Canon

Video Display

DP-V2410

Instruction Manual

- Before use, be sure to read this guide, including the safety and handling precautions.
- Reading this guide will help you learn to use the video display properly.
- Store this guide safely so that you can use it in the future.

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Introduction

Thank you for purchasing the Video Display DP-V2410.

The On Screen Display (thereafter referred to OSD) default language setting is English. To change the OSD menu language setting, please refer to p. 95.

About this manual

Some of the illustration used in the manual have been simplified for clarity.

Conventions used in this manual

: Indicates a reference page.

Note: Indicates a note.

i Reference: Indicates reference information.

CAUTION: Indicates an item you must observe.

Trademarks

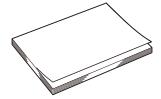
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- VESA is a registered trademark or trademark of Video Electronics Standards Association in the U.S. and other countries.
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Supplied Accessories

The following items are supplied with this product. Please check before using.



AC Power Cord HT-21



DP-V2410 Instruction Manual (this document)

Safety Precautions

For the customers in the U.S.A.

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.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Use of shielded cable is required to comply with class A limits in Subpart B of Part 15 of FCC Rules.

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.

Canon U.S.A Inc.
One Canon Park, Melville, NY 11747, U.S.A.
Tel No. (631)330-5000

For the customers in Canada

CAN ICES-3 (A) / NMB-3 (A)

For the customers in Europe

Warning;

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

CANON INC.

30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501, Japan

CANON EUROPA N.V.

Bovenkerkerweg 59, 1185 XB Amstelveen, The Netherlands



Only for European Union and EEA (Norway, Iceland and Liechtenstein)

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU) and national legislation. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service. For more information regarding return and recycling of WEEE products, please visit

www.canon-europe.com/weee.

Handling Precautions

Places to avoid using the video display

Do not use the video display in the following places or conditions.

- Places with excessive dust or humidity
- Places that will expose the video display to direct sunlight, smoke (such as from a kerosene heater or other such source) or steam
- Near heat sources, humidifiers or flammable gas
- Near a window during rain or snow
- Near water or other places that could cause moisture to form on the video display

Screen Handling

- The screen may be damaged if it is left facing strong source of light. Please take precautions when placing it near a window.
- Do not press firmly on the screen, scratch it or place an object on the screen. It can cause non-uniformity or damage to the panel.
- The screen and cabinet may become warm during use. Note this does not constitute a malfunction.

About Backlight

The backlight has a limited service life so its brightness may degrade and color may change due to aging.

About Temporary Screen burn-in

If a stationary image is displayed for a prolonged period, screen burn-in may occur where you see remnants of what was displayed. This is a characteristic of LCD and is not a failure. However, this is only temporary and will disappear when playing video.

About the LCD screen

The screen is produced using extremely high-precision manufacturing techniques, with more than 99.99% of the pixels operating to specification. Less than 0.01% of the pixels may occasionally misfire or appear as black, red, blue or green dots. In addition, this tendency may increase through long term use due to characteristic of the LCD panel. These do not constitute a malfunction.

Condensation

If this equipment is brought into a warm room while it is cold or if the room is heated suddenly, condensation may form on the surface or inside the equipment. Note that the equipment may be damaged if it is used under such condition. If condensation has formed on the surface or inside the equipment, do not use the video display as it may get damaged. Turn the power off and wait until the condensation has evaporated before using the video display.

Cleaning

- Before cleaning, be sure to unplug the AC power supply and DC power plug from the wall outlet.
- The screen has a special surface treatment, avoid touching it directly with your hand. In addition, never affix adhesive objects such as seals.
- Never use alcohol or benzene, thinner, acidic cleaning solution, alkaline cleaning solution, abrasive or chemical wipes because these will damage the screen.
- If the screen is dirty, wipe gently with soft dry cloth such as cleaning cloth or eye glasses cleaning cloth. Wiping the screen too hard may cause unevenness on the screen or damage the LCD panel. The screen may be scratched if wiped too hard with a cleaning cloth with foreign particles attached.
- When the screen is extremely dirty, wipe with soft cloth such as cleaning cloth or eye glasses cleaning cloth moistened with water-diluted neutral detergent.
- Use a blower to remove dust from the surface of the screen.
- Wipe dirt on cabinet with a soft cloth. If the screen is very dirty, use a moistened cloth with water or mild detergent diluted with water. Do not use alcohol, benzene, paint thinner, or pesticides as they may damage the surface finish or erase characters on the cabinet.

Disposing

- Do not dispose together with normal waste. Do not include the video display in waste that will be taken to landfill.
- Observe the rules and regulations of your local authorities when disposing.

Features

Video Display DP-V2410 is a reference display suitable for video production for both digital cinema and broadcasting. The video display provides high image quality made possible by Canon's image-making technology as well as built-in performance and functions suitable for shooting video.

Image quality and functions for shooting video

- Equipped with a panel with 4096x2160 resolution and backlight system.
- High brightness is available when used in a bright place.
- Supports high contrast value of 2000:1 or higher.
- High uniformity is provided by minimizing any variation due to temperature changes and aging.
- Supports wide DCI-P3 color gamut.
- Equipped with functions to improve image quality performance.
 - Supports "Boost Contrast" to increase the brightness when used in a bright environment.
 - Displays ITU-R BT.2020 color gamut at the optimum level and supports "Constant Luminance".
- Equipped with High Dynamic Range (HDR) display function.
- Supports ACESproxy.
- Equipped with functions to assist shooting and video checking, including Wave Form Monitor, Vector Scope, Screen Capture, Zoom, and False Color.
- Supports gamma equivalent to CRT standardized by ITU-R BT.1886.
- A color grading controller (Element-Tk made by Tangent Wave Ltd), external sensor, USB memory, or wireless LAN terminal (Wi-Fi adapter) can be connected to the USB port.
- Display Controller CL-01 (included with DP-V3010), external control devices, Canon displays, etc can be connected to the LAN terminal
- Supports "Square Division" and "2 Sample Interleave" video signal transport methods.
- Includes a multi-display function (4 or 2 screens)
- Equipped with a HDMI input terminal.

Link with digital cinema cameras

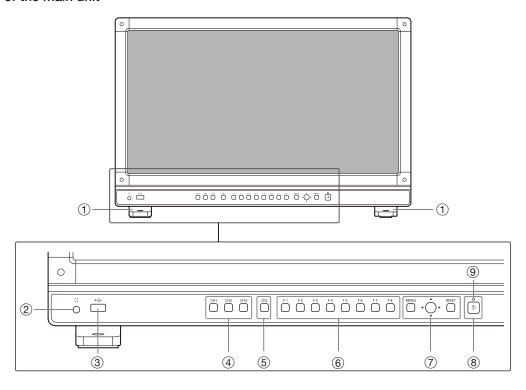
- Supports 4K RAW. Establishes 4K RAW workflow on ACES2065-1.
- CINEMA EOS SYSTEM link
- ARRI / Panasonic Camera System link

Portability

- Small, light-weight body with a 24-inch panel and weight of less than 12 kg
- · High durability achieved by a metal outer covering
- The handle on the main unit is convenient for installation and transporting. The handle and adjustable two position stand provides flexible installation and high portability.
- Supports DC power supply input.

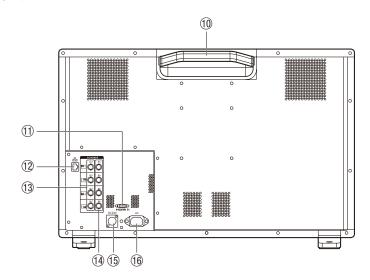
Nomenclature

■ Front face of the main unit



1	Stand	There are two mounting positions.			
2	Headphone terminal	Connection for headphone set.			
3	USB port	Connection for an external sensor for calibration (\$\sum_23\$), USB memory, HUB, color grading controller (Element-Tk made by Tangent Wave Ltd), or wireless LAN adapter (Wi-Fi adapter, \$\sum_33\$).			
4	CH1 to 3 buttons	Changes channel.	3 30		
(5)	CDL button	Switches between normal and CDL mode.			
6	F1 to F8 buttons	Execute the defined function. You can assign different functions on F buttons in the normal and CDL modes respectively.			
7	MENU button	Opens/closes the OSD menu, or moves up one level in a menu.	18		
	Jog dial	Moves the selection frame within the OSD menu, changes the settings (up/down, left/right, rotation) and determines (press) the selection.	1 18		
	RESET button	Resets the items to be adjusted using the slider and entered characters.	<u></u> 18		
8	(Power) button	Turns power On/Off.	17		
③	Power indicator	Displays the status of the main unit. The brightness of the power indicator can be set from "Off" or "1 (dark) to 5 (brightest)" (1996). Even when the power indicator is "Off", it will flash during firmware upgrade, or when an error is detected. Off: when AC or DC power supply is not connected Green lit: when an AC or DC power supply is connected and the power of the video display is on Green flash: during calibration or firmware upgrade Amber lit: during standby (an AC or DC power supply is connected and the power of the video display is off) Amber flash: when error is detected	-		

■ Back face of the main unit



10	Carrying handle	Used to install, connect, or carry the unit.			
11)	HDMI input terminal	Used to input HDMI signals.	1 16		
12	LAN (10/100 BASE) terminal	Connection for Display Controller CL-01 (included with DP-V3010), external control devices, Canon displays, etc.			
13	3G/HD-SDI output terminal	Pass through output corresponding to 3G/HD-SDI input terminal.	-		
14	3G/HD-SDI input terminal	Used to input SDI signals.	1 5		
15	DC power input terminal	Connection for DC power supply.	<u></u> 17		
16	AC power input terminal	Connection for the provided AC power supply cord.	<u></u> 17		

CAUTION

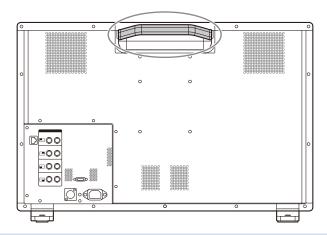
- When connecting an external sensor for calibration to the USB port, cable length must not exceed 3 m. Otherwise, communication error may occur and correct calibration may not be possible.
- Do not use the HUB when connecting a wireless LAN adapter (Wi-Fi adapter) to a USB terminal. The video display may not work.
- For safety, do not connect any connector that may have excessive voltage to the terminal of the video display when connecting peripheral devices.
- Pass through SD-SDI signals are not output correctly.

- Both FAT16 and FAT32 USB memory devices are supported.
- Proper operation cannot be guaranteed for all USB memories.
- It may take 10 seconds or more for the USB memory to be recognized. If the function to save data on a USB memory is executed during recognition, the message "Detecting USB memory" is displayed.

Installation/Connection

How to Carry the Main Unit

When lifting the video display, be sure to hold the carrying handle on the back.



CAUTION

• When carrying the video display, handle it carefully not to touch or damage the screen.

Procedures to attach the protection panel

You can attach the protection panel to protect the screen when carrying the video display or when using it outdoors.

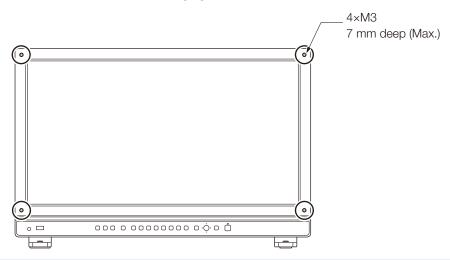
1. Unscrew the four screws on the front face.

Use a 1.5 mm hexagonal key.

Do not lose the removed screws. Do not use these screws for other purposes.

2. Place the protection panel by aligning its corners with the screw holes.

Take care when attaching the panel in order to avoid damaging it.



CAUTION

• Avoid touching the screen during this step as it may damage it.

Procedures to attach/detach stands

The stand can be attached in two different positions. This section describes the procedure to attach/detach the stand, to change the stand position. It also describes the procedure for installing the video display on a rack or a wall.

