and 100 % in 10 % increments.

## CENTERMARKER SETTING

Set the center marker.

### CENTERMARKER DISP

Set whether to display the center marker.

Options	
ON	OFF

### CENTERMARKER PATTERN

Set the type of center marker.

Options			
PATTERN1	PATTERN2	PATTERN3	PATTERN4

### COLOR

Set the color of center marker.

Options				
BLACK	WHITE	YELLOW	MAGENTA	CYAN

### FRAMELINE

Set the thickness of the center marker lines.

Options			
1(THIN)	2	3	4(THICK)

## ELECTRONIC LEVEL SETTING

Adjust settings for use when recording movies using the virtual horizon display.

Option	Description
<b>2D</b>	A white line shows the amount the camera is tilted left or right. The line turns green when the camera is level. The line may vanish if the camera is tilted forward or back.
<b>3D</b>	The display shows whether the camera is tilted left or right and forward or back.
<b>OFF</b>	The virtual horizon is not displayed.

## REC FRAME

If **ON** is selected, the borders of the display will turn red during movie recording.

Options	
<b>ON</b>	<b>OFF</b>

## DISP. CUSTOM SETTING

Select the items to be displayed on the LCD monitor in shooting mode.

The available items are as follows:

- AF FOCUS FRAME
- MANUAL FOCUS FRAME
- AF DISTANCE INDICATOR
- MF DISTANCE INDICATOR
- FOCUS MODE
- FOCUS INDICATOR
- PHOTOMETRY
- SHUTTER
- IRIS
- EXP. COMPENSATION
- ISO
- ND
- WHITE BALANCE
- IMAGE FORMAT
- RESOLUTION
- PROJECT FPS
- RECORDING FPS
- FILE FORMAT
- MEDIA REC SETTING&MOVIE  
COMPRESSION FORMAT
- CROP MAGNIFICATION
- LOOK MEDIA
- LOOK LCD
- LOOK SDI/HDMI
- CLIP&REEL
- CAMERA STATUS
- REC. TIME
- Genlock
- TIME CODE
- COOLING FAN
- IS MODE
- SELF-TIMER
- MIC LEVEL
- Bluetooth STATUS
- Wi-Fi/Ethernet STATUS
- REMOTE REC FUNCTION STATUS
- Frame.io STATUS
- IMAEG TRANSFER STATUS
- MEDIA RECORDING TIME
- BATTERY AGE
- EXTERNAL BATTERY INFO
- TOUCH AF OFF BUTTON
- POWERZOOM
- GUIDANCE MESSAGE



## FOCUS SCALE UNITS

Choose the units used for the focus distance indicator.

Options	
<b>METERS</b>	<b>FEET</b>

## LCD INVERSION SETTING

Flip the LCD monitor display vertically and horizontally.

Option	Description
<b>NORMAL</b>	The display is not flipped.
<b>INVERSION1</b>	The display is flipped both vertically and horizontally.
<b>INVERSION2</b>	The display is flipped horizontally.
<b>INVERSION3</b>	The display is flipped vertically.

## USER

Adjust settings for camera buttons and dials.

### Fn SETTING

Choose the roles played by the function buttons (📖 181).

### ZOOM/FOCUS SETTING

Set focus and zoom operation.

#### FOCUS RING OPERATION

Choose how the camera adjusts focus in response to the movement of the focus ring.

Option	Description
LINEAR	Focus is adjusted linearly according to the amount the ring is rotated.
NONLINEAR	Focus is adjusted variably according to the rotation speed of the ring.

#### FOCUS RING ROTATE

Choose the direction in which the focus ring is rotated to increase the focus distance in manual focus mode.

Options	
↻ CW (clockwise)	↻ CCW (counterclockwise)

#### ZOOM RING ROTATE

Choose whether to reverse the rotation of the zoom ring on compatible power zoom lenses.

Options	
↻ CW (clockwise)	↻ CCW (counterclockwise)

## CONSTANT SPEED FOCUS(Fn)

Choose the rate at which the focus distance changes when adjusted using function buttons during manual focus. The higher the number, the higher the rate.

Options							
1(SLOW)	2	3	4	5	6	7	8(FAST)

## CONSTANT SPEED(Fn)

Choose the rate at which compatible power zoom lenses can be zoomed in or out using function buttons. The higher the number, the higher the rate.

Options							
1(SLOW)	2	3	4	5	6	7	8(FAST)


## CONSTANT SPEED ZOOM/FOCUS SPEED SETTING

Choose whether the function buttons on compatible power zoom lenses need only be pressed once to start and stop power focus or power zoom.

Option	Description
<b>START/STOP</b>	The operation starts when the button is pressed and stops when it is pressed a second time.
<b>ACTIVE WHILE PRESSING</b>	The operation continues while the button is pressed and stops when the button is released.

## FOCUS LEVER SETTING

Choose the functions performed by the focus stick (focus lever).

Option	Description
<b>OFF</b>	The focus stick cannot be used during shooting.
<b>PUSH  TO UNLOCK</b>	Press the stick to view the focus-area display and tilt the stick to select a focus area.
<b>ON</b>	Tilt the stick to view the focus-area display and select a focus area.

## TOUCH SCREEN SETTING

Configure settings for using the LCD monitor or side monitors as a touch screen.

### TOUCH SCREEN(LCD)

Set whether to use the LCD monitor as a touch screen in shooting mode.

Options	
<b>ON</b>	<b>OFF</b>

### DOUBLE TAP SETTING(LCD)

Tap the LCD monitor twice to zoom in on your subject in shooting mode. Set the magnification ratio for zooming.

Options		
<b>HIGH</b>	<b>LOW</b>	<b>OFF</b>

## PLAYBACK TOUCH SCREEN SETTING(LCD)

Set whether to use the LCD monitor as a touch screen during playback.

Options	
ON	OFF

## SIDE MONITOR

Select **ON** to use the side monitors as touch screens and enter a password and other information (📖 12).

Options	
ON	OFF

## NETWORK

Adjust settings for connection to external devices.

### WIRELESS LAN

Connect the camera to a wireless LAN network (📖 99).

### WIRED LAN SETTING

Connect the camera to a network via a LAN cable (📖 102).

#### IP ADDRESS SETTING

Choose whether to obtain the camera's IP address from the network or to set it manually.

Options	
AUTO	MANUAL

#### MANUAL IP ADDRESS SETTING

Configure settings such as the IP address when **MANUAL** is selected for **IP ADDRESS SETTING**.

Options			
IP ADDRESS	SUBNET MASK	GATEWAY ADDRESS	DNS SERVER ADDRESS

## Frame.io Camera to Cloud

### CONNECT

#### CONNECT

Connect to the Frame.io project.

#### DISCONNECT

End the connection while remaining paired with the Frame.io project.

### GET PAIRING CODE

Confirm a pairing code to connect to a Frame.io project.

### REMOVE PROJECT

End the pairing with the Frame.io project.

### SELECT FILE TYPE

Choose the types of files uploaded to Frame.io. You can select or deselect each file type individually.

Options			
MOV/MXF - PROXY	MOV/MXF - ProRes	MOV/MXF - OTHER	JPEG

## UPLOAD SETTING

Adjust Frame.io upload settings.

### AUTO IMAGE TRANSFER ORDER

Select **ON** to automatically mark files for upload as they are taken.

Options	
<b>ON</b>	<b>OFF</b>

### TRANSFER/SUSPEND

Pause or resume upload to Frame.io.

Options	
<b>TRANSFER</b>	<b>SUSPEND</b>

### IMAGE TRANSFER WHILE POWER OFF

If **ON** is selected, upload of files to Frame.io will continue while the camera is off.

Options	
<b>ON</b>	<b>OFF</b>

### ROOT CERTIFICATE

Copy a root certificate to the camera for use with Frame.io.

Option	Description
<b>LOAD</b>	Copy the root certificate from the camera memory card.
<b>DELETE</b>	Delete the current root certificate.



## **UPLOAD STATUS**

---

View Frame.io upload status.

## **TRANSFER QUEUE**

---

View a list of the files awaiting upload.

## **RESET TRANSFER ORDER**

---

Remove upload marking from all files selected for upload to Frame.io.

## **INTRODUCE Frame.io Camera to Cloud**

---

View an introduction for the Frame.io Camera to Cloud features.

## REMOTE REC FUNCTION

Configure settings to connect from a computer or tablet to the camera for remote recording.

### USE FUNCTION

Set whether to use the remote recording function.

Options	
USE	NOT USE

### USER NAME

Store a user name to connect to the camera.


### PASSWORD

Store a password to connect to the camera.

### SERVER TYPE

Set the server type when connecting to the camera.

Options	
HTTP	HTTPS

 If you choose **HTTPS**, you will need to import a root certificate into the browser on your computer or tablet (📖 106).

### QR CODE

Display a QR code to connect to the camera.

## Bluetooth SETTING

Configure settings for connecting to Bluetooth devices.

### CONNECT TO ATOMOS AirGlu BT

Pair the ATOMOS AirGlu BT with the camera or end the pairing.

Options	
PAIRING REGISTRATION	DELETE PAIRING REG.

### CONNECTED OTHER DEVICE

Pair the Bluetooth devices with the camera or end the pairing.

Options	
PAIRING REGISTRATION	DELETE PAIRING REG.

### Bluetooth ON/OFF



If **ON** is selected, the camera will automatically connect with paired Bluetooth devices.

Options	
ON	OFF

### CAMERA NAME

Choose a name to identify the camera for Bluetooth connection. The camera is assigned a unique name by default.

## ERROR DESCRIPTION

View the content of errors when a  icon is displayed ( 231).

## HARDWARE INFO

View the camera's wireless and wired LAN Mac addresses and IP addresses, and Bluetooth MAC address.

## RESET NETWORK SETTING

Reset **NETWORK** to default values.

 Press two **RESET** (Screen buttons 4 and 6) simultaneously to reset.

## SET UP

Adjust camera settings.

### 言語/LANG.

Choose a language.

### DATE/TIME

Set the date and time.

### HOME LOCATION

Choose your time zone from a map.



Press **ON/OFF** (Screen button 6) to enable or disable daylight saving time.

### DATE/TIME

Set the camera clock.

### TIME DIFFERENCE

Switch the camera clock instantly from your home time zone to the local time at your destination when traveling.

Option	Description
<b>HOME</b>	Set the camera clock to your home time zone.
<b>LOCAL</b>	Set the camera clock to the local time at your travel destination.



Use **LOCAL AREA** to choose your home time zone before selecting a local time zone using **LOCAL**.

## LOCAL AREA

Choose the region of your travel destination from a map.

## RESET ALL EXCEPT NETWORK SETTINGS


Reset settings other than **NETWORK** and custom white balance to default values.

 Press two **RESET** (Screen buttons 4 and 6) simultaneously to reset.

## FORMAT

Select and format a memory card or USB-connected SSD.

Options		
SLOT1	SLOT2	SSD

 Select the media and press two **FORMAT** (Screen buttons 4 and 6) simultaneously to start formatting.

## MAINTENANCE

Perform sensor maintenance and check the condition of the supplied battery.

### PIXEL MAPPING

Use this option to reduce bright spots if you notice them in your movie.



- Results are not guaranteed.
- Be sure the battery is fully charged.
- Pixel mapping is not available when the camera temperature is elevated.
- Processing may take several tens of seconds.

### SENSOR CLEANING

Remove dust from the camera image sensor.

Option	Description
<b>UPDATE NOW</b>	Clean the sensor immediately.
<b>CLEAN TIMING</b>	Sensor cleaning will be performed when the camera is turned on or off.



- Even after performing sensor cleaning, dust cannot be completely removed from the camera image sensor.
- If the dust cannot be removed, contact your Fujifilm dealer.

### BATTERY AGE

Check the battery age for the supplied battery. Age is expressed as a number between 0 and 4. The higher the number, the older the supplied battery.



- The older the supplied battery, the faster it loses its charge. We recommend that you purchase a new battery.

## COOLING FAN SETTING

Set the camera's cooling fan.

### COOLING FAN

Adjust settings for the cooling fan.

Option	Description
<b>AUTO1</b>	The fan turns on automatically as required when camera temperature rises and runs at slow speed.
<b>AUTO2</b>	The fan turns on and automatically operates from low speed to high speed in order when camera temperature rises. The increased fan noise may be audible in movies.
<b>LOW</b>	Run the fan continuously at low speed.
<b>HIGH</b>	Run the fan continuously at high speed. The increased fan noise may be audible in movies.

### HIGH MODE SETTING

Adjust the fan speed when the fan runs at high speed.


### LOW MODE SETTING

Adjust the fan speed when the fan runs at slow speed.

### REC MODE SETTING

Set whether to stop the cooling fan operation when starting movie recording.

Options	
<b>CONTINUE</b>	<b>STOP</b>

 When **STOP** is selected, the fan runs at high speed automatically during standby.



## POWER MANAGEMENT

Set the camera's power supply.

### V Battery Low Warning %

Set the battery level at which the V-mount battery low-level warning is displayed. The level can be set 0% to 100% in 1% increments.



This setting is only valid when using a battery that displays the remaining battery level as a percentage.

### V Battery Low Warning V

Set the battery voltage at which the V-mount battery low-level warning is displayed. The voltage can be set from 11.5V to 17.0V in 0.1V increments.



This setting is not valid when using a battery that displays the remaining battery level as a percentage.

## LED/SOUND SETTING





### TALLY LIGHT SETTING

Set whether to light **REC** during movie recording. Select **ON** to light the button.

Option	Description
<b>FRONT</b>	Set whether to light <b>REC</b> on the front.
<b>SIDE</b>	Set whether to light <b>REC</b> on the side.

### REC START BEEP

Choose the volume at the start and end of movie recording.

Options			
 (high)	 (medium)	 (low)	 <b>OFF</b> (mute)

## LCD SETTING

Configure the display settings for the LCD monitor and the side monitors.

### LCD BRIGHTNESS

Adjust the brightness of the display in the LCD monitor.

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

### LCD COLOR

Adjust the saturation of the display in the LCD monitor.

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

### LCD COLOR ADJUSTMENT

Adjust the color of the display in the LCD monitor. Adjust the color of the display on two axes, the R axis and the B axis.

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

### SIDE MONITOR BRIGHTNESS

Adjust the brightness of the display in the side monitors.

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

### SIDE MONITOR COLOR

Adjust the background color of the side monitors.

Options										
LIGHT						DARK				

## FIRMWARE UPDATE

Update the firmware (📖 222).

### BODY

Update the firmware of the camera body.

### LENS

Update the firmware of the lens attached to the camera.

### LCD MONITOR

Update the firmware of the LCD monitor.

### MOUNT ADAPTER

Update the firmware of the mount adapter.

## REGULATORY

Select **SET UP > REGULATORY** in the setup menu to view electronic copies of the product model number, FCC/ISED regulatory information, and other certificates.


# 8

## Shortcuts

## Shortcut Options

Customize camera controls to suit your style or situation.

This camera allows you to assign functions to the function buttons and screen buttons and call them up.

Shortcut Option	Description	
<b>Function Controls</b>	Use the function buttons for direct access to selected features.	181
<b>USER function</b>	Press the <b>USER</b> button, then press the screen button to call up the pre-assigned functions.	187

## Function Controls

Assign a role to each function button for quick access to the selected feature.

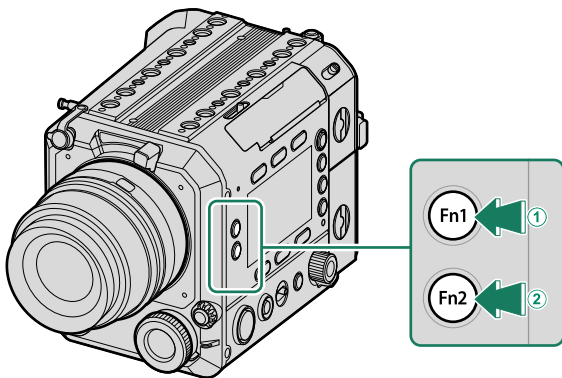
### The Function Buttons

Assign a role to the function buttons for quick access to the selected feature.

### Function Button Defaults

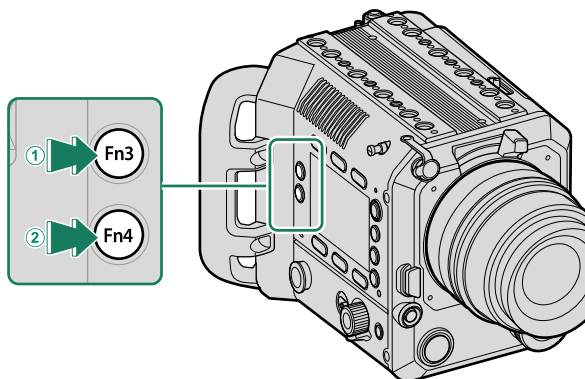
The default assignments are:

#### Function Buttons Inside the Camera



Function buttons	Default
① Fn1 button	ND ON/CLEAR
② Fn2 button	SDI/HDMI OUTPUT DISP

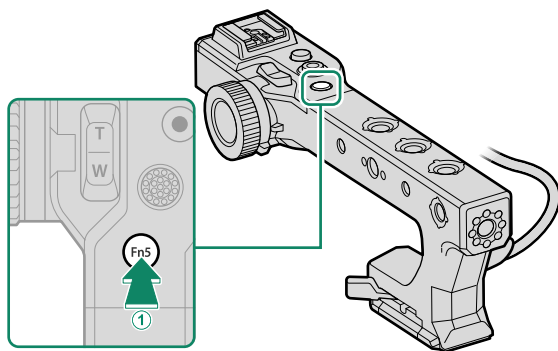
## **Function Buttons Outside the Camera**



Function buttons	Default
① <b>Fn3</b> button	<b>ND ON/CLEAR</b>
② <b>Fn4</b> button	<b>SDI/HDMI OUTPUT DISP</b>

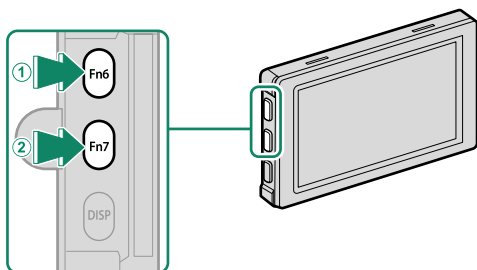


## Function Buttons on the Handle



Function buttons	Default
① Fn5 button	AF-ON

## **Function Buttons on the LCD Monitor**



Function buttons	Default
① <b>Fn6</b> button	<b>WAVEFORM/VECTORSCOPE</b>
② <b>Fn7</b> button	<b>FOCUS PEAK HIGHLIGHT</b>

## Assigning Roles to the Function Buttons

The roles played by the function buttons can be selected using the **USER > Fn SETTING** options. The roles to be assigned are as follows:

- ND ON/CLEAR
- LOOK SETTING A/C
- AWB LOCK SWITCH
- AWB LOCK PRESS
- IRIS +
- IRIS -(OPEN)
- IRIS AUTO
- EXPO.COMP +1/4
- EXPO.COMP -1/4
- PHOTOMETRY
- IS MODE
- IS MODE BOOST
- SELF-TIMER
- FOCUS AREA
- FOCUS CHECK LOW
- FOCUS CHECK HIGH
- FOCUS CHECK LOW/HIGH
- AF MODE
- SUBJECT DETECTION SETTING
- AF RANGE LIMITER
- FOCUS CHECK LOCK
- AF LOCK SWITCH
- PRESS
- AF-ON
- INTERNAL/EXTERNAL MIC LEVEL ADJUSTMENT
- 4ch AUDIO PLAYBACK
- SDI/HDMI OUTPUT DISP
- WAVEFORM/VECTORSCOPE
- FOCUS PEAK HIGHLIGHT
- ZEBRA SETTING
- FRAMING GUIDELINE
- ELECTRONIC LEVEL SWITCH
- LCD INVERSION
- CONSTANT SPEED ZOOM (T)
- CONSTANT SPEED ZOOM (W)
- **MF** CONSTANT SPEED FOCUS (N)
- **MF** CONSTANT SPEED FOCUS (F)
- Bluetooth ON/OFF
- COOLING FAN SETTING
- LCD BRIGHTNESS
- PLAYBACK
- NONE



To disable the function button, choose **NONE**.

## AF Lock Using Function Buttons

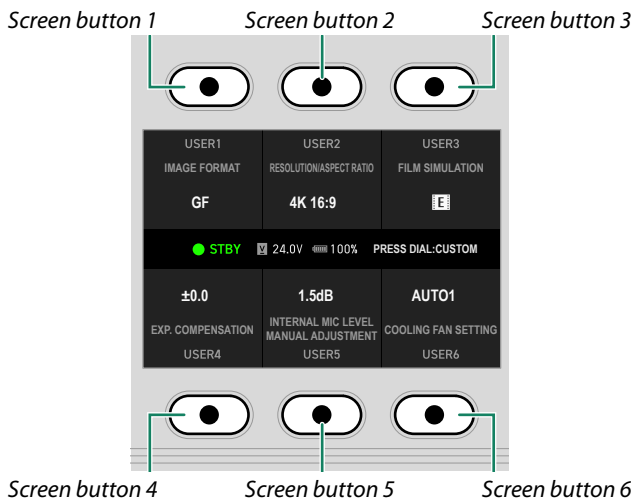
---

Use the function button to lock focus (AF lock) or adjust the focus during autofocus shooting.

- Press the function button to which **AF LOCK SWITCH** is assigned to lock the focus. Press the button again to release the focus lock.
- Press the function button to which **PRESS** is assigned to lock the focus while the button is pressed. Release the button to release the focus lock.
- Press the function button to which **AF-ON** is assigned to adjust the focus again.

## USER Function

Set the screen button functions when the **USER** button is pressed in shooting mode.




Screen buttons	Default
Screen button 1	<b>IMAGE FORMAT</b>
Screen button 2	<b>RESOLUTION/ASPECT</b>
Screen button 3	<b>FILM SIMULATION</b>
Screen button 4	<b>EXP. COMPENSATION</b>
Screen button 5	<b>INT/EXT MIC LEVEL MANUAL ADJUSTMENT</b>
Screen button 6	<b>COOLING FAN SETTING</b>

## Assigning Roles to the Screen Buttons

Press the center of the selector dial on the **USER** display to change the functions assigned to each screen button. The functions to be assigned are as follows:

- IMAGE FORMAT
- RESOLUTION/ASPECT
- PROJECT FPS
- BITRATE
- FILM SIMULATION
- IRIS
- EXP. COMPENSATION
- PHOTOMETRY
- SELF-TIMER
- IS MODE
- IS MODE BOOST
- TONE CURVE
- COLOR
- SHARPNESS
- NOISE REDUCTION
- SUBJECT DETECTION SETTING
- TOUCH SCREEN MODE
- INT/EXT MIC LEVEL ADJUSTMENT
- INT/EXT MIC LEVEL MANUAL ADJUSTMENT
- WAVEFORM/VECTORSCOPE
- FOCUS PEAK HIGHLIGHT
- COOLING FAN SETTING
- LCD BRIGHTNESS
- LCD COLOR
- NON

 To disable the screen button, choose **NON**.

# **Peripherals and Optional Accessories**

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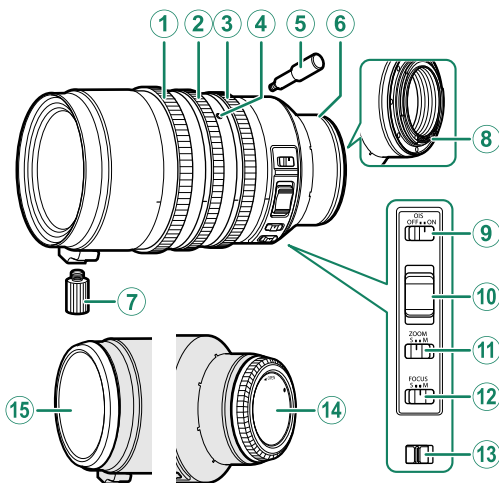
## Lenses

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

See the manual provided with the lens for information on how to use lenses.