CAUTION

- Use a flat, clear surface when attaching/detaching the stand.
- The display can tip over if the stand has not been attached.
- Avoid touching the screen during this step as it may damage it.

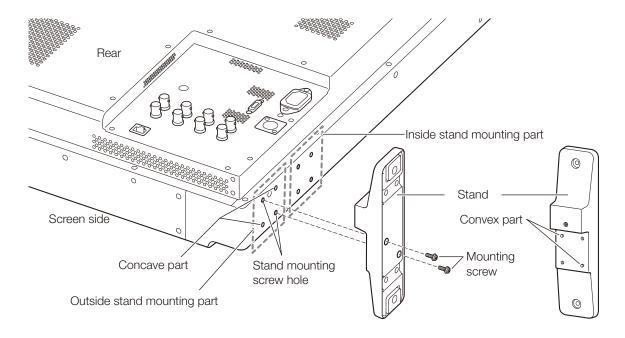
Detaching

- 1. Place the display with the screen facing down on a soft cloth or cushioning material that is larger than the display.
- 2. Remove four fixing screws.

Do not lose the removed screws. Do not use these screws for other purposes.

Attaching

- 1. Place the display with the screen facing down on a soft cloth or cushioning material that is larger than the display.
- **2.** Align the position of the stand and screw hole on the video display. Alight the convex part of the stand and concave part of the video display.
- 3. Fix the left and right stands using two fixing screws respectively.



Note

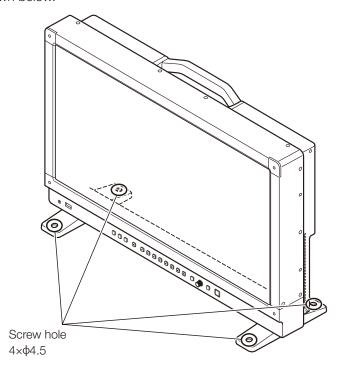
• It is recommended to mount both stands in either the outside or inside positions.

Preventing from Tipping

Fixing the video display using screw holes on the stands can reduce the risk of the main unit tipping over or falling.

1. Use screws that fit the screw holes.

The screw hole size is shown below.



CAUTION

- When securing the main unit to a table or desk, please ensure a table or desk is strong enough to carry the weight of the main unit.
- It is recommended to obtain assistance from another person when performing this step.
- Avoid touching the screen during this step as it may damage it.

Mounting the Main Unit on a Stand or Wall

This main unit can be fitted to a stand* or to a wall mount bracket*. Remove the stands beforehand (112). Screws compatible with this main unit are M4 x 7 mm (VESA Standard 100 x 100 mm).

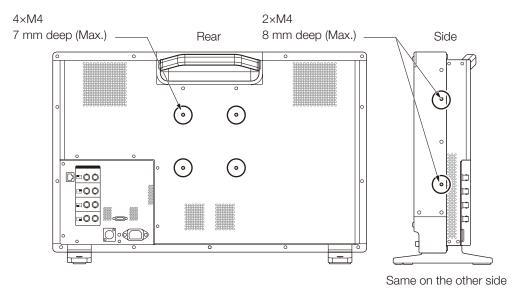
* Commercially available.

CAUTION

- For safety, make sure to perform this step with at least two people.
- When mounting the main unit on a wall, make sure the wall has sufficient strength. If necessary, apply reinforcement. Also, make sure to check the load capacity of the stand or wall mount bracket.
- When the video display is placed on a rack or display stand and ventilation around it is blocked by equipment placed above or below or in a surrounding area, the operating temperature may increase, causing a failure or overheating. In order to maintain the operating temperature condition of the video display (0 °C to 40 °C), make a space of at least 1U (4.4 cm) above and below and at least 4 cm space from its back. Make a sufficient space from peripheral equipment, secure vents, or install a ventilation fan.
- When installing the video display on a wall, make sufficient space from the wall so that cables are not squeezed or twisted.
- When mounting a commercially available stand or wall mount bracket, be sure that they do not contact the carrying handle.
- Avoid touching the screen during this step as it may damage it.
- Make sure that the main unit does not fall during installation/removal.

1. Attach a commercially available stand or wall mount bracket using four screw holes on the back or side face of the main unit (2104).

The screw hole size is shown below.



Connecting the Main Unit to Input Devices

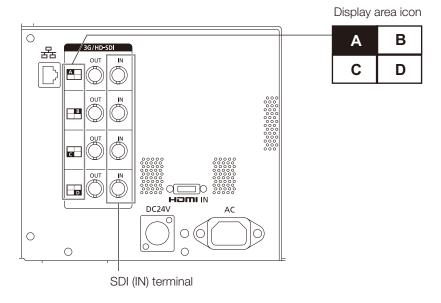
The video display has 3G/HD-SDI and HDMI input terminals to connect input devices.

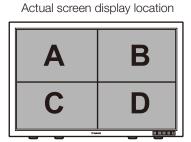
CAUTION

• Check that the power of the video display and input devices is switched off before connecting.

■ SDI input signals

Refer to the 3G/HD-SDI input terminals diagram when connecting to the desired input signal. (A, B, C, D)





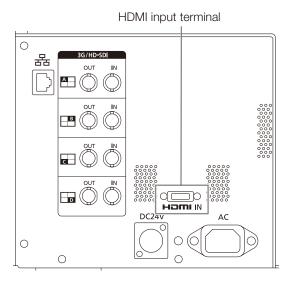
	Input signal		Input terminal		
Quad Link	3G/HD-SDI	Top left, Mapping signal	Input A		
(Square Division)		Top right, Mapping signal	Input B		
		Bottom left, Mapping signal	Input C		
		Bottom right, Mapping signal	Input D	Single input system	
Quad Link*	3G-SDI	Link 1	Input A		
(2 Sample Interleave)		Link 2	Input B		
		Link 3	Input C		
		Link 4	Input D		
Dual Link*	3G-SDI	Link 1	Input A		
		Link 2	Input B		
		Link 1	Input C	Two input systems	
		Link 2	Input D		
Single Link	3G/HD/SD-SDI	_ Input A/Input Input C/Input		Four input systems	

^{*} The signals are automatically switched when "Link Order" is set to "Automatic".

i Reference

- The connection is tested using 4VS03A-5C BNC cables (multi) manufactured by Canare Electric Co.
- When 3G-SDI RAW signal frequency exceeds 30.00P, it becomes a dual connection.
- Each input terminal is compatible with through output. When signals are input from Input A, connect the cable to the SDI (OUT) terminal of Input A.

■ HDMI input signal



CAUTION

• Use a HDMI cable with the High Speed logo that complies with the HDMI standard. When a non-compliant HDMI standard cable is used, the video display may not work normally, for example a video becomes choppy or nothing is displayed.

Turning on the Power

This section describes how to turn on the power of the main unit.

Turning on the Power of the Main Unit

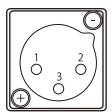
1. Plug the provided AC power cord HT-21 to the AC power supply input terminal at the rear.

The video display goes into standby and the power indicator lights up in amber.

■ When using a DC power supply

DC power supply input terminal specifications are shown below. When connected normally, the video display goes into standby and the power indicator lights up in amber.

Check the specifications of the DC power supply input terminal and use a power supply that is compatible with the video display. Using a power supply with incompatible voltage and polarity may cause fire or electric shock.



Pin No.	Signal		
1	- (GND)		
2	+ (24 V to 28 V, allowable current 10 A min.)		
3	N.C.		

2. Press the power supply button (1) at the front.

The power indicator lights green.

CAUTION

- When using the provided power plug adapter PU-01, be sure to connect the ground terminal to the ground.
- Use a 2 m or shorter DC cord that can bear an electric current of at least 10 A. When a cable longer than 2 m is used, the video display may not work normally for example a video becomes choppy and nothing is displayed.
- Do not connect cables for audio devices or sound cables to the DC power supply input terminal, as it may cause damage to the display unit.

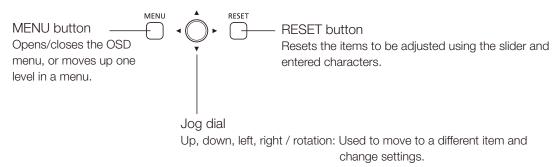
- Warming-up is necessary to stabilize the brightness of the video display. Wait at least 10 minutes after turning on the power before using.
- When an AC power supply is connected during the use of a DC power supply, the power source is switched to the AC power supply. When this happens, the power is turned off temporarily and then turned on again.
- · Refer to the Canon website for detailed information about DC power supplies for which operation has been confirmed.

Operating the Video Display

Using buttons and jog dial on the video display, you can adjust image quality and configure settings for input signals. In addition, you can assign the frequently used functions to the CH and F buttons.

Operating the jog dial

The procedures to operate the jog dial are described below.

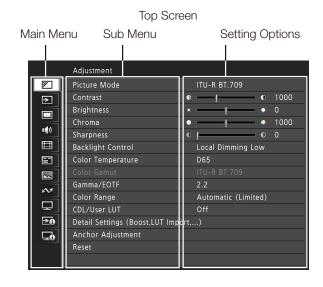


Press: Confirms settings or moves the selection frame up/down 1 level.

Basic operations to use the OSD menu

This section describes basic operations to use the OSD menu.

1. Press the MENU button to open the OSD menu.



2. Select an item using the jog dial and press it to determine the selection.

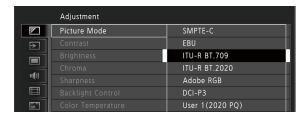
The selection frame moves to sub menu.

3. Select an item using the jog dial and press it to determine the selection.

The selection frame moves to setting options.

4. Select the setting using the jog dial.

Settings change according to the operation of the jog dial.



5. Press the jog dial to determine the selection.

The selection frame returns to sub menu.

6. Exit menu.

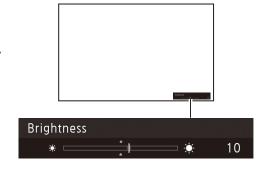
When you press the MENU button, the selection frame moves up one menu level. Move the selection frame all the way to the main menu on the top screen and then press the MENU button to exit the menu.

- The following functions can be returned to their factory default settings or their anchor point (21) by pressing the RESET button, after adjusting the image quality.
 - "Contrast", "Brightness", "Chroma", "Sharpness", "Power", "Saturation", "Offset", "Slope"
 In "User 1-7" mode where you are performing calibration, the setting returns to the value after calibration instead of the factory default.
- To adjust image quality, warming-up is necessary to stabilize the brightness of the video display. Wait at least 10 minutes after turning on the power before using.
- The OSD menu and slider will disappear automatically if no operation is performed for approximately 1 minute. The F button will disappear automatically if no operation is performed for approximately 10 seconds.
- The settings that cannot be set, are grayed out.

Adjusting Image Quality While Viewing the Entire Image

You can adjust the OSD menu to display as a slider at the bottom of the screen. This allows for the image quality to be adjusted whilst it is displayed on the screen.

- 1. Press the jog dial when the selection frame is on setting options. A slider appears at the bottom of the screen.
- 2. Make adjustments using the jog dial with using the slider as guide.
- **3.** When adjustments are completed, press the jog dial. The screen returns to the original OSD menu.

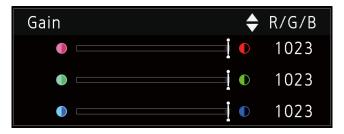


■ Adjusting "Gain R/G/B, Bias R/G/B" under "Color Temperature"

You can adjust RGB all at once or individually when the slider for adjusting "Gain R/G/B" and "Bias R/G/B" are displayed.

- 1. Switch the guide in the upper right area of the slider screen using the jog dial (▲▼). The indication changes to "RGB", "R", "G", and "B".
- 2. When adjustments are completed, press the jog dial.