### Lens Parts

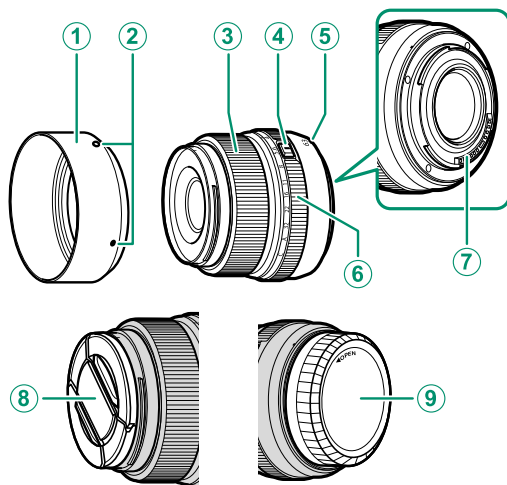
#### GF32-90mmT3.5 PZ OIS WR



- |                          |                                    |
|--------------------------|------------------------------------|
| ① Focus ring             | ⑨ O.I.S. switch                    |
| ② Zoom ring              | ⑩ Zoom lever                       |
| ③ Aperture (iris) ring   | ⑪ Zoom mode switch                 |
| ④ Zoom lever socket hole | ⑫ Focus mode switch                |
| ⑤ Zoom lever             | ⑬ Aperture (iris) ring lock switch |
| ⑥ Mounting marks         | ⑭ Rear lens cap                    |
| ⑦ Support foot           | ⑮ Front lens cap                   |
| ⑧ Lens signal contacts   |                                    |



# GF63mmF2.8 R WR



- ① Lens hood
- ② Mounting marks
- ③ Focus ring
- ④ Aperture ring lock release
- ⑤ Mounting marks (focal length)

- ⑥ Aperture ring
- ⑦ Lens signal contacts
- ⑧ Front lens cap
- ⑨ Rear lens cap

## PL-Mount Adapter

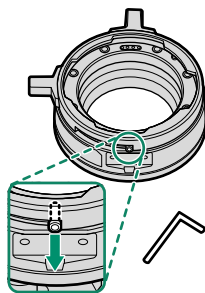
### Replacing the Shim on the PL-Mount Adapter

Replace the shim with one that is appropriate for the lens you use.

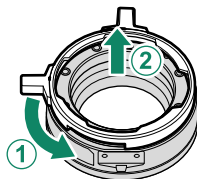
⚠ Do not touch the shims with your hands.

- Shims of the following thicknesses are supplied:
  - 0.01 mm/0.025 mm/0.038 mm/0.05 mm/0.075 mm/0.125 mm
  - The PL-mount adapter comes with a 0.1 mm thick shim built in at the factory.
- Hex wrenches with the following dimensions are supplied:
  - 1.5 mm/2 mm/3 mm

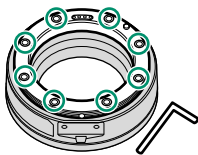
- 1 Remove the bayonet ring.  
Use the supplied hex wrench (1.5 mm) to remove the stopper screw.



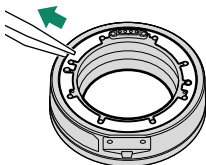
- 2 Rotate the bayonet ring counter-clockwise (①) and remove it (②).



- 3** Use the supplied hex wrench (2 mm) to remove eight screws.

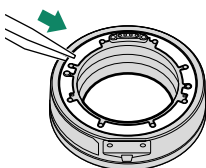


- 4** Remove the lens mount and remove the shim with tweezers.

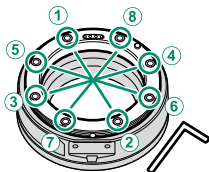


- 5** Select the shim appropriate for the lens you are using and attach it with tweezers.

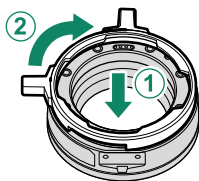
Attach the shims in order of thickness, starting with the thinnest shim and ending with the thickest shim.



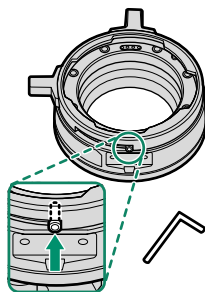
- 6** Attach the lens mount.  
Use the supplied hex wrench (2 mm) to install the eight screws diagonally in the order shown in the figure. Lightly tighten the eight screws.



- 7 Retighten the eight screws in the order as in Step 6. Use the supplied hex wrench (2 mm) to tighten the screws. When using a torque wrench, set the torque to 0.36 N·m.
- 8 Attach the bayonet ring to the PL-mount adapter (①) and rotate it clockwise until it stops (②).



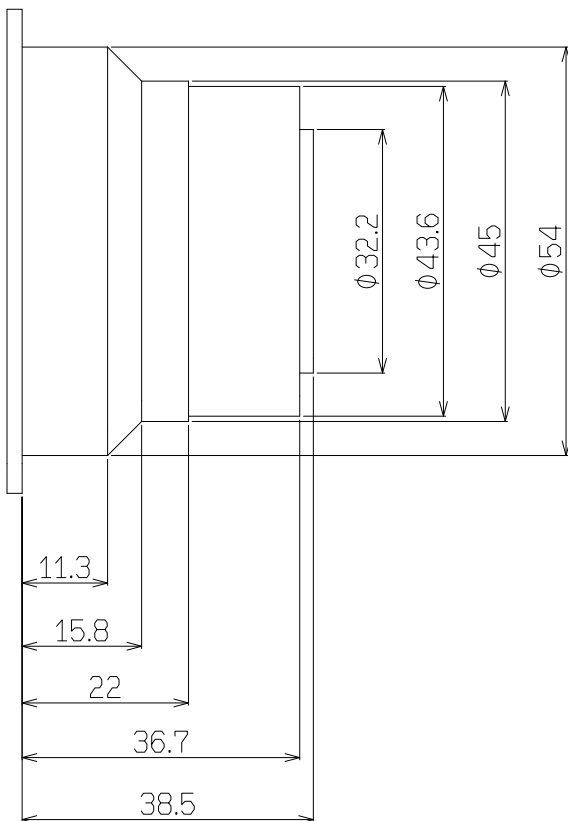
- 9 Rotate it counterclockwise about halfway until the stopper screw hole is visible and use the supplied hex wrench (1.5 mm) to attach the stopper screw.



## Maximum Dimensions of PL-mount Lenses

When using PL-mount lenses, use only lenses that do not exceed the following dimensions to avoid injury and damage to the camera and lenses.

unit : mm



## Connecting to External Devices

Connect external devices to the camera body connectors.



Output is only provided to the 12-pin connector for lens connection, SDI OUT connector, HDMI OUT connector, and DC OUT 12 V connector when the camera is powered by the AC power adapter or V-mount battery. No output is provided when the camera is powered by the supplied battery.

### 12-pin Connector for Lens Connection

Connect to a lens with a 12-pin lens connector to supply power to the lens servo.

### SDI OUT Connector (BNC Type)

Output footage when **ON** is selected for **SDI/HDMI OUTPUT SETTING > SDI OUTPUT SETTING** in **MONITOR SETTING**. Use **SDI/HDMI OUTPUT SETTING** to configure the resolution and enable or disable the screen display and control signal.

### HDMI OUT Connector (Type A)

Output footage when **ON** is selected for **SDI/HDMI OUTPUT SETTING > HDMI OUTPUT** in **MONITOR SETTING**. Use **SDI/HDMI OUTPUT SETTING** to configure the resolution and enable or disable the screen display and control signal.

### TC IN/TC OUT Connector (BNC Type)

Input the time code synchronization signal from external devices or output the synchronization signal. Use **TIME CODE SETTING > TIME CODE CONNECTOR** to switch the settings.

## LAN Connector

A connector for connecting a LAN cable (📖 102).

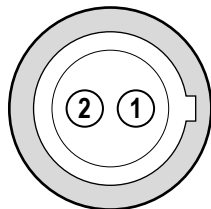
## Genlock Connector (BNC Type)

Synchronize the phase of the footage with external devices when **ON** is selected for **RECORDING > GENLOCK**.

## DC OUT 12V Connector

When the camera is turned on, it outputs 12V DC power. The connector shape and connector pin layout are as shown in the figure.

- ① Ground
- ② 12V



*Figure:  
Front of connector*

- ❗ • The rated output is 12V, 3 A. Output will stop if the rated output is exceeded.
- FGG.0B.302.CLAD35Z can be connected.
- Turn the camera off before connecting or disconnecting devices. Doing so while the power is on could cause the camera to stop functioning.
- Do not short the pins with each other or with the camera exterior, or apply voltage to them. Failure to observe this precaution could damage the camera.
- 🔌 • Connecting a device to the DC OUT 12V connector will cause the V-mount battery to drain more quickly.
- When using the DC OUT 12 V connector, we recommend that you use the AC power adapter or the V-mount battery with a rated output of 10 A or higher.

## V-mount Batteries

Using an optional V-mount battery allows you to supply power to the camera instead of using an AC power adapter, or charge the supplied battery.



Recording while charging the supplied battery with a V-mount battery will cause the V-mount battery to drain more quickly.

### Compatible V-mount Batteries

This camera can use V-mount batteries with the following specifications:

- Input voltage range: 11.0 to 17.0V



Depending on the dimensions of the V-mount battery, it may interfere with cables attached to the camera. Make sure there is no interference before using it.



When using the DC OUT 12 V connector, we recommend that you use the V-mount battery with a rated output of 10 A or higher or the AC power adapter.



## Attaching the V-mount Battery

Insert the V-mount battery into the V-mount battery attachment mount from above. Slide it down until the V-mount battery release button appears.

### Removing the V-mount Battery

Slide the V-mount battery upward while pressing the V-mount battery release button to remove it.

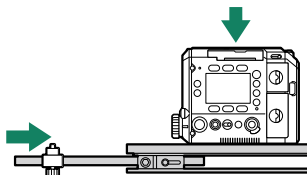
- ❗ • If the AC power adapter or V-mount battery is removed while the camera is powered on and the supplied battery is in the camera, the screen display and terminal output will be turned off, and no operation other than turning off the camera can be performed. Attaching the AC power adapter or V-mount battery again will restore normal operation. If the AC power adapter or V-mount battery is removed during movie recording, the recording will stop immediately.
- If the supplied battery is low or the camera is used in a low-temperature environment, removing the V-mount battery could cause the camera to stop functioning, even if the supplied battery is in the camera.

## Attaching the Camera to the Support Rod

To protect the mount of camera, lens, and PL-mount adapter, use a commercially available bridge plate and lens support.

**!** Be sure to attach them securely. The camera or lens may fall. Dropping from a high place, in particular, can lead to serious accidents.

- 1 Attach the camera and lens support to the bridge plate.



**!** For installation instructions, refer to the instruction manuals for the bridge plate and lens support.

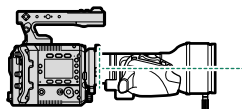
- 2 Attach the lens and PL-mount adapter to the camera-mount (📖 47).

- 3 Support the lens with your hand and adjust the height and position of the lens support so that the lens is level when viewed from the side, then secure the lens support to the support frame of the lens or PL-mount adapter cover.

⚠ Adjust the height and position of the lens support carefully to avoid placing excessive force on the camera, lens, or PL-mount adapter mount. Improper adjustment may damage the camera, lens, or PL-mount adapter mount.

📖 The support frame of the PL-mount adapter cover can also be attached to the PL-mount adapter for use (📖 51).

- 4 Check that the lens is level when viewed from the side.



## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 10

## Technical Notes

## Accessories from Fujifilm

The following accessories are available from Fujifilm. For the latest information on the accessories available in your region, check with your local Fujifilm representative or visit <https://fujifilm-x.com/support/compatibility/cameras/>.

### Rechargeable Li-ion batteries

**NP-W235:** Additional high-capacity NP-W235 rechargeable batteries can be purchased as required.

### Dual battery chargers

**BC-W235:** The BC-W235 can charge up to two NP-W235 batteries at a time. At +25 °C/+77 °F, the batteries will charge in about 200 minutes. Using a device that supplies power with an outputs of 30 W or above reduces charging times to as little as 150 minutes.