The screen returns to the original OSD menu.



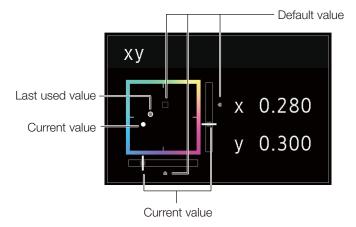
■ Adjusting "x, y" under "Color Temperature"

You can adjust "x, y" in "Color Temperature" on the color map.

The adjusted value is indicated by the "O" mark on the color map.

2. When adjustments are completed, press the jog dial.

The screen returns to the original OSD menu.

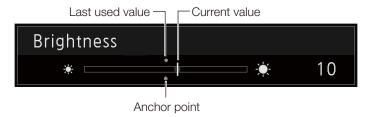


Temporarily Saving Parameters (Anchor Point Setting)

You can temporarily save parameters for "Contrast", "Brightness", "Chroma", "Sharpness", and "HDR Range" and recover the values. See \$\subseteq\$ 52 for setting anchor points during CDL adjustment.

- 1. Press the MENU button to open the OSD menu.
- 2. Select "Adjustment" using the jog dial and press the dial to determine the selection. The selection frame moves to sub menu.
- 3. Select "Anchor Adjustment" using the jog dial and press the dial to determine the selection.

 When the confirmation screen appears, select "OK". The parameter is saved and sets anchor point.
- **4.** Adjust the image quality again and press the RESET button on the video display. Press the RESET button to return to each saved anchor point.





- Executing "Reset" under "Adjustment" or "Reset All Settings" under "System Settings" resets saved anchor points and the settings return to their factory default values.
- When calibration is performed in "User 1-7" under "Picture Mode", the values are saved as anchor points.

Enlarging the display (Zoom function) (268)

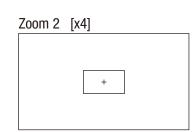
The zoom display position can be adjusted, and the zoom magnification (2x, 4x, 8x) can be selected.

- 1. Press the MENU button to open the OSD menu.
- 2. Select "Display Settings" → "Zoom" using the jog dial.
- 3. Select "Zoom Preset" using the jog dial. Select a preset zoom display.
- 4. Select "Position" using the jog dial.

The zoom adjustment screen is displayed.

- To move the display position: Move the jog dial (▲▼◀▶ or rotation).
- To return to the center: Press the RESET button.
- 5. When adjustments are completed, press the jog dial.

The screen returns to the original OSD menu.



Note

- When magnifying the image and the OSD menu is not being displayed,
 - you can set the magnification ratio by pressing the jog dial.
 - You can move the display location by moving the jog dial (T).
 - You can set the following functions using the CH button: CH1: Select zoom type; CH2: Switch between zoom presets (Zoom 1/Zoom 2/Zoom 3); CH3: Zoom off

Changing Image Quality Automatically According to Input Signal

On this video display, you can automatically change the image quality according to video resolution or metadata.

- Changing "Picture Mode" automatically (462)
- 1. Press the MENU button to open the OSD menu.
- 2. Select "Channel Settings" \rightarrow "Select Channel" using the jog dial. Select the channel.
- 3. Select the "Channel Settings" \rightarrow "Picture Mode" \rightarrow "Type" using the jog dial. Select the Type.

Changing by individual video resolution (4K/2K) Select "4K/2K".

Changing according to video resolution (4K/2K) or metadata (SDI) Select "Automatic".

- 4. Select the Picture Mode using the jog dial.
- Changing the image quality setting according to video metadata (HDMI) (□ 56)
- 1. Press the MENU button to open the OSD menu.
- 2. Select "Adjustment" → "Picture Mode" using the jog dial. Select "User 1" to "User 7".
- 3. Select the "Channel Settings" \rightarrow "Picture Mode" \rightarrow "Type" using the jog dial. Select other than "L/R".
- 4. Select "Adjustment" → "Detail Settings" → "HDMI Link" → "Automatic Adjustment" using the jog dial.
 - Select "On".
 - See "HDMI Link" (\$\omega\$56) for the configurable settings.

Note

• When automatic changing of image quality according to video resolution (4K/2K) or SDI metadata is set, information showing which resolution (4K/2K, etc.) is selected will be displayed at the top right of the menu screen.

Resolution: 4K

Adjust image quality on left/right side of screen (image comparison mode)

You can divide the screen in two and adjust the image quality on the left and right sides of the screen individually.

- 1. Press the MENU button to open the OSD menu.
- 2. Select "Channel Settings" \rightarrow "Picture Mode" \rightarrow "Type" using the jog dial.

After selecting "L/R", press the jog dial to determine the selection.

- 3. Select the screen to adjust image quality.
 - When the OSD menu is open:
 - In the "Adjustment" main menu, press the jog dial's ◀ button.
 - In the "Adjustment" main or sub menu, press the CH1 button.
 - When the OSD menu is not being displayed: Move the jog dial (◀▶).
 - Each time the target screen is switched, the set "Picture Mode" is displayed at the top.
- 4. Adjust the image quality on the selected screen.



• When in Image Comparison mode, an icon showing which screen (L/R) is selected for image quality adjustment will be displayed at the right top of the "Adjustment" menu screen.



- The functions that cannot be used when the right screen is selected are as follows.
 - Sub Menu items for "Adjustment": "Contrast", "Backlight Control", "Boost Contrast", "HDR/SDR View", "Calibration"
- · When two screens are displayed, you can adjust the image quality on each screen individually and compare them.
 - When two screens are displaying the same image ("Single Input Dual View" [2] 63)
 - When two screens are displaying different images ("Multi View (Dual)" (Dual) (Dual) (Dual) (Dual)
 - The HDR (High Dynamic Range) and SDR (Standard Dynamic Range) displays can be tested side by side. ("HDR/SDR View" 🕮 54)

Calibration without a PC (255)

When "User 1-7" under "Picture Mode" is selected, you can perform calibration using an external sensor, without using the computer.

The supported external sensors are Konika Minolta Display Color Analyzers CA-310 and CA-210. Be sure to also read the instruction manual of the CA-310 and CA-210.

The video display can perform measurement or calibration of the display using the DP-V Color Adjustment software. Refer to the Canon website for the DP-V Color Adjustment.

- 1. Connect the display color analyzer to the USB port of the main unit.
- 2. Open the OSD menu and select "Adjustment" \rightarrow "Detail Settings" \rightarrow "Calibration". Set each target value.

3. Press the jog dial and select "Start".

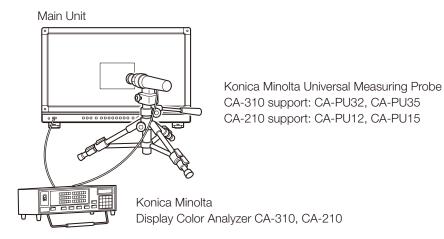
Please follow the information indicated on the screen.

4. Initialize the sensor.

Set the mode dial of the Universal Measuring Probe to "0-CAL". Press the jog dial of the video display, select "OK", and execute initialization.

5. Place the universal measuring probe pointing at the center of the video display.

Set the mode dial of the universal measuring probe to "MEAS" and place the probe as shown below according to the displayed content. Press the jog dial of the video display, select "OK", and execute calibration.



6. Finish calibration.

When the message "Calibration is completed." is displayed, press the jog dial and select "OK".

- If the message "Calibration error." is displayed.

 Calibration has been terminated due to an error. The main unit returns to the state before calibration. (

 122)
- To cancel calibration

 Press the jog dial during calibration and select "Cancel". The main unit returns to the state before calibration.

- Due to the characteristic of LCD panel and individual difference of CA-310 and CA-210, the calibration results may differ.
- Perform matrix calibration of the display color analyzer prior to calibration. If calibration is performed without performing matrix calibration, an error may occur. Refer to the CA-310 and CA-210 instruction manual for the detail operation.
- Warming-up is necessary to stabilize the brightness of the video display. Wait at least 10 minutes after turning on the power before calibration.
- Perform calibration in a dark room so that no external light enters the sensor. If external light enters the sensor, low brightness characteristics cannot be calibrated correctly.

Export/Import

You can export/import LUT and CDL parameters as well as main menu settings. Insert a USB memory stick into the USB port of the main unit.

■ LUT Import (□ 53)

- 1. Press the MENU button to open the OSD menu.
- 2. Select "Adjustment" → "Detail Settings" → "LUT Import" using the jog dial.
- 3. Select the file using the jog dial.

In the "Filename" field, search and display a file with extension ".clut" in the root folder.

4. Select the LUT type using the jog dial.

- Select the LUT type by using "User LUT", "Gamma LUT" or "Gamut LUT".
- Refer to the "Concept Drawing of Display Image Processing and LUT". Or, also refer to the "User LUT Creation Guide" on the Canon website.

5. Select "Select LUT" using the jog dial.

Selects User LUT/Gamma LUT/Gamut LUT 1-8.

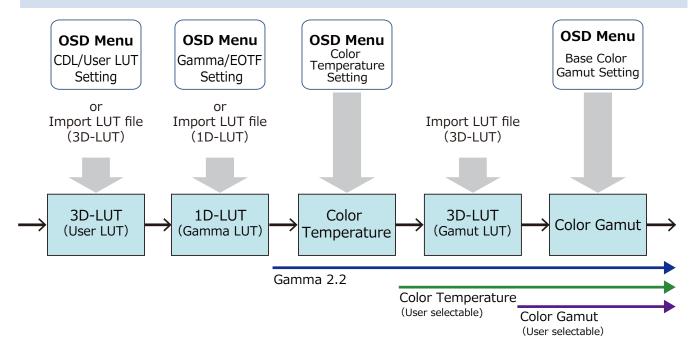
6. Select the standard color gamut using the jog dial.

Select the color gamut used when creating the LUT (when "Gamut LUT" under "LUT Type" is selected).

7. Select "Execute" using the jog dial.

When the confirmation screen appears, select "OK". Import starts.

- The LUT file is proprietary to Canon Video Display. Refer to the Canon website for the file format and how to create.
- Up to 1000 LUT import files are recognized.
- You can delete the imported LUT. You can specify the name of LUT (\$\omega\$53).



Concept Drawing of Display Image Processing and LUT

- Export/Import Main Menu Settings (□98)
- 1. Press the MENU button to open the OSD menu.
- 2. Select "System Settings" → "Export/Import".
- 3. Select "Export" or "Import" using the jog dial.

Exporting

- Select "Target" from "USB", "User 1-3" or "LAN".

Export "USB" to the USB memory and "User 1-3" to the built-in memory of the main unit. When you select "LAN", the file is exported to a display connected via LAN.

- If you selected "USB" or "User 1" to "User 3", select "Filename".
 - Factory default is "dinfo_dpv2410.dat". You can change the name of the file to be exported to the USB memory within 16 one-byte characters including alphabetical characters, numbers, and symbols.

If you selected "LAN", select "Display".

- · Select the display to which to export the settings from the displays connected via LAN.
- Select "Execute".

When the confirmation screen appears, select "OK". Export starts.

Importing

- Select "Target" from "USB" or "User 1-3". Specify the destination to save the file to be imported.

- Select "Filename".
- In "Settings", select "All" or Main Menu name.
- Select "Execute".

When the confirmation screen appears, select "OK". Import starts.

- After export to "User 1-3", you can select the configurations at startup from "User 1-3" in "Power on Setting" in "System Settings" (498).
- To export this device's settings to other Canon displays:
 - If a display model has functions with different menu settings or setting ranges, some settings will not be correctly exported (settings will not be changed, will revert to factory defaults, etc.)
 - When the export is completed, a message will appear on the target display.

- Exporting/Importing CDL Parameters (□ 52)
- 1. Press the MENU button to open the OSD menu.
- 2. Select "Adjustment" \rightarrow "CDL/User LUT" using the jog dial. Select "CDL 1-8".
- 3. Select "Detail Settings" → "CDL Export" or "CDL Import".

Exporting

- Select "CDL Preset".
- Select a file format ".ccc" or ".cdl".
- Select "Execute".

When the confirmation screen appears, select "OK". Export starts.

Importing

- Select "Filename".
- Select "CDL Preset".
- Select "Execute".

When the confirmation screen appears, select "OK". Import starts.

Note

- The exported file is automatically saved under the name "YYYYMMDDhhmmss_Preset name.ccc (cdl)".
- Up to 1000 CDL import files are recognized.

Set Date/Time (295)

This section describes how to set the Date/Time. The Date/Time of this video display will be reset if the power cord is not connected for about 20 days.

- 1. Press the MENU button to open the OSD menu.
- 2. Select "System Settings" → "Date/Time".

A screen to input the Date/Time appears.

3. Set the Date/Time using the jog dial.

The selection frame moves and numbers change as you operate the jog dial. Repeat until you complete setting the year, month, date, hour, and minute.

4. Press the jog dial when you are finished.

The selection frame moves to "OK".

5. Check the content and press the jog dial to confirm the settings.

i Reference

• When selecting "Cancel" or pressing MENU button before selecting "OK", the settings will be reset and the previous screen will be displayed.

Inputting Characters

This section describes how to input the characters.

- 1. Press the MENU button to open the OSD menu.
- 2. The character input screen appears automatically when character input is required.

Move the selection frame to the location to enter characters using the jog dial $(\blacktriangleleft \blacktriangleright)$.

3. Select characters using the jog dial (▲▼ or rotation).

The following characters can be selected: Press **T** buttons to display them one by one.

Alphanumeric characters: A to Z, a to z, 0 to 9

Symbols: , . : ; ' $\dot{}$ - + / = % & ! ? # _ | \$ ^ ~ @ { } [] < > () space

Characters that cannot be entered are automatically skipped.

- 4. Repeat steps 2 and 3 until the desired text has been inputted.
- 5. Press the jog dial when you are finished.

The selection frame moves to "OK".

6. Check the content and press the jog dial to confirm the settings.

i Reference

- When selecting "Cancel" or pressing MENU button before selecting "OK", the settings will be reset and the previous screen will be displayed.
- To erase characters in the selection frame or reset it, press the RESET button on the video display.

Using the Function (F) Buttons

You can assign functions to the F buttons on the video display to execute them instantly.

- 1. Press the MENU button to open the OSD menu.
- 2. Select "System Settings" → "Function/Channel Button" → "Display Function" or "Display Function (CDL)" and press the jog dial to determine the selection.

A new window opens and displays button names F1 to F8.

3. Select the name of the button using the jog dial and press the jog dial to determine the selection.

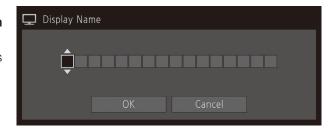
The selection frame moves to next OSD menu level.

4. Select the function to assign using the jog dial.

See "Display Function" or "Display Function (CDL)" (495, 99) for the available functions.

5. Press the jog dial to determine the selection.

The setting is confirmed.



i Reference

- Holding the F button down will display the function selection screen, and you can set the function you wish to register.
- Turning "System Settings" → "OSD Settings" → "Function Button Guide" to "On" will mean that when OSD is not displayed, pressing/moving (▲▼◀ ▶, or rotate) the jog dial will allow you to see the list of functions registered to the F button. Selecting a function from the list and pressing/moving (▶) the jog dial will display the detailed settings screen, or execute that function.

Using the Channel (CH) Button

You can assign channels (various settings related to input signal) to the CH buttons on the video display and switch channels instantly.

- 1. Press the MENU button to open the OSD menu.
- 2. Select "System Settings" \rightarrow "Function/Channel Button" \rightarrow "Display Channel" and press the jog dial to determine the selection.

A new window opens and displays button names CH1 to CH3.

3. Select the name of the button using the jog dial and press the jog dial to determine the selection. The selection frame moves to next OSD menu level.

4. Select the channel to assign using the jog dial.

See "Channel Settings" (60) for the configurable settings.

5. Press the jog dial to determine the selection.

The setting is confirmed.

The following content is assigned to channel buttons on the video display by factory default.

	CH	4	CH1	CH2	CH3
Input Configuration		3G/HD-SDI	HDMI	3G-SDI RAW	
Select Input Signal		al	Automatic	Automatic	Automatic
lm	age Division		Automatic	Automatic	Automatic
Lir	nk Order		Automatic	Automatic	Automatic
Fo	rmat		Automatic	Automatic	Automatic
Au	ıdio Input		Automatic	Automatic	Automatic
Ma	arker/TC/Came	eralnfo Input	Input A	Input A	Input A
Int	ernal Sync		Off	Off	Off
Cr	nannel Name		(Blank)	(Blank)	(Blank)
Pic	cture Mode → 7	Гуре	Normal	Normal	Normal
	Picture Mode Picture Mode L Resolution 4K		ITU-R BT.709	ITU-R BT.709	CINEMA EOS SYSTEM
	Picture Mode R Resolution 2K		ITU-R BT.709		
	Payload	UHD/PQ	User 1 (2020 PQ)		
		UHD/HLG	User 2 (2020 HLG)		
	UHD 709/PQ		ITU-R BT.2020		
			-		
		709/HLG		-	
	709		ITU-R BT.709		
		VANC		_	
		Unknown		_	

CH		CH1	CH2	CH3	
	Camera CINEMA EOS SYSTEM		CINEMA EOS SYSTEM		
		ARRI	User 6		
		VARICAM		User 7	
Single Input Dual View		Off	Off	Off	
Se	Separator Off Off		Off		

Note

• Holding the CH button down displays the channel list, allowing the user to select the desired channel.

Checking Signal Information and Status of the Main Unit

The video display is equipped with a banner function which displays signal information or the status of the main unit.

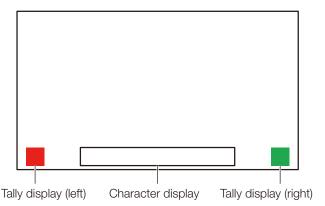
1. Press the jog dial when the OSD menu is closed.

The channel name, signal information, and status of the main unit will be displayed in the banner. It will automatically disappear after 6 seconds.

- You can select how the banner is displayed ("Banner" 196).
- You can monitor the input signal status. ("Signal Monitoring" 44)
- For more detailed signal information, please refer to the section on "Signal Information" (101).
- The "Detecting sync." banner will continue to appear until the input signal is synchronized.

Operating the video display using an external device [LAN terminal]

The video display supports Television Systems Ltd.'s "TSL UMD Protocol Ver. 5.0". You can operate the video display using an external device connected to the LAN terminal and display characters and tally lights on the screen. There are two tally lights, on the left and right. Up to 16 characters can be displayed.



- 1. Connect an external control device to the LAN terminal.
- 2. Set "SCREEN" and "INDEX" to "0x0000" in the TSL Protocol settings.
- 3. Press the MENU button to open the OSD menu.
- 4. Select "Network/IMD Settings" → "In Monitor Display" and press the jog dial to determine the selection.
- 5. Select "Control" → "TSL Ver. 5.00" using the jog dial.
 - This will allow operation from an external control device, and display characters and tally lights.
- 6. Select "Position" → "Top" or "Bottom" using the jog dial.
 - This sets the position where characters and tally lights will be displayed.

- When "Multi View (Dual)" or "Multi View (Quad)" is displayed, set the "INDEX" setting to from "0x0001" to "0x0004".
- The port number for the controlling is fixed at "45000".
- With "In Monitor Display" you can also display user-selected characters on the screen. (294)

Operating the video display using an external device [USB terminal: Wi-Fi connection]

A Wi-Fi adapter can be connected to the USB terminal of the video display so that the video display can be connected to a portable terminal in the Wi-Fi network environment in use. The following two methods can be used to connect: Infrastructure: This method connects to Wi-Fi via an access point.

Access Point: This device acts as an access point, and this method connects the device directly to the Wi-Fi device.

- Network settings such as IP address and subnet mask are acquired automatically.
- Supported encryption schemes
 Infrastructure: WEP64 (ASCII), WEP128 (ASCII), WPA-TKIP, WPA-AES (CCMP), WPA2-TKIP, WPA2-AES (CCMP)
 Access Point: WPA2-AES (CCMP)

CAUTION

- Note that we cannot accept any liability for damages that arise as a result of incorrect settings made on the network to use network functions and for damage that arise as a result of use of this function.
- Avoid connecting to Wi-Fi or network environments that are not protected by appropriate security measures. Remember to
 change the default password when setting the access point. Doing so may cause the customers' personal information or
 other important information to leak to a third party. When not using Wi-Fi, set "Wi-Fi" > "Control" to "Off".
- The specifications and restrictions of Wi-Fi connection methods differ depending on the Wi-Fi network in use.
- There is no guarantee that the Wi-Fi adapter functions in use will work on the video display. For information about Wi-Fi adapter related defects, contact the device manufacturer. Also, in various countries and regions, approval is needed to use the Wi-Fi adapter, and use of non-approved Wi-Fi adapters is not permitted. If you are unclear of whether or not use is approved, check with the device manufacturer.

Note

- Refer to the Canon website for a list of supported devices (Wi-Fi adapters).
- For details on how to use the Wi-Fi adapter, precautions for use, how to set access points, and other information, either refer to the device Instruction Manual or contact the manufacturer.
- Up to 24 access points can be displayed and selected on the video display.
- 1. Connect the Wi-Fi adapter to the USB terminal.
- 2. Press the MENU button to open the OSD menu.
- 3. Select "Network/IMD Settings" → "Wi-Fi", and press the jog dial to determine the selection.

When using the "Infrastructure" method

- 4. Select "Control" → "Infrastructure" using the jog dial.
- 5. Set the access point to connect to.
- 6. If a password is needed when connected to an access point, enter the password (493).
 - This is set using up to 24 alpha-numerical characters and symbols. The following characters can be entered.
 Alphanumeric characters: A to Z, a to z, 0 to 9
 Symbols: _ or -

When using the "Access Point" method

- 4. Select "Control" → "Off" using the jog dial.
- 5. Select "Access Point" using the jog dial (493).
 - Enter the SSID. This is set using up to 24 alpha-numerical characters and symbols.
 - Sets the communication mode.
 - Sets the channel.
 - Enter the password. This is set using between 8 and 24 alpha-numerical characters and symbols.
 - "SSID", "Password": The following characters can be entered.

Alphanumeric characters: A to Z, a to z, 0 to 9 Symbols: $_$ or -

6. Select "Control" \rightarrow "Access Point" using the jog dial.

Use a web browser to remotely operate the video display

A web browser can be used to remotely operate the video display using a computer terminal connected to the LAN terminal or a portable terminal ([2]33) connected via a Wi-Fi adapter to the USB terminal. From the device connected to the network, you can change image quality settings or switch channels.

This function checks operation using the following web browsers.

- Safari (Apple)
- Google Chrome (Google)
 - * Correct operation cannot be guaranteed on all supported OS or web browser editions.

CAUTION

• Remember to change the initial settings for ID and Password when using this function.

Note

- Access is only possible from a single terminal.
- This function may not work if the video display is accessed using LAN and a Wi-Fi adapter, at the same time.
- Opening multiple pages in multiple tabs on the web browser can cause it to not function properly.
- Executing "Capture" in the "View" screen can cause the video on this video display to pause temporarily.
- Operating the video display itself while it is being accessed from a web browser can cause the network connection to be lost
- A delay may occur in video display or in the various settings depending on the network environment and communication conditions.
- The IP address can be checked in the "System Information" screen.
- The operation screen only displays English.
- Connect external control devices via the network.
- 2. Press the MENU button to open the OSD menu.
- 3. Select "Network/IMD Settings" → "Web", and press the jog dial to determine the selection.
- 4. Select "Control" → "On" using the jog dial.
- 5. Select "User ID" and "Password" using the jog dial (493).
 - User ID: Enter the user ID. This is set using up to 16 alpha-numerical characters and symbols.