### FUJINON lenses

**GF-series lenses:** Interchangeable lenses for use exclusively with the FUJIFILM G-mount.

### Mount adapters

**H MOUNT ADAPTER G:** This mount adapter allows the camera to be used with SUPER EBC FUJINON accessories for the GX645AF, giving you the use of one additional teleconverter and nine different lenses.

### Macro extension tubes

**MCEX-18G WR/MCEX-45G WR:** Mount this adapter between the lens and the camera body for macro photography with large reproduction ratios.

### View camera adapters

**VIEW CAMERA ADAPTER G:** This adapter is for use with lenses for older FUJINON large-format cameras, including lenses in the CM FUJINON series.

**Remote releases**

**RR-100:** Use to reduce camera shake or keep the shutter open during a time exposure. The RR-100 has a connector with a diameter of 2.5 mm.

**Body caps**

**BCP-002:** Cover the camera lens mount when no lens is attached.

## Software and Services for Use with Your Camera

The camera can be used with the following software and services. For the latest information on software available from Fujifilm, visit

*<https://fujifilm-x.com/support/compatibility/cameras/>.*

### Frame.io Camera to Cloud

Send still images and movies directly from the camera to the Frame.io platform via a network.

*<https://frame.io/>*



# For Your Safety

## IMPORTANT SAFETY INSTRUCTIONS

- **Read Instructions:** All the safety and operating instructions should be read before the appliance is operated.
- **Retain Instructions:** The safety and operating instructions should be retained for future reference.
- **Heed Warnings:** All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow Instructions:** All operating and use instructions should be followed.

### Installation

**Power Sources:** This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

**Grounding or Polarization:** This video product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

**Alternate Warnings:** This video product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

**Overloading:** Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

**Ventilation:** Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the video product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface.

This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. This video product should never be placed near or over a radiator or heat register.

**Attachments:** Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

**Water and Moisture:** Do not use this video product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

**Power-Cord Protection:** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**Accessories:** Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

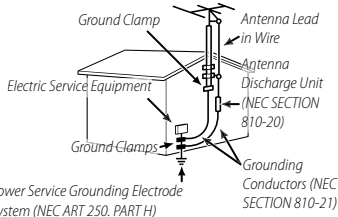
An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



### Antennas

**Outdoor Antenna Grounding:** If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



**Power Lines:** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

#### Use

**Cleaning:** Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

**Object and Liquid Entry:** Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

**Lightning:** For added protection for this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

#### Service

**Servicing:** Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**Damage Requiring Service:** Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged
- If liquid has been spilled, or objects have fallen into the video product.
- If the video product has been exposed to rain or water.
- If the video product has been dropped or the cabinet has been damaged.

If the video product does not operate normally follow the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.

When the video product exhibits a distinct change in performance — this indicates a need for service.

**Replacement Parts:** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

**Safety Check:** Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.



## Be sure to read these notes before use

### Safety Notes




- Make sure that you use your camera correctly. Read these safety notes and your *Owner's Manual* carefully before use.
- After reading these safety notes, store them in a safe place.

### About the Icons




The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.

	<b>WARNING</b> This icon indicates that death or serious injury can result if the information is ignored.
	<b>CAUTION</b> This icon indicates that personal injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the instructions which are to be observed.

	Triangular icons tell you that this information requires attention ("Important").
	Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").
	Filled circles with an exclamation mark indicate an action that must be performed ("Required").











The symbols on the product (including the accessories) represent the following:











	AC
	DC
	Class II equipment (The construction of the product is double-insulated.)















### WARNING




**If a problem arises, turn the camera off, remove the battery, disconnect the USB cable, and unplug the AC power adapter.** Continued use of the camera when it is emitting smoke, is emitting any unusual odor, or is in any other abnormal state can cause a fire or electric shock. Contact your Fujifilm dealer.

**Do not allow water or foreign objects to enter the camera or connecting cables.** Do not use the camera or connecting cables following ingress of fresh or salt water, milk, beverages, detergents, or other liquids. **Should liquid find its way into the camera or connecting cables, turn the camera off, remove the battery, disconnect the USB cable, and disconnect and unplug the AC adapter.** Continued use of the camera can cause a fire or electric shock. Contact your Fujifilm dealer.

 <b>WARNING</b>	
	<b>Do not use the camera in the bathroom or shower.</b> This can cause a fire or electric shock.
	<b>Never attempt to change or take apart the camera (never open the case).</b> Failure to observe this precaution can cause fire or electric shock.
	<b>Should the case break open as the result of a fall or other accident, do not touch the exposed parts.</b> Failure to observe this precaution could result in electric shock or in injury from touching the damaged parts. Remove the battery immediately, taking care to avoid injury or electric shock, and contact your Fujifilm dealer.
	<b>Do not change, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord.</b> These actions could damage the cord and cause a fire or electric shock. If the cord is damaged, contact your Fujifilm dealer. Do not use cables with bent connectors.
	<b>Do not place the camera on an unstable surface.</b> This can cause the camera to fall or tip over and cause injury.
	<b>Never attempt to record movies while in motion.</b> Do not use shooting, playback, or any other operations of the camera while operating a car or other vehicle. This can result in you falling down or being involved in a traffic accident. If you record movies while walking, pay attention to your surroundings.
	<b>Do not touch any metal parts of the camera during a thunderstorm.</b> This can cause an electric shock due to induced current from the lightning discharge.
	<b>Do not use the battery except as specified.</b> Load the battery as shown by the indicator.
	<b>Do not disassemble, modify, or heat batteries. Do not drop, strike, or throw batteries or otherwise subject them to strong impacts. Do not use batteries that show signs of leaking, deformation, discoloration, or other abnormalities. Use only designated chargers to recharge rechargeable batteries and do not attempt to recharge non-rechargeable lithium or alkaline batteries. Do not short batteries or store them with metallic objects.</b> Failure to observe these precautions could result in the batteries overheating, igniting, rupturing, or leaking, causing fire, burns, or other injury.

 <b>WARNING</b>	
	<b>Use only batteries or AC power adapters specified for use with this camera. Do not use voltages other than the power supply voltage shown.</b> The use of other power sources can cause a fire.
	<b>If the battery leaks and fluid gets in contact with your eyes, skin or clothing, flush the affected area with clean water and seek medical attention or call an emergency number right away.</b>
	<b>Using a flash too close to a person's eyes may cause visual impairment.</b> Take particular care when photographing infants and young children.
	<b>Do not remain in prolonged contact with hot surfaces. Do not leave one part of the body in contact with the product for prolonged periods while the product is on.</b> Failure to observe this precaution could result in low-temperature burns, particularly during prolonged use, at high ambient temperatures, or with users who suffer from poor circulation or reduced sensation, in which case use of a tripod or similar precautions are recommended.
	<b>Do not use in the presence of flammable objects, explosive gases, or dust.</b>
	<b>When carrying the battery, install it in a camera or keep it in the hard case. When storing the battery, keep it in the hard case. When discarding, cover the battery terminals with insulation tape.</b> Contact with other metallic objects or batteries could cause the battery to ignite or burst.
	<b>Keep memory cards, shoe covers, and other small parts out of the reach of small children.</b> Children may swallow small parts; keep out of reach of children. Should a child swallow a small part, seek medical attention or call emergency.
	<b>Keep out of reach of small children.</b> Among the elements that could cause injury are the strap, which could become entangled about a child's neck, causing strangulation.
	<b>Follow the directions of airline and hospital personnel.</b> This product generates radio-frequency emissions that could interfere with navigational or medical equipment.

 CAUTION	
	<b><u>Do not use this camera in locations affected by oil fumes, steam, humidity or dust.</u></b> This can cause a fire or electric shock.
	<b><u>Do not leave this camera in places subject to extremely high temperatures.</u></b> Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.
	<b><u>Do not place heavy objects on the camera.</u></b> This can cause the heavy object to tip over or fall and cause injury.
	<b><u>Do not move the camera while the AC power adapter is still connected.</u></b> Do not pull on the connection cord to disconnect the AC power adapter. This can damage the power cord or cables and cause a fire or electric shock.
	<b><u>Do not cover or wrap the camera or the AC power adapter in a cloth or blanket.</u></b> This can cause heat to build up and distort the casing or cause a fire.
	<b><u>Do not use the plug if it is damaged or if it does not fit securely into the outlet.</u></b> Failure to observe this precaution could result in fire or electric shock.
	<b><u>When you are cleaning the camera or you do not plan to use the camera for an extended period, remove the battery and disconnect and unplug the AC power adapter.</u></b> Failure to do so can cause a fire or electric shock.
	<b><u>When charging ends, unplug the charger from the power socket.</u></b> Leaving the charger plugged into the power socket can cause a fire.
	<b><u>When a memory card is removed, the card could come out of the slot too quickly. Use your finger to hold it and gently release the card.</u></b> Injury could result to those struck by the ejected card.
	<b><u>Do not handle the memory card immediately after shooting.</u></b> The memory card may be hot, resulting in burns. Wait for the card to cool before removing it from the camera.
	<b><u>Request regular internal testing and cleaning for your camera.</u></b> Build-up of dust in your camera can cause a fire or electric shock. Contact your Fujifilm dealer to request internal cleaning every two years. Please note that this service is not free of charge.
	<b><u>Dispose of the product in accord with location regulations.</u></b>
	<b><u>Do not cover the air intakes or exhaust vent with tape or other materials. Do not place any obstructions near the air intakes or exhaust vent.</u></b> Failure to observe this precaution may reduce cooling performance or cause a malfunction.

 CAUTION	
	<b><u>Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.</u></b>
	<b><u>Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.</u></b>

## The Battery and Power Supply

**Note:** Check the type of battery used in your camera and read the appropriate sections.



**WARNING:** Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

The following describes the proper use of batteries and how to prolong their life. Incorrect use can shorten battery life or cause leakage, overheating, fire, or explosion.

### Li-ion Batteries

Read this section if your camera uses a rechargeable Li-ion battery.

The battery is not charged at shipment. Charge the battery before use. Keep the battery in its case when not in use.

#### ■ Notes on the Battery

The battery gradually loses its charge when not in use. Charge the battery one or two days before use.

Battery life can be extended by turning the camera off when not in use.

Battery capacity decreases at low temperatures; a depleted battery may not function when cold. Keep a fully charged spare battery in a warm place and exchange as necessary, or keep the battery in your pocket or other warm place and insert it in the camera only when shooting. Do not place the battery in direct contact with hand warmers or other heating devices.

#### ■ Charging the Battery

The battery can be charged using the camera and supplied AC adapter or an optional BC-W235 dual battery charger. Charging times will increase at ambient temperatures below +10°C (+50°F) or above +35°C (+95°F). Do not attempt to charge the battery at temperatures above +40°C (+104°F); at temperatures below +5°C (+41°F), the battery will not charge.

Do not attempt to recharge a fully charged battery. The battery does not however need to be fully discharged before charging.

The battery may be warm to the touch immediately after charging or use. This is normal.

#### ■ Battery Life

A noticeable decrease in the length of time the battery will hold a charge indicates that it has reached the end of its service life and should be replaced.

If the battery is left for long periods without charging, you may find that its quality degrades or that it no longer holds a charge. Charge the battery regularly.

#### ■ Storage

If the camera will not be used for an extended period, store it at room temperature with the battery charged to approximately one half to ¾ capacity.

If the camera will not be used for an extended period, remove the battery and store it in a dry place with an ambient temperature of from +15°C to +25°C (+59°F to +77°F). Do not store in locations exposed to extremes of temperature.

#### ■ Cautions: Handling the Battery

- Do not transport or store with metal objects such as necklaces or hairpins.
- Do not expose to flame or heat.
- Do not disassemble or modify.
- Do not expose to low atmospheric pressures.
- Use with designated chargers only.
- Dispose of used batteries promptly.
- Do not drop or subject to strong physical shocks.
- Do not expose to water.
- Keep the terminals clean.
- The battery and camera body may become warm to the touch after extended use. This is normal.

#### ■ Caution: Disposal

Dispose of used batteries in accord with local regulations. Attention should be drawn to the environmental aspects of battery disposal. Use the apparatus under moderate climate.

Do not mechanically crush or split batteries.

### AC Power Adapters

- Be sure the cable is securely connected to the camera.
- Turn the camera off before disconnecting the adapter. Disconnect the adapter by the plug, not the cable.
- Do not disassemble.
- Do not expose to high heat and humidity.
- Do not subject to strong physical shocks.
- The adapter may hum or become hot to the touch during use. This is normal.
- If the adapter causes radio interference, reorient or relocate the receiving antenna.

## Using the Camera

Do not aim the camera at extremely bright light sources, including artificial light sources or natural light sources such as the sun in a cloudless sky. Failure to observe this precaution could damage the camera image sensor or ND filter.

### Take Test Shots

Before taking photographs on important occasions (such as at weddings or before taking the camera on a trip), take a test shot and view the results to ensure that the camera is functioning normally. FUJIFILM Corporation cannot accept liability for damages or lost profits incurred as a result of product malfunction.

### Notes on Copyright

Unless intended solely for personal use, images recorded using your camera system cannot be used in ways that infringe copyright laws without the consent of the owner. Note that some restrictions apply to the photographing of stage performances, entertainments, and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

### Handling

To ensure that images are recorded correctly, do not subject the camera to impact or physical shocks while images are being recorded.

### Liquid Crystal

In the event that the display is damaged, care should be taken to avoid contact with liquid crystal. Take the urgent action indicated should any of the following situations arise:

- **If liquid crystal comes in contact with your skin**, clean the area with a cloth and then wash thoroughly with soap and running water.
- **If liquid crystal enters your eyes**, flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- **If liquid crystal is swallowed**, rinse your mouth thoroughly with water. Drink large quantities of water and induce vomiting, then seek medical assistance.

Although the display is manufactured using extremely high-precision technology, it may contain pixels that are always lit or that do not light. This is not a malfunction, and images recorded with the product are unaffected.

### Trademark Information

Digital Split Image is a trademark or registered trademark of FUJIFILM Corporation. Digital Micro Prism is a trademark or registered trademark of FUJIFILM Corporation. The typefaces included herein are solely developed by DynaComware Taiwan Inc. Apple, iPhone, iPad, Mac, Mac OS X, OS X, macOS, Lightning and Apple ProRes are registered trademarks of Apple Inc. in the U.S.A. and other countries. Windows is a registered trademark of Microsoft Corporation in the U.S.A. and other countries. Android is a trademark or registered trademark of Google LLC. Adobe, the Adobe logo, Camera to Cloud, Frame.io, Lightroom and Photoshop are either registered trademarks or trademarks of Adobe in the United States and/or other countries. Wi-Fi®, the Wi-Fi CERTIFIED logo, and Wi-Fi Protected Setup® are registered trademarks of the Wi-Fi Alliance®. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc., and any use of such marks by Fujifilm is under license. The SDHC and SDXC logos are trademarks of SD-3C, LLC. Cxpress is a trademark of the CFA (CompactFlash Association). The HDMI logo is a trademark or registered trademark of HDMI Licensing LLC. QR Code is a registered trademark of DENSO WAVE INCORPORATED. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. AirGlu™ is a trademark or registered trademark of Atomos. All other trade names mentioned in this manual are the trademarks or registered trademarks of their respective owners.

### Electrical Interference

This camera may interfere with hospital or aviation equipment. Consult with hospital or airline staff before using the camera in a hospital or on an aircraft.

### Color Television Systems

NTSC (National Television System Committee) is a color television telecasting specification adopted mainly in the U.S.A., Canada, and Japan. PAL (Phase Alternation by Line) is a color television system adopted mainly in European countries and China.

**IMPORTANT NOTICE: Read Before Using the Software**

Direct or indirect export, in whole or in part, of licensed software without the permission of the applicable governing bodies is prohibited.

**Lenses and Other Accessories**

- Read the manuals provided with the camera and lens when attaching the lens, and attach the lens correctly. We cannot guarantee accidents or malfunctions caused by incorrect attachment.
- For accessory mounting screw holes, use products with a screw length less than or equal to the hole depth indicated in the external dimensions (☞ 241).
- Fujifilm will not be held liable for performance issues or damage caused by the use of third-party accessories.

**NOTICES**

*To prevent fire or shock hazard, do not expose the unit to rain or moisture.*

*Please read the "Safety Notes" and make sure you understand them before using the camera.*

*Perchlorate Material—special handling may apply. See:*

*<http://www.dtsc.ca.gov/hazardouswaste/perchlorate>*

Tested To Comply With FCC Standards



Contains IC : 10293A-BM25EXT

Contains FCC ID : COF-BM25-EXT

**FCC Statement:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Radiation Exposure Statement:** This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

**Notes on the Grant:** To comply with Part 15 of the FCC Rules, this product must be used with a Fujifilm-specified ferrite-core A/V cable, USB cable, and DC supply cord.



A lithium ion battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.



California Code of Regulations, Title 20, Division 2, Chapter 4, Article 4, Appliance Efficiency Regulations, Sections 1601 through 1609



**For Customers in Canada****CAN ICES (A)/NMB (A)**

**CAUTION:** This Class A digital apparatus complies with Canadian ICES-003.

**Industry Canada statement:** This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios. The County Code Selection feature is disabled for products marketed in the US/ Canada.

**Radiation Exposure Statement:** The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. The camera has been tested and found to comply with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules.

Operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

**Disposal of Electrical and Electronic Equipment in Private Households****In the European Union, Norway, Iceland and**

**Liechtenstein:** This symbol on the product, or in the manual and in the warranty, and/or on its packaging indicates that this product shall not be treated as household waste. Instead it should be taken to an applicable collection point for the recycling of electrical and electronic equipment.



By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

This symbol on the batteries or accumulators indicates that those batteries shall not be treated as household waste.



If your equipment contains easy removable batteries or accumulators please dispose these separately according to your local requirements.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

**In Countries Outside the European Union, Norway, Iceland and**

**Liechtenstein:** If you wish to discard this product, including the batteries or accumulators, please contact your local authorities and ask for the correct way of disposal.

**In Japan:** This symbol on the batteries indicates that they are to be disposed of separately.

**Caring for the Camera**

To ensure continued enjoyment of the product, observe the following precautions.

**Storage and Use**

If the camera will not be used for an extended period, remove the battery and memory card. Do not store or use the camera in locations that are:

- exposed to rain, steam, or smoke
- very humid or extremely dusty
- exposed to direct sunlight or very high temperatures, such as in a closed vehicle on a sunny day
- extremely cold
- subject to strong vibration
- exposed to strong magnetic fields, such as near a broadcasting antenna, power line, radar emitter, motor, transformer, or magnet
- in contact with volatile chemicals such as pesticides
- next to rubber or vinyl products

## Wireless Network and Bluetooth Devices: Cautions

This product complies with the following EU Directives:

- RoHS Directive 2011/65/EU
- RE Directive 2014/53/EU

Hereby, FUJIFILM Corporation declares that the radio equipment type FF250002 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

[https://dl.fujifilm-x.com/doc/gfx-eterna-55\\_doc-iod.pdf](https://dl.fujifilm-x.com/doc/gfx-eterna-55_doc-iod.pdf)

The full text of the UK declaration of conformity is available at the following internet address:

[https://dl.fujifilm-x.com/doc/gfx-eterna-55\\_doc-iod\\_uk.pdf](https://dl.fujifilm-x.com/doc/gfx-eterna-55_doc-iod_uk.pdf)

This compliance is indicated by the following conformity marking placed on the product:



This marking is valid for non-Telecom products and EU harmonized Telecom products (e.g. Bluetooth®).

• **Maximum radio-frequency power (EIRP):**

- WLAN 2.4 GHz: 13.69 dBm
- WLAN 5 GHz: 13.24 dBm
- Bluetooth: 9.57 dBm

**IMPORTANT:** Read the following notices before using the camera's built-in wireless transmitter.

① This product, which contains encryption function developed in the United States, is controlled by the United States Export Administration Regulations and may not be exported or re-exported to any country to which the United States embargoes goods.

- **Use only a wireless network or Bluetooth device.** Fujifilm does not accept liability for damages resulting from unauthorized use. Do not use in applications requiring a high degree of reliability, for example in medical devices or other systems that may directly or indirectly impact human life. When using the device in computer and other systems that demand a greater degree of reliability than offered by wireless network or Bluetooth devices, be sure to take all necessary precautions to ensure safety and prevent malfunction.
- **Use only in the country in which the device was purchased.** This device conforms to regulations governing wireless network and Bluetooth devices in the country in which it was purchased. Observe all location regulations when using the device. Fujifilm does not accept liability for problems arising from use in other jurisdictions.
- **Do not use the device in locations subject to magnetic fields, static electricity, or radio interference.** Do not use the transmitter in the vicinity of microwave ovens or in other locations subject to magnetic fields, static electricity, or radio interference that may prevent reception of wireless signals. Mutual interference may occur when the transmitter is used in the vicinity of other wireless devices operating in the 2.4 GHz band.
- **The wireless transmitter operates in the 2.4 GHz and 5 GHz bands using DSSS, OFDM and GFSK modulation.**
- **Security:** Wireless network and Bluetooth devices transmit data via radio and consequently their use requires greater attention to security than applies in the case of wired networks.
  - Do not connect to unknown networks or networks to which you do not have access rights, even if they are displayed on your device, as such access may be considered unauthorized. Connect only to networks to which you have access rights.
  - Be aware that wireless transmissions may be vulnerable to interception by third parties.
  - Do not connect this device directly to telecommunications networks (including public wireless LANs) operated by providers or mobile, landline, Internet, or other telecommunications services.
- **The following may be punishable by law:**
  - Disassembly or modification of this device
  - Removal of device certification labels
- **This device operates on the same frequency as commercial, educational, and medical devices and wireless transmitters.** It also operates on the same frequency as licensed transmitters and special unlicensed low-voltage transmitters used in RFID tracking systems for assembly lines and in other similar applications.
- **To prevent interference with the above devices, observe the following precautions.** Confirm that the RFID transmitter is not in operation before using this device. Should you observe that the device causes interference in licensed transmitters used for RFID tracking, immediately stop using the affected frequency or move the device to another location. If you notice that this device causes interference in low-voltage RFID tracing systems, contact your Fujifilm dealer.

- **Do not use this device on board an aircraft.** When on an aircraft, follow the instructions of airline personnel.
- Requirements in AT/BG/BG/CZ/DK/EE/FR/DE/IS/IE/IT/EL/ES/CY/LV/LI/LT/LU/HU/MT/NL/NO/PL/PT/RO/SI/SK/TR/FI/SE/CH/UK/HR/ID. 5150 MHz–5350 MHz is for indoor use only.

**Specific Absorption Rate (SAR) Information**

SAR is measured with the device at 0 mm to the body, while transmitting at the highest certified output power level in all frequency bands of the device. The maximum SAR value is 0.346 W/kg (head/body) averaged over 10 gram of tissue.

**U.K. Importer:**

FUJIFILM UK Ltd.

Fujifilm House, Whitbread Way, Bedford, Bedfordshire, MK42 0ZE, United Kingdom

**EU Importer:**

FUJIFILM Germany GmbH (FFDE)

Balcke-Dürr-Allee 6, 40882 Ratingen, Germany



## Be sure to read these notes before using the lens

### Safety Notes




- Make sure that you use the lens correctly. Read these safety notes and the camera *Owner's Manual* carefully before use.
- After reading these safety notes, store them in a safe place.

### About the Icons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.

	<b>WARNING</b>	This icon indicates that death or serious injury can result if the information is ignored.
	<b>CAUTION</b>	This icon indicates that personal injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the instructions which are to be observed.

	Triangular icons tell you that this information requires attention ("Important").
	Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").
	Filled circles with an exclamation mark indicate an action that must be performed ("Required").

### WARNING



**Do not immerse in or expose to water.** Failure to observe this precaution can cause a fire or electric shock.



**Do not disassemble (do not open the case).** Failure to observe this precaution can cause fire, electric shock, or injury due to product malfunction.