Password: Enter the password. This is set using between 8 and 16 alpha-numerical characters and symbols. The following characters can be entered.

Alphanumeric characters: A to Z, a to z, 0 to 9

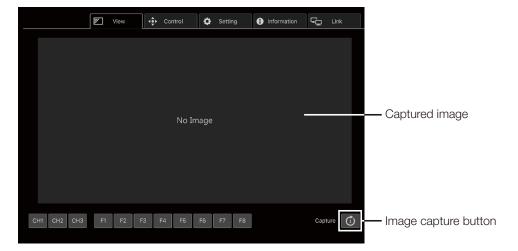
Symbols: _ or -

- 6. Start up a web browser on the device connected to a network.
- 7. Enter the IP address of this video display in the address bar.
 - The remote operation screen is displayed on the web browser.
 - When the basic authentication screen is displayed, enter the user ID and password.
- 8. When operation ends, close the web browser.

Operation screen

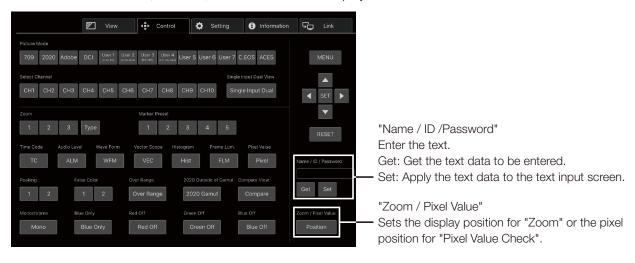
"View" screen

After pressing the image capture button, the captured image will be displayed. You can also operate the CH buttons and F buttons (function/channel buttons).



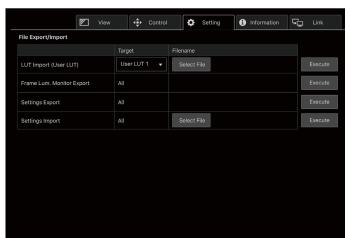
"Control" screen

Allows the Picture Mode, Channel, and various marker displays to be set.



"Setting" screen

You can import LUT, export "Frame Luminance Monitor", and import or export this video display's settings.



"LUT Import (User LUT)"

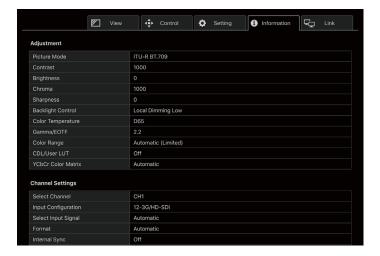
Imports a LUT. When the LUT import is completed, the setting of the imported LUT will be applied to the current "Picture Mode"'s "CDL/User LUT".

"Frame Lum. Monitor Export"

Exports "Frame Luminance Monitor". Exporting "Frame Luminance Monitor" will create a "latest.csv" file for the luminance in the final screen and an "all.tar.gz" file (a file compressed using the tar.gz method) that contains all acquired luminance information.

"Information" screen

Displays the settings for "Adjustment" and "Channel Settings", and information for "Signal Information" and "System Information".



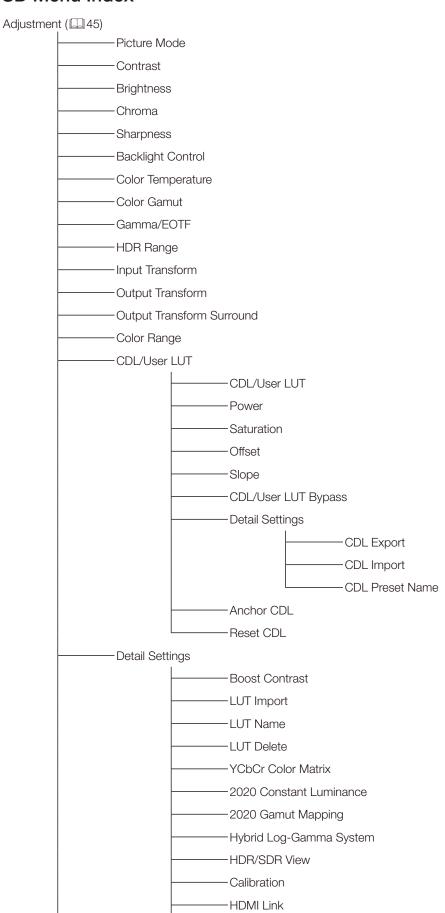
"Link" screen

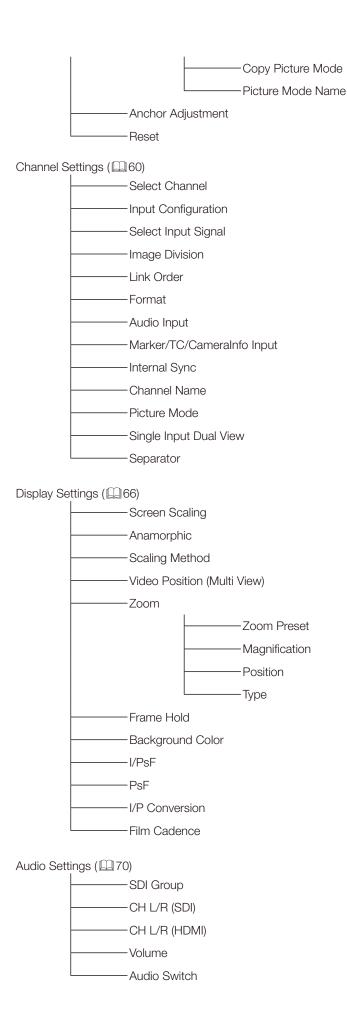
You can display a list of the display connected via LAN to this video display, set "Display Setting Link", and change the display names.

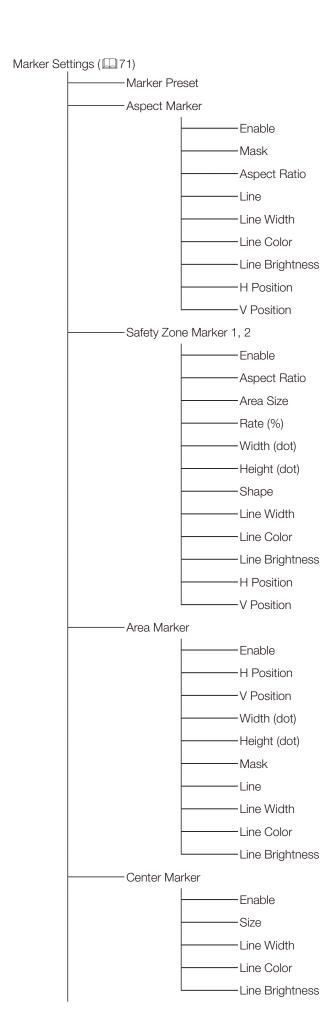


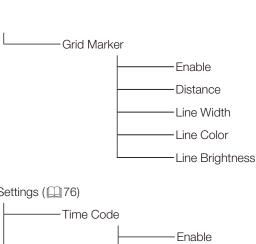
OSD Menu

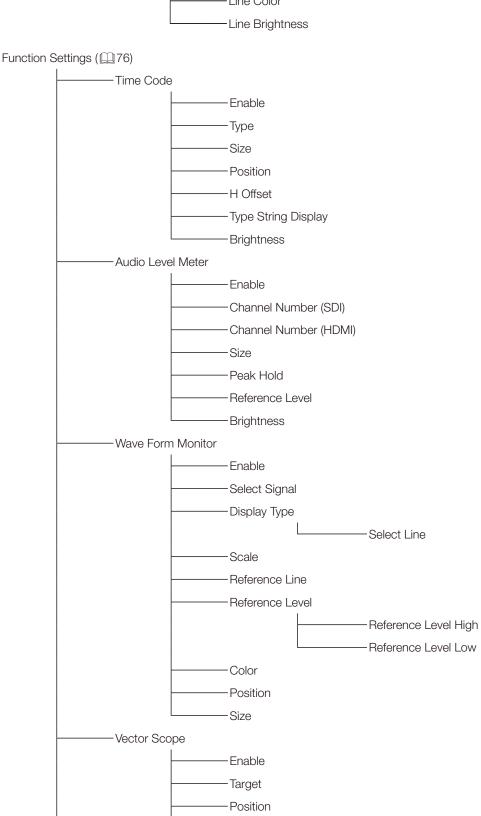
OSD Menu Index



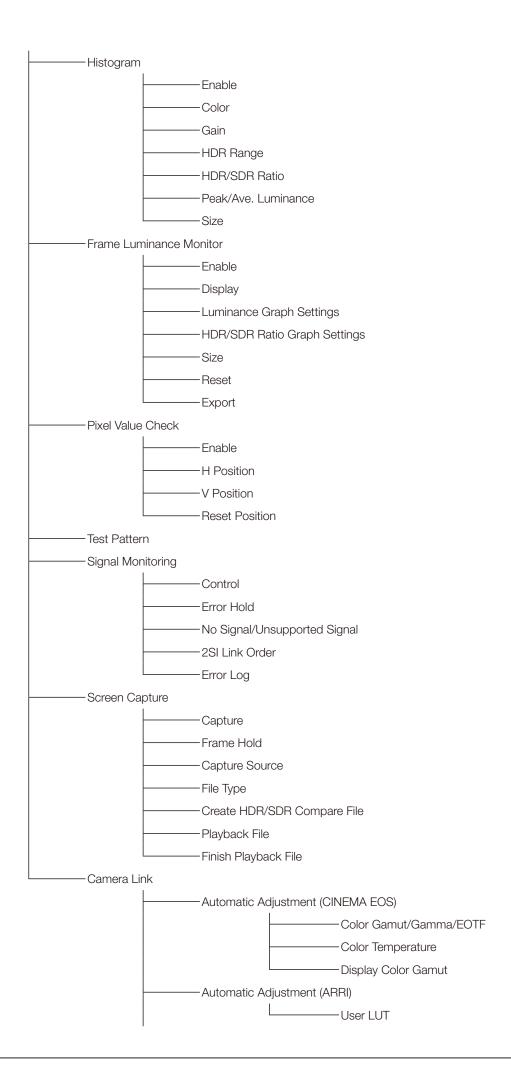


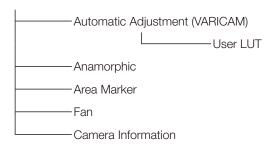




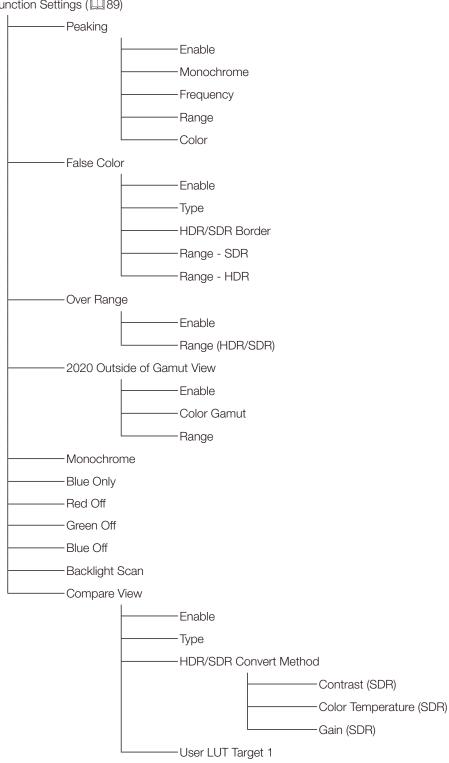


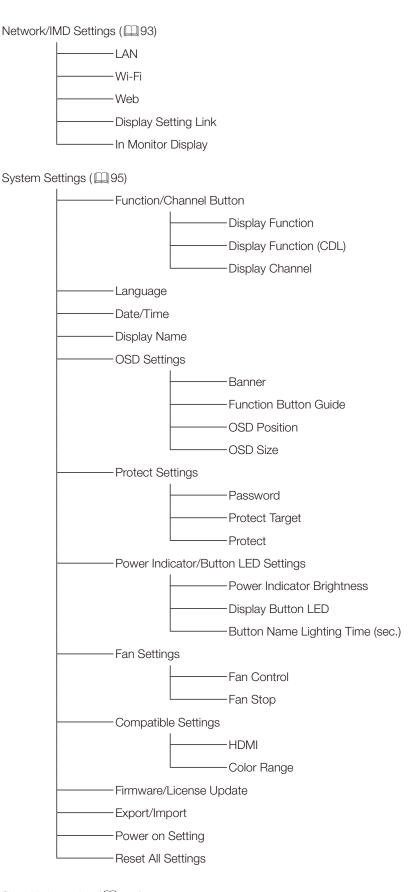
Size





Picture Function Settings (489)