**Should the case break open as the result of a fall or other accident, do not touch the exposed parts.** Failure to observe this precaution could result in electric shock or in injury from touching the damaged parts. Remove the battery immediately, taking care to avoid injury or electric shock, and take the product to the point of purchase for consultation.



**Do not place on unstable surfaces.** The product may fall, causing injury.



**Do not view the sun through the lens or camera viewfinders.** Failure to observe this precaution can cause permanent visual impairment.

### CAUTION



**Do not use or store in locations that are exposed to steam, or smoke or are very humid or extremely dusty.** Failure to observe this precaution can cause fire or electric shock.



**Do not leave in direct sunlight or in locations subject to very high temperatures, such as in a closed vehicle on a sunny day.** Failure to observe this precaution can cause fire.



**Keep out of the reach of small children.** This product could cause injury in the hands of a child.



**Do not handle with wet hands.** Failure to observe this precaution can cause electric shock.



**Keep the sun out of the frame when shooting backlit subjects.** Sunlight focused into the camera when the sun is in or close to the frame can cause fire or burns.



**When the product is not in use, replace the lens caps and store out of direct sunlight.** Sunlight focused by the lens can cause fire or burns.



**Do not carry the camera or lens while they are attached to a tripod.** The product can fall or strike other objects, causing injury.

**! WARNING**

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH** of **CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

**■ Notes on the Built-in Battery**

- This product contains a non-replaceable battery.
- The compatible battery type: MS621R
- The nominal battery voltage: 3V
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.  
Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Do not force discharge, disassemble, heat above 60°C or incinerate.  
Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

## Statement of Compliance

<b>Manufacturer:</b>	FUJIFILM Corporation
<b>Address:</b>	7-3, Akasaka 9-Chome Minato-Ku, Tokyo 107-0052, JAPAN
<b>UK Authorized Representative:</b>	FUJIFILM UK Ltd.
<b>Address:</b>	Fujifilm House, Whitbread Way, Bedford, Bedfordshire, MK42 0ZE, United Kingdom
<b>Trade Mark:</b>	FUJIFILM
<b>Product Name:</b>	DIGITAL FILMMAKING CAMERA
<b>Product Model Number:</b>	FF250002
<b>Model Number:</b>	GFX ETERNA 55
<b>Support period:</b>	<u>Seven years after the end of production</u> For details, refer to the website shown below. <a href="https://repairs.fujifilm.eu/en/repairable-products/">https://repairs.fujifilm.eu/en/repairable-products/</a>

**We, Fujifilm Corporation, herewith declare under our sole responsibility that the product(s) identified in this declaration conforms to the applicable security requirements in Schedule 1 of the following Regulations and Standards.**

<b>Regulations:</b>	The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023
<b>Standards:</b>	ETSI EN 303 645 V2.1.1 (2020-06) (provision 5.1-1, 5.1-2, 5.2-1, 5.3-13)
<b>Place: JAPAN</b>	 (Signature)
<b>Date: September 29, 2025</b>	(Name, Function) Akihiro Kobayashi General Manager of Quality Assurance Group, Imaging Solutions Division FUJIFILM Corporation

## Product Care

To ensure continued enjoyment of the product, observe the following precautions.

- Use a soft, dry cloth to clean the camera body and accessories after each use. Do not use alcohol, thinner, benzene, insecticide or other volatile chemicals, which could discolor, deteriorate, or deform the product, or strip the paint.
- Any liquid on the camera or accessories should be removed immediately with a soft, dry cloth.
- Use a blower brush or similar tool to remove dust from the LCD monitor surface and other areas and then gently wipe with a soft, dry cloth. Any remaining stains can be gently removed with a small amount of lens-cleaning fluid on a piece of Fujifilm lens-cleaning paper.
- The LCD monitor surface and other areas are delicate and prone to scratches, so do not rub them with a hard object.
- Use **MAINTENANCE > SENSOR CLEANING** in **SET UP** to clean the sensor.
- To prevent dust entering the camera, replace the body cap when no lens is in place.
- Use a blower to remove dust and lint from the glass surfaces of the lens. To remove smudges and fingerprints, apply a small amount of lens cleaner to a soft, clean cotton cloth or lens-cleaning tissue and clean from the center outwards using a circular motion.

## Firmware Updates

When the firmware has been updated, and features have been added and/or changed, update the firmware.



After updating to the latest firmware, the features of the camera may differ somewhat from what is listed in this manual.

### Downloading Firmware

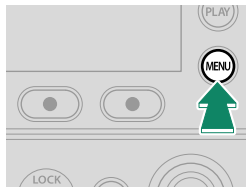
First download the latest firmware and save it to a memory card. For the method to download the firmware, refer to the following website.

<https://fujifilm-x.com/support/download/firmware/cameras/>

### Updating Firmware

Firmware can be updated in the following ways.

- 1 Insert a memory card containing the new firmware into the camera.
- 2 Press **MENU** during shooting.  
**MENU** options will be displayed on the side monitors.





**3 Select SET UP > FIRMWARE UPDATE.****4 Select the target for firmware update.****5 A confirmation dialog will be displayed.**

Press two **OK** (Screen buttons 4 and 6) to update the firmware.



- Use the battery with a sufficient charge to update the firmware. Do not turn off or operate the camera during an update. If the camera is turned off during a firmware update, the camera may no longer operate normally.
- The time required for a firmware update depends on the size of the firmware. At most, it may take about 10 minutes.
- It is not possible to return to a previous version after the firmware has been updated.
- If an error message appears while the firmware is being updated, refer to the following website.

*<https://fujifilm-x.com/support/download/error-message/>*

## Troubleshooting

Consult the table below should you encounter problems using your camera. If you don't find the solution here, contact your Fujifilm dealer.

### Power and Battery

#### Power and Battery

Problem	Solution
The camera does not turn on even when the power switch is set to  .	<ul style="list-style-type: none"><li>• The supplied battery is not charged at shipment. Charge the battery before first use.</li><li>• Charge the supplied battery before use (📖 32).</li><li>• Reinsert the supplied battery in the correct orientation (📖 32).</li><li>• Reinsert a fully-charged V-mount battery in the correct orientation.</li><li>• When using an AC power adapter, confirm that the AC power adapter and the AC cable are properly connected.</li></ul>
The supplied battery runs down quickly.	<ul style="list-style-type: none"><li>• Select <b>MAINTENANCE &gt; BATTERY AGE</b> in <b>SET UP</b> to view the battery age; if the battery is old, replace it with a new battery.</li></ul>
The camera turns off suddenly.	<ul style="list-style-type: none"><li>• Check whether the battery is running out of power (📖 57).</li><li>• When the camera temperature becomes high, it will automatically turn off.</li></ul>

## Shooting

### Basic Shooting

Problem	Solution
Shooting is unavailable when the REC button is pressed.	<ul style="list-style-type: none"> <li>• Check the free space on the memory card.</li> <li>• Check whether the connected external device is ready for recording.</li> </ul>

### Movie Recording

Problem	Solution
Video recording ended unexpectedly.	<p>Recording may stop if the writing speed of the storage media is slow. A list of supported storage media is available on the Fujifilm website. For details, refer to “COMPATIBILITY (Cameras)”.</p> <p><a href="https://fujifilm-x.com/support/compatibility/cameras/">https://fujifilm-x.com/support/compatibility/cameras/</a></p>

### Abnormalities in Recorded Movies

Problem	Solution
Audio cannot be recorded. Noticeable noise in the audio.	<ul style="list-style-type: none"> <li>• Check settings for <b>AUDIO SETTING</b>.</li> <li>• Confirm that the microphone is not blocked during recording.</li> </ul>

## Playback

### Movie Playback

Problem	Solution
Unable to play back movies.	Movie clip playback may be unavailable if the clip was renamed or edited, or if its folder was renamed via a computer or other cameras.

### Wireless Transfer

For additional information on troubleshooting wireless connections, visit:

<https://digitalcamera-support-en.fujifilm.com/>

### Uploading Files

Problem	Solution
Cannot upload files.	<ul style="list-style-type: none"><li>• Check that the network settings are correct.</li><li>• The signal strength may be poor. Move the camera to another location and try again.</li><li>• Ensure the camera clock is set correctly.</li></ul>



## Miscellaneous

### Camera Operation

Problem	Solution
The camera is unresponsive.	<ul style="list-style-type: none"><li>• Remove and reinsert the battery (📖 32).</li><li>• Use the lock switch to unlock the controls (📖 15).</li></ul>
The camera does not function as expected.	Remove the battery and any accessories attached to the camera, then reattach only the minimum necessary accessories and reinsert the battery before operating the camera (📖 32). If the problem persists, contact your Fujifilm dealer.

## Warning Messages and Displays

The following warnings appear in the display.


Warning	Description
 (red)	Low battery. Charge the battery or insert a fully-charged spare battery.
 (red)	Battery exhausted. Charge the battery or insert a fully-charged spare battery.
<b>!AF</b> (displayed in red with red focus frame)	The camera cannot focus. Focus on another subject at the same distance, then recompose the shot.
Aperture or shutter speed displayed in red	The subject is too bright or too dark. Movies can be shot, but will be over- or under-exposed.
<b>FOCUS ERROR</b>	
<b>LENS CONTROL ERROR</b>	Camera malfunction. Turn the camera off and then on again. If the problem persists, contact your Fujifilm dealer.
<b>TURN OFF THE CAMERA AND TURN ON AGAIN</b>	
<b>MEDIA NOT INITIALIZED</b>	<ul style="list-style-type: none"><li>• <b>The memory card is not formatted or the memory card has been formatted in a computer or other device:</b> Format the memory card in the camera.</li><li>• <b>The memory card contacts require cleaning:</b> Clean the contacts with a soft, dry cloth. If the message is repeated, format the card. If the message persists, replace the card.</li><li>• <b>Camera malfunction:</b> Contact your Fujifilm dealer.</li></ul>

Warning	Description
<b>MEDIA ERROR</b>	<ul style="list-style-type: none"> <li>• <b>The memory card is not formatted for use in the camera:</b> Format the card.</li> <li>• <b>The memory card contacts require cleaning or the memory card is damaged:</b> Clean the contacts with a soft, dry cloth. If the message is repeated, format the card. If the message persists, replace the card.</li> <li>• <b>Incompatible memory card:</b> Use a compatible card.</li> <li>• <b>Camera malfunction:</b> Contact your Fujifilm dealer.</li> </ul>
<b>PROTECTED MEDIA</b>	The memory card is locked. Unlock the card.
<b>MEMORY FULL</b>	The memory card is full and pictures cannot be recorded. Delete pictures or insert a memory card with more free space.
<b>WRITE ERROR</b>	<ul style="list-style-type: none"> <li>• <b>Memory card error or connection error:</b> Reinsert the card or turn the camera off and then on again. If the message persists, contact your Fujifilm dealer.</li> <li>• <b>Not enough memory remaining to record additional files:</b> Delete files or insert a memory card with more free space.</li> <li>• <b>The memory card was removed while data were being recorded:</b> Do not remove the memory card during recording.</li> <li>• <b>The memory card write speed is slow:</b> When recording movies, be sure the memory card write speed is fast enough.</li> </ul>

Warning	Description
<b>READ ERROR</b>	<ul style="list-style-type: none"> <li>• <b>The file is corrupt or was not created with the camera:</b> The file cannot be viewed.</li> <li>• <b>The memory card contacts require cleaning:</b> Clean the contacts with a soft, dry cloth. If the message is repeated, format the card. If the message persists, replace the card.</li> <li>• <b>Camera malfunction:</b> Contact your Fujifilm dealer.</li> </ul>
<b>! (yellow)</b> <b>CAMERA IS APPROACHING HIGH TEMPERATURE LIMIT.DO NOT HOLD CAMERA FOR LONG PERIODS OF TIME</b>	<p>The camera is approaching the maximum temperature allowed. Remaining in contact with the camera could result in low-temperature burns; do not continue holding the camera. The camera will shortly turn off automatically. Turn the camera off and wait for it to cool. Mottling may increase in pictures taken when this warning is displayed.</p>
<b>! (red)</b> <b>HIGH TEMPERATURE LIMIT REACHED SHUTTING DOWN</b>	<p>The camera temperature has reached the cutoff point and the camera is about to turn off automatically. Turn the camera off and wait for it to cool. Mottling may increase in pictures taken when this warning is displayed.</p>



## Errors

If a  icon appears in the display, select **NETWORK > ERROR DESCRIPTION** to view the error and then take the appropriate action.

Error	Solution
NOT CONNECTED TO NETWORK VIA WIRELESS LAN	<ul style="list-style-type: none"><li>• <b>No connection to access point:</b> Confirm that the access point is on, verify its settings and IP address, and check that there are no obstructions blocking its signal. If necessary, move the camera closer to the access point.</li><li>• <b>Camera settings have not been correctly adjusted for connection to the access point:</b> Check that the password, encryption type, and SSID match those chosen for the access point.</li></ul>
IP ADDRESS CANNOT BE ASSIGNED BY DHCP SERVER OR THERE IS AN ISSUE WITH IP ADDRESS SETTING PLEASE CHECK SETTINGS	<ul style="list-style-type: none"><li>• <b>No DHCP server:</b> If there is no DHCP server on the network, enter the IP address and other information manually.</li><li>• <b>The DHCP server is down:</b> Contact the network administrator.</li></ul>
CA ROOT CERTIFICATE IS INVALID	<b>The root certificate has expired:</b> After confirming that the camera clock is set to the correct time and date, load an updated CA root certificate.

Error	Solution
Frame.io DISCONNECTED	<ul style="list-style-type: none"> <li>• <b>The Frame.io server may be down:</b> Check that the Frame.io server is up or try again later.</li> <li>• <b>The camera clock is not set to the correct time and date:</b> Set the camera clock.</li> <li>• <b>The network is not configured correctly:</b> Check the settings of the connected network.</li> <li>• Turn the camera off and then on again.</li> <li>• Contact the network administrator.</li> </ul>
UNEXPECTED ERROR HAS OCCURRED	<ul style="list-style-type: none"> <li>• Turn the camera off and then on again.</li> <li>• Contact the network administrator.</li> </ul>

## Standard Recording Time

The standard recording time is approximate. The actual recording time varies depending on the recording conditions and the type of memory card used. Also, the time displayed on the LCD monitor may not diminish at an even rate.


Settings \ Capacity	SD/CFexpress memory cards 512 GB
ProRes HQ 4K 24P	Approx. 85 minutes
H.265 720Mbps	Approx. 100 minutes

- The types of memory cards available vary with the settings selected (42).
- Depending on the bit rate, shots saved to memory cards with a capacity of 32 GB or less may be recorded across multiple files without interruption. The same is true of shots over an hour in length, independent of the bit rate and memory card capacity.

## Specifications

System	
Model	FUJIFILM GFX ETERNA 55
Product Number	FF250002
Image sensor	43.8 mm × 32.9 mm Bayer array with primary color filter
Storage media	Fujifilm-recommended SD/SDHC/SDXC and CFexpress Type B memory cards
Memory card slots	<ul style="list-style-type: none"><li>• SD memory card slot (UHS-II compliant) ×1</li><li>• CFexpress memory card slot (Type B) ×1</li></ul>
File system	<ul style="list-style-type: none"><li>• <b>Container format:</b> MOV, MXF</li><li>• <b>Codec:</b> Compliant with HEVC/H.265 and ProRes</li><li>• <b>Audio:</b> LPCM (two channels: 24-bit, 48 kHz sampling)</li><li>• <b>Audio (via XLR microphone adapter):</b> LPCM (two channels: 24-bit, 48 kHz sampling; four channels: 24-bit, 48 kHz sampling)</li><li>• <b>Still pictures:</b> Compliant with JPEG</li></ul>
Lens mount	FUJIFILM G mount
Sensitivity	Standard output sensitivity equivalent to ISO 400–12800 in increments of 1/3 EV; AUTO; extended output sensitivity equivalent to ISO 100, 320, 25600
Metering	256-segment through-the-lens (TTL) metering; MULTI, CENTER WEIGHTED, SPOT, AVERAGE
Exposure compensation	–2 EV–+2 EV in increments of 1/4 EV

## System

<b>Shutter speed</b>	<ul style="list-style-type: none"> <li>Electronic shutter</li> <li><b>Shutter speed:</b> <math>\frac{1}{8000}</math> s to <math>\frac{1}{8}</math> s</li> <li><b>Shutter angle:</b> 5.6 degrees to 360 degrees</li> </ul>
<b>Focus</b>	<ul style="list-style-type: none"> <li><b>Mode:</b> Continuous AF; manual focus with focus ring</li> <li><b>Autofocus system:</b> Intelligent hybrid AF (TTL contrast-detect/phase-detection AF)</li> <li><b>Focus-area selection:</b> MULTI, TRACKING, AREA</li> </ul>
<b>White balance</b>	Auto (WHITE PRIORITY, AUTO, AMBIENCE PRIORITY), color temperature selection (2000 K to 11000 K), CC (–16.00 to +16.00), custom
<b>Self-timer</b>	Off, 3 sec., 5 sec., 10 sec.
<b>LCD monitor</b>	3-in/7.6 cm, 720 × 480-dot color touch screen LCD monitor
<b>In-body ND filter</b>	<ul style="list-style-type: none"> <li>CLEAR</li> <li><b>Electronic variable ND filter:</b> 0.6 (ND4) to 2.1 (ND128)</li> </ul>
<b>Movies</b> <b>(with stereo sound)</b>	<ul style="list-style-type: none"> <li><b>Resolution:</b> 8K 2.76:1, 8K 2.39:1, 8K 16:9, 8K 17:9, 6.3K 16:9, 5.8K 2.39:1, 5.4K 17:9, 4.8K 3:2, 4.8K 16:9, 4.6K 1.38:1, 4K 4:3, 4K 16:9, 4K 17:9, 4K 1.195:1, FHD 16:9, FHD 17:9</li> </ul> <div style="background-color: #f0f0f0; padding: 5px; margin: 5px 0;">  The size that can be selected depends on the <b>IMAGE FORMAT</b> setting.         </div> <ul style="list-style-type: none"> <li><b>Frame rate:</b> 59.94P, 50P, 48P, 47.95P, 29.97P, 25P, 24P, 23.98P</li> <li><b>Recording format:</b> <ul style="list-style-type: none"> <li>– H.265 (10-bit MOV/MXF 4:2:2; 720, 360, 200, 100, or 50 Mbps)</li> <li>– ProRes 422 HQ, ProRes 422, ProRes 422 LT (10-bit MOV/MXF 4:2:2)</li> </ul> </li> <li><b>Output format:</b> HDMI/SDI output supported (RAW output supported with Atomos and Blackmagic Design external recorders; 10-bit 4:2:2)</li> </ul>

## Input/output terminals

<b>Microphone connector</b>	ø3.5 mm mini-stereo jack
<b>Headphone jack socket</b>	ø3.5 mm mini-stereo jack
<b>Remote release connector</b>	ø2.5 mm 3-pole mini jack
<b>Digital input/output</b>	USB connector: USB Type-C® USB 10 Gbps
<b>LAN connector</b>	1000BASE-T, 100BASE-TX, 10BASE-T
<b>SDI connector</b>	BNC type
<b>HDMI output</b>	HDMI connector (Type A)
<b>TC IN/TC OUT connector</b>	BNC type
<b>Genlock connector</b>	BNC type
<b>Lens connector</b>	12-pin
<b>DC OUT connector</b>	LEMO 2-pin, 12 V, 3 A
<b>DC IN connector</b>	4-pin

**Power supply/other****Power supply**

- NP-W235 rechargeable battery (supplied with camera)
- V-mount battery (sold separately)
- AC-15VS AC power adapter (supplied with camera)

**Power consumption**

- **Standard power consumption:** 21 W (Lens included, 4K 16:9, 59.94P, ProRes HQ, COOLING FAN SETTING AUTO1, excluding peripherals other than the LCD monitor and handle)
- **Maximum power consumption:** 49 W (Lens included, 4K 16:9, 59.94P, ProRes HQ, COOLING FAN SETTING HIGH, including peripherals, DC OUT 12 V connector disconnected)

**Camera size**  
(W × H × D)

110.8 mm × 138.2 mm × 176.8 mm/4.36 in. × 5.44 in. × 6.96 in.

**Camera weight**

Approx. 2.0 kg/70.5 oz., excluding battery, accessories, and memory card

**Operating conditions**

- **Temperature:** −10 °C to +40 °C/+14 °F to +104 °F (+5 °C to +40 °C/+41 °F to +104 °F when battery is charging)
- **Humidity:** 10% to 80% (no condensation)

## Wireless transmitter

### Wireless LAN

<b>Standards</b>	IEEE 802.11a/b/g/n/ac (standard wireless protocol)
<b>Operating frequency (center frequency)</b>	<ul style="list-style-type: none"> <li>• <b>USA, Canada, Brazil, China, India, Korea, Malaysia, Indonesia</b> : 2,412 MHz–2,462 MHz (11 channels) : 5,180 MHz–5,320 MHz (W52, W53) : 5,745 MHz–5,825 MHz (UNII-3)</li> <li>• <b>European Union, Japan, United Kingdom, Australia, Norway, New Zealand, Turkey, Hong Kong, Philippines, Vietnam, Singapore, Thailand, UAE, Russia, Taiwan, Saudi Arabia, Qatar, Bahrain, Oman, Egypt, Iran, Kuwait, Lebanon, Uzbekistan, Israel</b> : 2,412 MHz–2,462 MHz (11 channels) : 5,180 MHz–5,320 MHz (W52, W53) : 5,500 MHz–5,700 MHz (W56)</li> </ul>
<b>Access protocols</b>	Infrastructure

### Bluetooth®

<b>Standards</b>	Bluetooth version 4.2 (Bluetooth Low Energy)
<b>Operating frequency (center frequency)</b>	2,402 MHz–2,480 MHz



**NP-W235 rechargeable battery**

<b>Nominal voltage</b>	7.2 V
<b>Nominal capacity</b>	2350 mAh
<b>Rating capacity</b>	2200 mAh
<b>Operating temperature</b>	0 °C to +40 °C/+32 °F to +104 °F
<b>Dimensions</b> (W × H × D)	38.92 mm × 22.8 mm × 52.26 mm/ 1.5 in. × 0.9 in. × 2.1 in.
<b>Weight</b>	Approx. 79 g/2.8 oz.