Signal Information (101)

System Information (101)

Adjustment

This menu is used to adjust the image quality and perform calibration without a PC. The factory defaults differ according to the "Picture Mode" setting. ($\square 57$)

Item	Setting Options (underline indicates factory default)		
Picture Mode	Select a preset mode. SMPTE-C, EBU, ITU-R BT.709, ITU-R BT.2020, Adobe RGB, DCI-P3: Mode set to the brightness, color temperature, gamma/EOTF, and color gamut of the three primary colors chromaticity points of each standard. User 1-7 (User 1 (2020 PQ), User 2 (2020 HLG), User 3 (DCI PQ), User 4 (DCI PQ D65), User 5 ~ User 7): Custom modes. Set each item of "Adjustment". You can change the mode name within 24 one-byte characters including alphabetical characters, numbers, and symbols (\$\subseteq\$ 56). CINEMA EOS SYSTEM: Canon Log is ideal when viewing image captured with Cinema EOS camera/video camera. Using Camera Link, you can have the image quality setting change automatically ("Automatic Adjustment (CINEMA EOS)" \$\subseteq\$ 85). ACESproxy (ver. 1.0.1): A mode to display ACESproxy videos in optimum gamma/EOTF and color gamut. Note		
	 "ACESproxy (ver. 1.0.1)" cannot be set when "Channel Settings" → "Picture Mode" → "Type" are "L/R", "4K/2K" or "Automatic". 		
Contrast	Adjusts the white level of the image. (Increments of 1) 0 to 1500 ❖ When "Boost Contrast" in "Detail Settings" is set to "On", the settable range is shown below. When "Boost Contrast" is "On", "Contrast [BOOST]" is displayed. 1500 to 4000		
	 Note When "Channel Settings" → "Picture Mode" → "Type" is "L/R", "Contrast" cannot be adjusted at the "Picture Mode" setting for the right screen. The right screen's setting will be the same as set for the left screen. 		
Brightness	Adjusts the black level of the image. (Increments of 1) -500 to 500		
Chroma	Adjusts the color saturation of the image (color depth). (Increments of 1) 0 to 2000 Note Can only be adjusted when "CDL/User LUT" is "CDL 1-8" or "Off".		
Sharpness	Adjusts the sharpness of the image. (Increments of 1) 0 to 100		

Item	Setting Options (underline indicates factory default)
Backlight Control	Switches the backlight control method. Local Dimming (Auto, High, Low): Local dimming technology controls the amount of light emitted by the backlight for each display area. The backlight of bright area is increased and the dark area is decreased according to the displayed content. When "Auto" is set, the amount of light is automatically controlled according to the contrast value. Increasing the contrast value makes the backlight darker in dark portions of the image as compared to "High"/"Low". Global Dimming: Global dimming is the ability to control the amount of light emitted by the backlight on the entire screen. If the image is dark, the whole display is darkened. Off: No backlight dimming is applied.
	 Note When "Global Dimming" is selected, the contrast may change temporarily in order to maintain gradation depending on the image. If this is undesirable, turn it "Off" and see if it improves. When "Boost Contrast" is set to "On", "Backlight Control" turns to "Off". When "Channel Settings" → "Picture Mode" → "Type" is "L/R", "Backlight Control" cannot be set at the "Picture Mode" setting for the right screen. The right screen's setting will be the same as set for the left screen.
Color Temperature	Sets the color temperature. D93, D65, D61, D60, D56, D50, DCI-P3: Select from preset color temperatures. D65 Custom: This preset is for adjusting the color of the video display and displays having different display characteristics. The gain and bias are adjusted based on D65. Gain R/G/B, Bias R/G/B: Can be adjusted in increments of 1 when a preset color temperature is selected. Gain R/G/B: 0 to 1023 Bias R/G/B: -500 to 500 Custom (xy): You can adjust CIE x, y in increments of 0.001. x: 0.260 to 0.360 y: 0.260 to 0.360 Off: Color temperature is not set.
	 Note "Custom (xy)" and "Gain R/G/B" or "Bias R/G/B" cannot be selected at the same time. When "Gain R/G/B" or "Bias R/G/B" value is adjusted, an asterisk "*" is displayed by color temperature preset mode. The displayed color coordinates (x, y) are just a guide and not guaranteed absolute values.

Item	Setting Options (underline indicates factory default)
Color Gamut	Color gamut can be selected when "User 1-7" or "CINEMA EOS SYSTEM" is selected for "Picture
	Mode". SMPTE-C, EBU, ITU-R BT.709, ITU-R BT.2020, Adobe RGB, DCI-P3: Color gamut compliant to each standard. Native: Color gamut that can be displayed by this video display. Cinema Gamut to 709, Cinema Gamut to 2020, Cinema Gamut to DCI, DCI-P3+ to 709, DCI-P3+ to DCI: Modes where the color gamut is converted to monitor Cinema Gamut and DCI-P3+ videos recorded by the CINEMA EOS SYSTEM cameras. S-Gamut3 to 709, S-Gamut3 to 2020, S-Gamut3 to DCI, S-Gamut3.Cine to 709, S-Gamut3.Cine to 2020, S-Gamut3.Cine to DCI: Preset modes where the color gamut is converted. Gamut LUT 1 to Gamut LUT 8: Selects an external LUT.
	 "Color Gamut" cannot be set in the following cases. When "CDL/User LUT" → "ARRI (Rec2100-PQ-1K-100)", "ARRI (Rec2100-HLG-1K-200)", "VARICAM (V-Log to V-709)", "2020 PQ to 2020 SDR", "2020 PQ to 709 SDR", "2020 HLG to 709 HLG" or "2020 HLG to 709 SDR" is selected.
	• For checking the video captured with Cinema EOS cameras, please refer to the "Parameter of Cinema EOS cameras and DP-V2410 (\$\square\$85)" in "Adjustment".
Gamma/EOTF	Sets the Gamma/EOTF. 1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, Canon Log, Canon Log 2, Canon Log 3, S-Log2 (HDR), S-Log3 (HDR): Select the preset gamma. SMPTE ST 2084 (PQ), Hybrid Log-Gamma, Hybrid Log-Gamma RGB, Canon Log (HDR), Canon Log 2 (HDR), Canon Log 3 (HDR): Select the gamma/EOTF for HDR display. Gamma LUT 1 to Gamma LUT 8: Selects an external LUT. Off: Gamma is not set.
	Note
	About "Hybrid Log-Gamma"
	- This video display supports the following two methods. "Hybrid Log-Gamma": This method processes the system gamma for the Y signal (Compliant with ITU-R BT.2100). "Hybrid Log-Gamma RGB": This method processes the system gamma for the RGB signal.
	If using "Hybrid Log-Gamma" then the system gamma value will be displayed in the "Setting Options" on the menu screen.
	Not settable in the following cases:
	- When "ACESproxy (ver. 1.0.1)" is selected in "Picture Mode"
	 When "CDL/User LUT" → "ARRI (Rec2100-PQ-1K-100)", "ARRI (Rec2100-HLG-1K-200)", "VARICAM (V-Log to V-709)", "2020 PQ to 2020 SDR", "2020 PQ to 709 SDR", "2020 HLG to 709 SDR" is selected.
	• For checking the captured video with Cinema EOS cameras and ARRI / Panasonic cinema cameras, please refer to "Camera Link" → "Automatic Adjustment" (☐85).

The relationship between "Color Gamut" and "Gamma/EOTF" that can be selected is shown below. When "Color Gamut" is changed, "Gamma/EOTF" is changed to the underlined value (default value) when the current "Gamma/EOTF" settings are not selectable.

Picture Mode	Color Gamut	Selectable Gamma/EOTF	
SMPTE-C	Cannot be selected	Off, 1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), Canon Log,	
		Canon Log (HDR), Gamma LUT 1 to Gamma LUT 8	
EBU		Off, 1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), Canon Log,	
		Canon Log (HDR), Gamma LUT 1 to Gamma LUT 8	
ITU-R BT.709,		Off, 1.0, <u>2.2</u> , 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ),	
ITU-R BT.2020		Hybrid Log-Gamma, Hybrid Log-Gamma RGB, Canon Log, Canon Log (HDR),	
		Canon Log 2, Canon Log 2 (HDR), Canon Log 3, Canon Log 3 (HDR),	
		S-Log2 (HDR), S-Log3 (HDR), Gamma LUT 1 to Gamma LUT 8	
Adobe RGB		Off, 1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, Gamma LUT 1 to Gamma LUT 8	
DCI-P3		Off, 1.0, 2.2, 2.35, 2.4, <u>2.6</u> , ITU-R BT.1886, SMPTE ST 2084 (PQ), Canon Log,	
		Canon Log (HDR), Canon Log 2, Canon Log 2 (HDR), Canon Log 3,	
		Canon Log 3 (HDR), S-Log2 (HDR), S-Log3 (HDR), Gamma LUT 1 to Gamma LUT 8	
CINEMA EOS	SMPTE-C	Off, 1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), Canon Log,	
SYSTEM,		Canon Log (HDR), Gamma LUT 1 to Gamma LUT 8	
User 1-7	EBU	Off, 1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), Canon Log,	
		Canon Log (HDR), Gamma LUT 1 to Gamma LUT 8	
	ITU-R BT.709,	Off, 1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), Hybrid Log-	
	ITU-R BT.2020	Gamma, Hybrid Log-Gamma RGB, Canon Log, Canon Log (HDR), Canon Log 2,	
		Canon Log 2 (HDR), Canon Log 3, Canon Log 3 (HDR), S-Log2 (HDR), S-Log3 (HDR)	
		Gamma LUT 1 to Gamma LUT 8	
	Adobe RGB	Off, 1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, Gamma LUT 1 to Gamma LUT 8	
	DCI-P3	Off, 1.0, 2.2, 2.35, 2.4, <u>2.6</u> , ITU-R BT.1886, SMPTE ST 2084 (PQ), Canon Log,	
		Canon Log (HDR), Canon Log 2, Canon Log 2 (HDR), Canon Log 3, Canon Log 3	
		(HDR), S-Log2 (HDR), S-Log3 (HDR), Gamma LUT 1 to Gamma LUT 8	
	Native	Off, 1.0, <u>2.2</u> , 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), Gamma LUT 1 to	
		Gamma LUT 8	
	Cinema Gamut to 709,	2.2, Canon Log, Canon Log (HDR), Canon Log 2, Canon Log 2 (HDR), Canon Log 3	
	Cinema Gamut to 2020	Canon Log 3 (HDR)	
	Cinema Gamut to DCI	Canon Log, Canon Log (HDR), Canon Log 2, Canon Log 2 (HDR), Canon Log 3,	
		Canon Log 3 (HDR)	
	DCI-P3+ to 709,	Canon Log, <u>Canon Log</u> (HDR)	
	DCI-P3+ to DCI		
	S-Gamut3 to 709	Off, 1.0, <u>2.2</u> , 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ),	
	S-Gamut3 to 2020	Hybrid Log-Gamma, Hybrid Log-Gamma RGB, S-Log2 (HDR), S-Log3 (HDR),	
	S-Gamut3.Cine to 709	Gamma LUT 1 to Gamma LUT 8	
	S-Gamut3.Cine to 2020	O# 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0	
	S-Gamut3 to DCI S-Gamut3.Cine to DCI	Off, 1.0, 2.2, 2.35, 2.4, <u>2.6</u> , ITU-R BT.1886, SMPTE ST 2084 (PQ), S-Log2 (HDR),	
		S-Log3 (HDR), Gamma LUT 1 to Gamma LUT 8	
	Gamut LUT 1 to Gamut LUT 8	Off, 1.0, <u>2.2</u> , 2.35, 2.4, 2.6, ITU-R BT.1886, Gamma LUT 1 to Gamma LUT 8	
	LUIO		