**AC-15VS AC power adapter**

<b>Manufacturer</b>	Adapter Technology Co., Ltd.
<b>Address</b>	6F, No.258, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan
<b>Model name</b>	ATS160A1-P150
<b>Rated input</b>	AC 100V-240V 50/60Hz
<b>Rated output</b>	DC 15.0V 10.0A 150W
<b>Average active efficiency</b>	88 %
<b>Efficiency at load 10%</b>	79 %
<b>No-load power consumption</b>	0.15 W
<b>Operating temperature</b>	-10 °C to +40 °C/+14 °F to +104 °F
<b>Dimensions</b> (W × H × D)	66.0 mm × 34.8 mm × 164.5 mm/ 2.6 in. × 1.4 in. × 6.5 in. (excluding projections)
<b>Weight</b>	Approx. 500 g/17.6 oz. (without the connection cord)

**VF-GFXC1 LCD monitor**

<b>LCD monitor</b>	5-in/12.7 cm, 6220 k-dot color touch screen LCD monitor
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<b>Dimensions</b> (W × H × D)	142.5 mm × 85.1 mm × 30.6 mm/5.61 in. × 3.35 in. × 1.20 in. (excluding cables)
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<b>Weight</b>	Approx. 310 g/10.9 oz.
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**RH-GFXC1 handle**

<b>Hot shoe</b>	Provided
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<b>Dimensions</b> (W × H × D)	197.4 mm × 87.5 mm × 69.8 mm/ 7.78 in. × 3.44 in. × 2.75 in. (excluding cables)
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<b>Weight</b>	Approx. 505 g/17.8 oz.
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**PL MOUNT ADAPTER G PL-mount adapter**

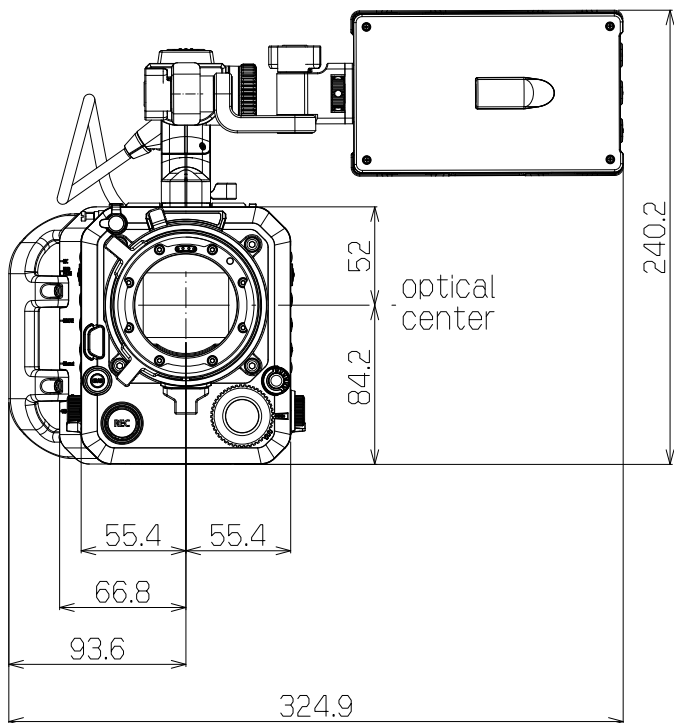
<b>Dimensions</b> (W × H × D)	94.2 mm (including PL lock levers) × 81.4 mm (not including PL lock levers) × 37.1 mm (PL-mount adapter)/ 3.71 in. × 3.20 in. × 1.46 in.
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<b>Weight</b>	Approx. 246 g/8.7 oz. (PL-mount adapter only)
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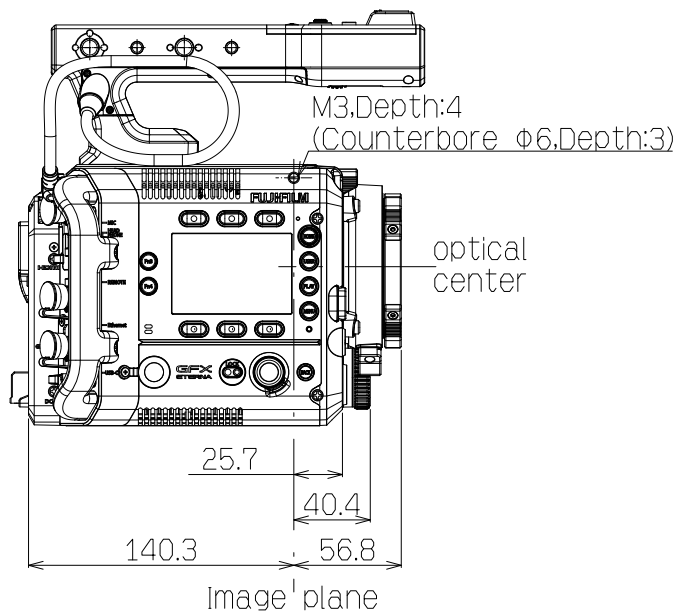
 Specifications and performance are subject to change without notice. Fujifilm will not be held liable for any errors this manual may contain. The appearance of the product may differ from that described in this manual.

## External dimensions

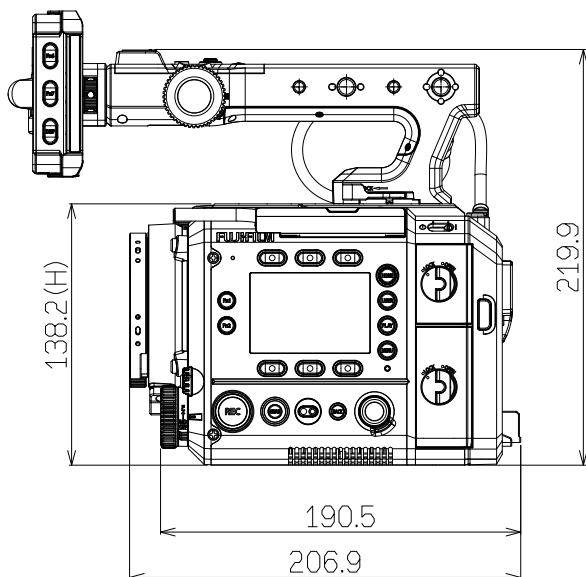
unit : mm



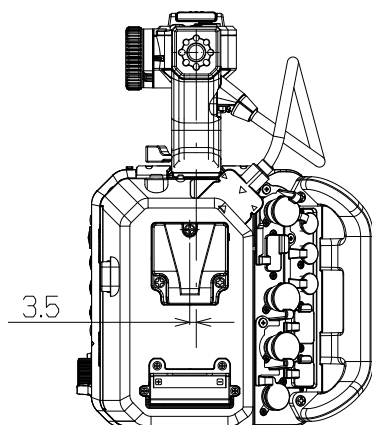
unit : mm



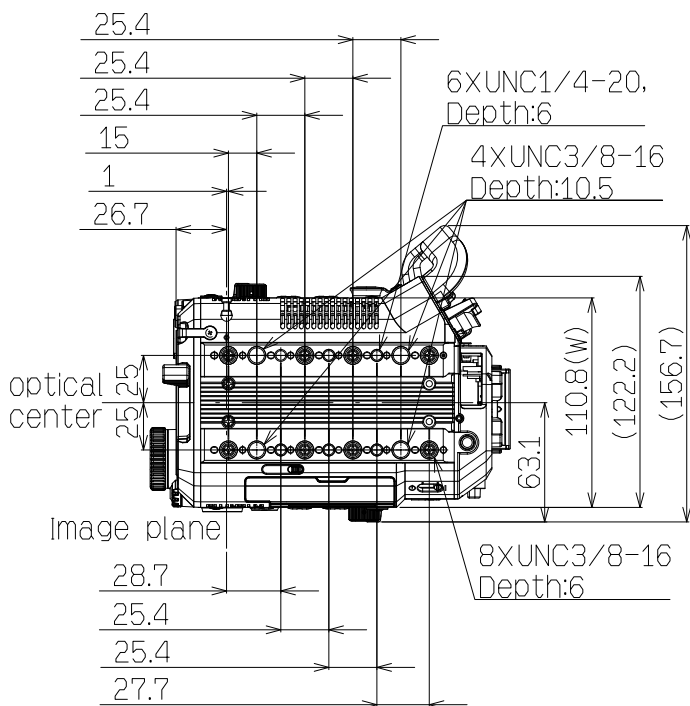
unit : mm



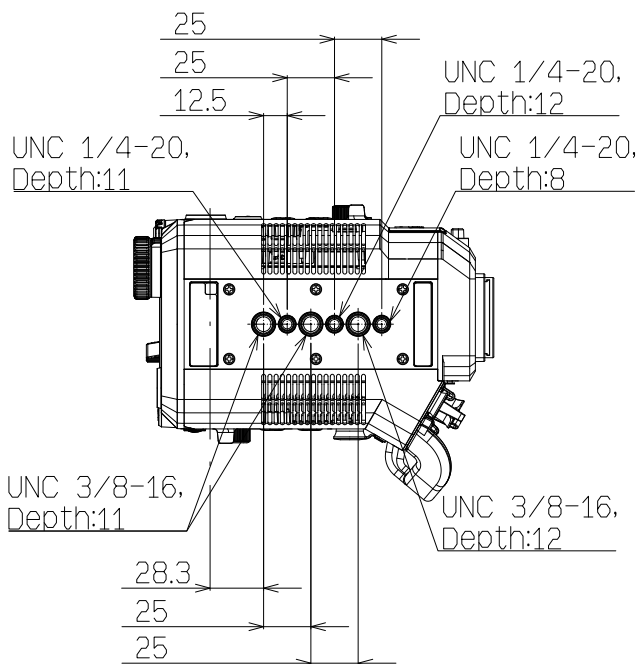
unit : mm



unit : mm

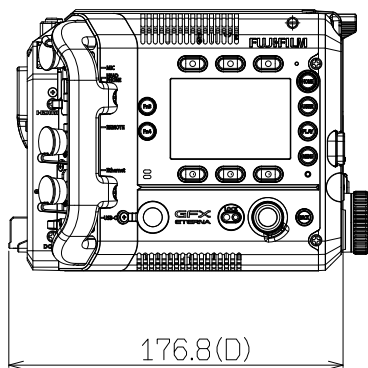


unit : mm

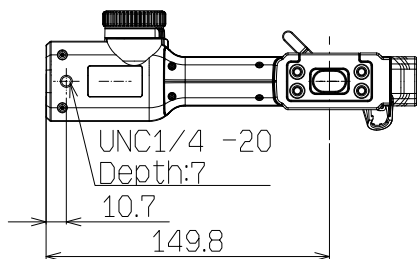
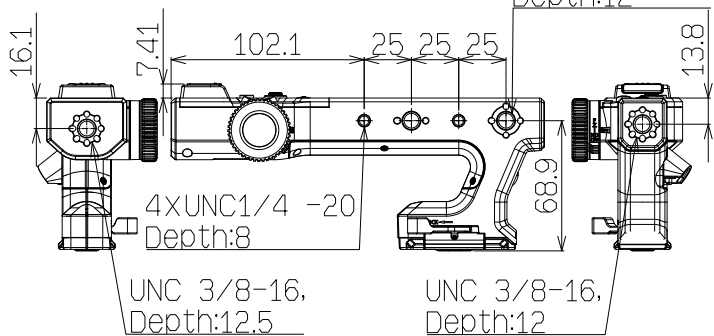
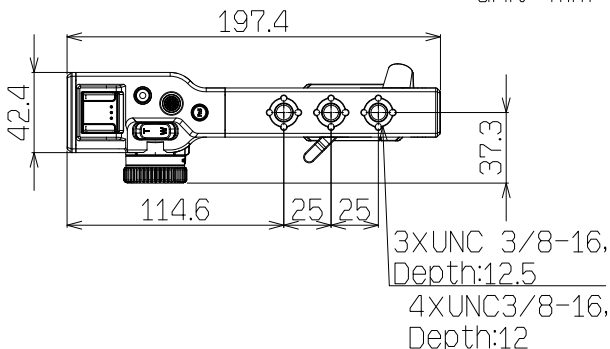




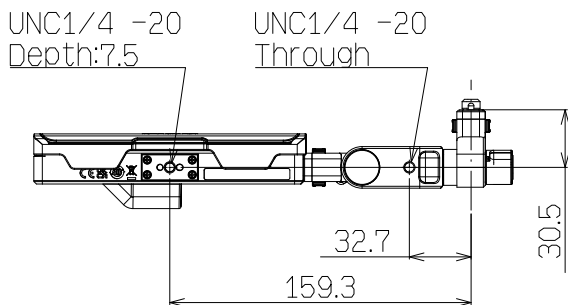
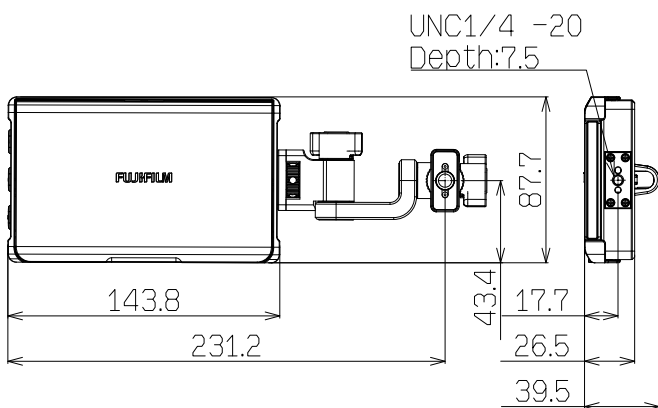
unit : mm



unit : mm



unit : mm



# FUJIFILM

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**FUJIFILM Corporation**

7-3, AKASAKA 9-CHOME, MINATO-KU, TOKYO 107-0052, JAPAN

<https://fujifilm-x.com>