Item	Setting Options (underline indicates factory default)				
HDR Range	Sets the display method when Gamma/EOTF for HDR display is selected. SMPTE ST 2084 (PQ): Sets the "SMPTE ST 2084 (PQ)" dynamic range to be displayed, from 0.005 to 10,000 cd/m² (nits). (100 to 4000: 100 increments. 4000 to 10000: 1000 increments) 100 to 10000 (1000)				
	Hybrid Log-Gamma,				
	Hybrid Log-Gamma RGB : Sets how far to display the "Hybrid Log-Gamma" dynamic range. (in increments of 100)				
	The upper limit value will change to match the settings of "Hybrid Log-Gamma System". (4454)				
	Hybrid Log-Gamma: 100 to 1000				
	Hybrid Log-Gamma RGB: 100 to 1000/2000 Canon Log (HDR): Sets the "Canon Log" dynamic range to be displayed, from 0 to 800%. (in 100				
	increments)				
	100 to 800				
	Canon Log 2 (HDR): Sets the "Canon Log 2" dynamic range to be displayed, from 0 to 1600%. (in 100 increments) 100 to 1600				
	Canon Log 3 (HDR): Sets the "Canon Log 3" dynamic range to be displayed, from 0 to 1600%. (in				
	100 increments)				
	100 to 1600				
	S-Log2 (HDR), S-Log3 (HDR): Sets how far to display the "S-Log" dynamic range. (in 100 increments)				
	S-Log2 (HDR): 100 to 1400 (1000)				
	S-Log3 (HDR): 100 to 3900 (1000) Gamma LLIT 1 to Gamma LLIT 9: Sate how for to display the 10 bit LLIT data dynamic range from				
	Gamma LUT 1 to Gamma LUT 8 : Sets how far to display the 10-bit LUT data dynamic range, from 0 to 1023. (in 1 increments)				
	512 to 1023				
	❖ Setting procedures The procedures below use Canon Log (HDR) as an example. When the maximum value (800%) is specified, the 800% dynamic range of Canon Log is assigned to the dynamic range of the video display. Although the brightness in appearance lowers, you can check the dynamic range included in video signals. When 400% is specified, part exceeding 400% is clipped (gradation is saturated) and part up to 400% is assigned to the dynamic range of the video display. The brightness of the video display corresponds to the value set for Contrast.				
	Canon Log 800% signal				
	(Contrast: 4000)				
	Canon Log (HDR): Set to 800 Canon Log (HDR): Set to 400				
	Canon Log DP-V2410 Canon Log DP-V2410 range range range				
	Gradation is reproduced by assigning the range to the range of the DP-V2410 (which lowers the brightness). - 400% Clip (Saturates gradation.) - 400% Power of the DP-V2410 of the corresponding to the contrast setting				

Item	Setting Options (underline indicates factory default)		
Input Transform	Sets whether or not to apply ACES Input Transform to "3G-SDI RAW" signals (\$\subseteq\$60) when "ACESproxy (ver. 1.0.1)" is selected for "Picture Mode". Automatic : Applied automatically. Off : Not applied.		
Output Transform	This is displayed instead of "Gamma/EOTF" and "Color Gamut" when "ACESproxy (ver. 1.0.1)" is selected for "Picture Mode". ITU-R BT.709, ITU-R BT.2020, DCI-P3: ACESproxy is converted into respective mode.		
Output Transform Surround This is displayed instead of "Gamma/EOTF" and "Color Gamut" when "ACESproxy (ver. 1. selected for "Picture Mode". Dim Surround: Enables Dim Surround process specified by ACESproxy. Dark Surround: Enables Dark Surround process specified by ACESproxy.			

Item	Setting Options (underline indicates factory default)				
Color Range	Sets the quantization range. Automatic : Sets the range based on signal information automatically.				
	When "Color Range" is set to "Normal" (97) Full, SDI Full (4-1019), Limited				
	_	set to "Compatible" (97 (4-1019), Limited 1 (64-9		1023)	
		, , ,	,	•	
	_	when "ACESproxy (ver. 1.0		Picture Mode".	
	Operations when "A	Automatic" is selected are o	described below.		
				are included in the camera n SDI is selected, it will be	
	- When HDMI is se	lected, "Full" or "Limited" (according to the HDMI sig		mited 1 (64-940)") is	
	- When SDI is selected Color Gamut, and		red according to the	settings for Picture Mode,	
			Color F	Range to be Set	
		Catting Ontings	"System Settings"	→ "Compatible Settings" →	
		Setting Options	"Color Range"		
			When "Normal"	When "Compatible"	
	Picture Mode	DCI-P3			
		DCI-P3			
	Color Gamut	Cinema Gamut to DCI			
		DCI-P3+ to DCI			
		Canon Log (HDR)	Full	Full (0-1023)	
		Canon Log 2 (HDR)			
		Canon Log 3 (HDR)			
	Gamma/EOTF	S-Log2 (HDR)			
	Gairina/LOTI	S-Log3 (HDR)			
		Canon Log			
		Canon Log 2	- Limited	Limited 2 (64-1023)	
		Canon Log 3			
	Other than the al	bove		Limited 1 (64-940)	
	Operations when "F	Format" is set to "ICtCp" ar	re described below.		
	 Operations when "Format" is set to "ICtCp" are described below. When "Color Range" is set to other than "Full", "Wave Form Monitor" will display only a 			nitor" will display only a	
	signal set with "Color Range".			viiii siopisij oriij a	
	_	=	Type" is "L/R", the ric	ght screen's "Color Range"	
	 If "Channel Settings" → "Picture Mode" → "Type" is "L/R", the right screen's "Color Range" setting for the following will be the same as set for the left screen: 			=	
	- When displaying a single terminal's input in full-screen				
	- When displaying "2 Sample Interleave" or "Dual Link 3G-SDI" signals				

Item	Setting Options (underline indicates factory default)		
CDL/User LUT	Configures settings for CDL or User LUT.		
	CDL/User LUT: Select a preset such as CDL or external LUT.		
	CDL 1 to CDL 8, User LUT 1 ~ User LUT 8, Off		
	Only when "Picture Mode" is set to "User 1-7"		
	ARRI (Rec2100-PQ-1K-100), ARRI (Rec2100-HLG-1K-200),		
	VARICAM (V-Log to V-709), 2020 PQ to 2020 SDR, 2020 PQ to 709 SDR,		
	2020 HLG to 709 HLG, 2020 HLG to 709 SDR		
	Power: Adjusts the Gamma of the image. (0.01 increments) 0.50 to 4.00 (1.00)		
	Saturation: Adjusts the color saturation of the image. (0.001 increments)		
	0.000 to 2.000 (<u>1.000</u>)		
	Offset: Adjusts the black level of the image. (0.001 increments)		
	-1.000 to 1.000 (<u>0.000</u>)		
	Slope: Adjusts the white level of the image. (0.001 increments)		
	0.000 to 2.000 (<u>1.000</u>)		
	CDL/User LUT Bypass:		
	When "CDL" is selected: When set to "On", you can temporarily disable the CDL adjustment		
	result and return to previously set image quality.		
	When "User LUT" is selected: When set to "On", you can return to the image quality before		
	user LUT was applied.		
	On, <u>Off</u> Detail Settings		
	CDL Export: Exports CDL parameters. CDL Preset (CDL 1 to CDL 8, All), File Type (CCC, CDL), Execute		
	CDL Import: Imports CDL parameters.		
	Filename, CDL Preset (CDL 1 to CDL 8), Execute		
	CDL Preset Name: You can specify the name of preset mode within 16 one-byte characters		
	including alphabetical characters, numbers, and symbols.		
	Anchor CDL: You can temporarily save parameters for "Power", "Saturation", "Offset", and "Slope"		
	and recover the values. (anchor point setting)		
	Reset CDL: Resets CDL parameters.		
	When a setting other than "CDL 1-8" is selected, the following functions cannot be set.		
	- "Power", "Saturation", "Offset", "Slope", "Detail Settings", "Anchor CDL", "Reset CDL".		
	 When "ARRI (Rec2100-PQ-1K-100)" is selected, "HDR Range" → "SMPTE ST 2084 (PQ)" settings become "1000". 		
	 When "ARRI (Rec2100-HLG-1K-200)" is selected, "HDR Range" → "Hybrid Log-Gamma" settings become "1000". 		

Item	Item Setting Options (underline indicates factory default)			
CDL/User LUT	Depending on the "User LUT" settings, "Color Gamut" and "Gamma/EOTF" will be the same as set below.			
	User LUT	Color Gamut	Gamma/EOTF	
	ARRI (Rec2100-PQ-1K-100)	ITU-R BT.2020	SMPTE ST 2084 (PQ)	
	ARRI (Rec2100-HLG-1K-200)	ITU-R BT.2020	Hybrid Log-Gamma	
	VARICAM (V-Log to V-709)	ITU-R BT.709	2.2	
	2020 PQ to 2020 SDR	ITU-R BT.2020	0.4	
	2020 PQ to 709 SDR	ITU-R BT.709	2.4	
	2020 HLG to 709 HLG	ITU-R BT.709	_	
	2020 HLG to 709 SDR	ITU-R BT.709	2.4	
	"CDL/User LUT Bypass": Fixed at " "Enable" is set to "On". " "The set to "On". " "The set to "On". " "The set to "On". " "The set to "On". " " " " " " " " " " " " " " " " " "	Off" when "Picture Functi	on Settings" → "Compare View" →	
Detail Settings	Sets details for Picture Mode.			
Boost Contrast	You can increase the brightness. The upper limit for "Contrast" settings On: The settings for "Contrast" are fro Off: The settings for "Contrast" are fro Note It is not possible to set the function selected. The right screen's setting When "Off" is selected, "HDR/SD	om 1500 to 4000. om 0 to 1500. on after selecting Picture Ing will be the same as set	Mode when the right screen is tor the left screen.	
You can import LUT. File names that can be imported can be up to 48 one alphabetical characters, numbers, and symbols (including file extensions). Filename: Select a filename. LUT Type (User LUT, Gamma LUT, Gamut LUT): Select the LUT type. Select LUT: Selects User LUT/Gamma LUT/Gamut LUT 1-8. Base Color Gamut (SMPTE-C, EBU, ITU-R BT.709, Adobe RGB, DCI color gamut used when creating the LUT (when "Gamut LUT" under "LUT Execute: Performs import.			xtensions). LUT type. RGB, DCI-P3, Native): Selects the	
LUT Name	You can specify the name of LUT with numbers, and symbols. LUT Type (User LUT, Gamma LUT, Select LUT: Selects User LUT/Gamma Input Name: Input the LUT name.	Gamut LUT): Select the		
LUT Delete Deletes imported LUT. LUT Type (User LUT, Gamma LUT, Gamut LUT): Select the LUT type. Select LUT: Selects User LUT/Gamma LUT/Gamut LUT 1-8. Delete: Deletes LUT.			LUT type.	
YCbCr Color Matrix	Sets the matrix conversion method fo Automatic: Matrix coefficient is set in "Picture Mode" or "Color the ITU-R BT.709 standa ITU-R BT.709: Matrix coefficient is set ITU-R BT.2020: Matrix coefficient is set ITU-R BT.2020:	n conformance with the IT Gamut" setting is "ITU-R ard otherwise. et in conformance with the	U-R BT.2020 standard when the BT.2020" and in conformance with ITU-R BT.709 standard.	

Item	Setting Options (underline indicates factory default)			
2020 Constant Luminance	Sets the color matrix conversion method to be used when "ITU-R BT.2020" is selected for "Picture Mode" or "Color Gamut". Constant Luminance: YUV signals are linearly converted and then converted into RGB signals. Non-constant Luminance: YUV signals are converted into RGB signals without changing gamma 0.45.			
	SD-SDI is fixed to "Non-constant Luminance".			
	 If "Channel Settings" → "Picture Mode" → "Type" is "L/R", "2020 Constant Luminance" is fixed at "Non-constant Luminance" for the following. However, if "Color Gamut" for the left and right screens is "ITU-R BT.2020", then the right screen's setting will be the same as set for the left screen. 			
	- When displaying a single terminal's input in full-screen			
	- When displaying "2 Sample Interleave" or "Dual Link 3G-SDI" signals			
2020 Gamut Mapping	Set this item when "ITU-R BT.2020" is selected for "Picture Mode" or "Color Gamut". Gamut Mapping : Mapping is performed on colors outside the native color gamut by Canon's unique method.			
Hybrid Log-	Clipping: Colors outside the native color gamut are clipped by a general method.			
Gamma System	Sets the system gamma or peak luminance when selecting "Hybrid Log-Gamma" or "Hybrid Log-Gamma RGB" in "Gamma/EOTF". Automatic : When "Hybrid Log-Gamma" is selected, it adjusts the system gamma automatically to match the contrast value. It cannot be set when "Hybrid Log-Gamma RGB" is selected. Manual : Operations for when "Hybrid Log-Gamma" or "Hybrid Log-Gamma RGB" is selected are as follows:			
	When "Hybrid Log-Gamma" is selected: Adjusts the system gamma.			
	1.000 to 1.500 (1.200, 0.005 increments)			
	When "Hybrid Log-Gamma RGB" is selected: Sets the peak luminance. The maximum value for each setting becomes the upper limit value of "HDR Range". Y1.2 - 1000 cd/m², Y1.2 - 2000 cd/m²			
HDR/SDR View	The HDR (High Dynamic Range) and SDR (Standard Dynamic Range) displays can be compared. On: "Contrast" in the screen on the right is adjusted to the brightness for SDR. Off: Does not compare the HDR and SDR display.			
	 This cannot be set when the "Picture Mode" setting for the left and right screens is the same. When "On" is selected, "Boost Contrast" also becomes "On". 			

Item	Setting Options (underline indicates factory default)
Calibration	Performs calibration based on set target values when "User 1-7" is selected for "Picture Mode". Luminance: Sets the target luminance. 48 to 150 (100) cd/m² Color Temperature: Sets the target color temperature. D93, D65, D61, D60, D56, D50, DCI-P3: Select from preset color temperatures. Custom (xy): You can adjust CIE x, y in increments of 0.001. x: 0.260 to 0.360 (0.313)/y: 0.260 to 0.360 (0.329) Color Gamut: Sets the color gamut. SMPTE-C, EBU, ITU-R BT.709, ITU-R BT.2020, Adobe RGB, DCI-P3 Gamma: Sets the target gamma. 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886 Start: Performs calibration.
	 Note When "Luminance" is set to high brightness, it may be calibrated beyond the brightness adjustment range and set lower than the target value, depending on the "Color Temperature" setting. In that case, set the "Luminance" again. Calibration cannot be executed in "Picture Mode" for the right screen.

Item		Settir	Setting Options (underline indicates factory default)			
	HDMI Link	When "User 1-7" is selected for "Picture Mode", video is displayed at the image quality linked to the video image quality setting using the HDMI metadata. Automatic Adjustment On, Off Color Gamut/Gamma/EOTF: Matches the "Color Gamut" and "Gamma/EOTF" settings of the video display with the HDMI metadata. On, Off Contrast/HDR Range: Matches the "Contrast", "HDR Range", and "Boost Contrast" setting of the video display with the HDMI metadata. On, Off				
		Note				
		Parameter of HDMI meta	idata and Video Display			
		HDML:	 metadata	Video display setting		
		-	BT.709	ITU-R BT.709		
		Color Gamut	BT.2020	ITU-R BT.2020		
			Traditional SDR	2.2		
		Gamma/EOTF	PQ	PQ		
			Hybrid Log-Gamma	Hybrid Log-Gamma		
		Cannot set "HDMI Link"	when "Channel Settings" -	→ "Picture Mode" → "Type" is "L/R".		
	Copy Picture Mode	When "User 1-7" is selected for "Picture Mode", the content of the selected picture mode is copied. The following modes can be selected: Picture Mode (Copy from): SMPTE-C, EBU, ITU-R BT.709, ITU-R BT.2020, Adobe RGB, DCI-P3, User 1-7 (other than the currently set parameter) Execute: Performs copy.				
		In "Picture Mode" other t copied.	han "User 1-7", the results	of calibration performed at the factory are		
	Picture Mode Name	You can change the name of "User 1-7" within 24 characters including alphabetical characters, numbers, and symbols.				
Anchor Adjustment		Temporarily saves parameters for adjusting "Contrast", "Brightness", "Chroma", "Sharpness", and "HDR Range" and recover the values (anchor point setting). OK : Performs anchor point setting. Cancel : Returns to the previous screen without setting anchor point.				
Reset		I	s to the value after calibration "Reset Adjustment setting			

The factory default settings for each "Picture Mode" is as follows:

Item		SMPTE-C	EBU	ITU-R BT.709	ITU-R BT.2020	Adobe RGB	DCI-P3
Contrast		1000	1000	1000	1000	1000	480
Brightness		0	0	0	0	0	0
Chroma		1000	1000	1000	1000	1000	1000
Sharpness		0	0	0	0	0	0
Backlight Cor	ntrol			Local Dim	ming High		
Color	Preset	D65	D65	D65	D65	D65	DCI-P3
Temperature	Х	0.313	0.313	0.313	0.313	0.313	0.314
	У	0.329	0.329	0.329	0.329	0.329	0.351
	Gain R/G/B		1023/1023/	1023 (When "D6	5 Custom": 1000,	/1023/1023)	
	Bias R/G/B	0	0	0	0	0	0
Color Gamut		SMPTE-C	EBU	ITU-R BT.709	ITU-R BT.2020	Adobe RGB	DCI-P3
Gamma/EOTF	=	2.2	2.35	2.2	2.2	2.2	2.6
Color Range		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Input Transfor	Input Transform		-	-	-	-	-
Output Transform		ı	_	_	_	-	_
Output Transf	orm Surround	ı	_	_	_	ı	_
CDL/User LU	Τ	Off	Off	Off	Off	Off	Off
Boost Contra	st	Off	Off	Off	Off	Off	Off
YCbCr Color	Matrix	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
2020 Constar	nt Luminance	Non-constant Luminance	Non-constant Luminance	Non-constant Luminance	Non-constant Luminance	Non-constant Luminance	Non-constant Luminance
2020 Gamut I	Mapping	Clipping	Clipping	Clipping	Clipping	Clipping	Clipping
Hybrid Log-Gamma System		-	-	Gamma	n "Hybrid Log- ": 1.200; I Log-Gamma 1000 cd/m²)	-	-
HDR/SDR View		Off	Off	Off	Off	Off	Off
HDMI Link		Off	Off	Off	Off	Off	Off
Picture Mode	Name	_	_	_	-	_	-

Item		User 1	User 2	User 3	User 4	User 5-7
Contrast		4000	4000	4000	4000	1000
Brightness		0	0	0	0	0
Chroma		1000	1000	1000	1000	1000
Sharpness		0	0	0	0	0
Backlight Cor	ntrol		L	ocal Dimming Hig	gh	
Color	Preset	D65	D65	DCI-P3	D65	D65
Temperature	Х	0.313	0.313	0.314	0.313	0.313
	У	0.329	0.329	0.351	0.329	0.329
	Gain R/G/B	102	3/1023/1023 (W	hen "D65 Custon	n": 1000/1023/10	023)
	Bias R/G/B	0	0	0	0	0
Color Gamut		ITU-R BT.2020	ITU-R BT.2020	DCI-P3	DCI-P3	ITU-R BT.709
Gamma/EOTI	Gamma/EOTF		Hybrid Log- Gamma	SMPTE ST 2084 (PQ)	SMPTE ST 2084 (PQ)	2.2
Color Range		Automatic	Automatic	Automatic	Automatic	Automatic
Input Transform		-	-	-	-	-
Output Transf	orm	_	-	-	_	-
Output Transf	orm Surround	-	-	-	-	-
CDL/User LU	Т	Off	Off	Off	Off	Off
Boost Contra	st	On	On	On	On	Off
YCbCr Color	Matrix	Automatic	Automatic	Automatic	Automatic	Automatic
2020 Constant Luminance		Non-constant Luminance	Non-constant Luminance	Non-constant Luminance	Non-constant Luminance	Non-constant Luminance
2020 Gamut Mapping		Clipping	Clipping	Clipping	Clipping	Clipping
Hybrid Log-Gamma System		Manual (when "Hybrid Log-Gamma": 1.200; when "Hybrid Log-Gamma RGB": γ1.2-1000 cd/m²)			≥)	
HDR/SDR View		On	On	On	Off	Off
HDMI Link		Off	Off	Off	Off	Off
Picture Mode Name		User 1 (2020 PQ)	User 2 (2020 HLG)	User 3 (DCI PQ)	User 4 (DCI PQ D65)	User 5 to User 7

ltem		CINEMA EOS SYSTEM	ACESproxy (ver. 1.0.1)
Contrast		4000	480
Brightness		0	0
Chroma		1000	1000
Sharpness		0	0
Backlight Conti	rol	Local Dimr	ming High
Color	Preset	D65	D60
Temperature	Х	0.313	0.322
	У	0.329	0.338
	Gain R/G/B	1023/1023/1023 (When "D65	6 Custom": 1000/1023/1023)
	Bias R/G/B	0	0
Color Gamut		ITU-R BT.2020	-
Gamma/EOTF		Canon Log 2 (HDR)	-
Color Range		Automatic	-
Input Transform	1	_	Automatic
Output Transfo	rm	-	DCI-P3
Output Transfo	rm Surround	_	Dark Surround
CDL/User LUT		Off	Off
Boost Contrast		On	Off
YCbCr Color N	latrix	Automatic	Automatic
2020 Constant	Luminance	Non-constant Luminance	Non-constant Luminance
2020 Gamut M	apping	Clipping	Clipping
Hybrid Log-Gamma System		Manual (when "Hybrid Log- Gamma": 1.200; when "Hybrid Log-Gamma RGB": γ1.2-1000 cd/m²)	-
HDR/SDR View	1	Off	Off
HDMI Link		Off	Off
Picture Mode Name		_	-

Channel Settings

This menu is used for input related settings. Select the "Select Channel" and choose a channel number from CH1 to CH30. Finally define the parameter of each of the "Channel Settings".

❖ Supported Signal Format (☐ 105)

Item	Setting Options
Select Channel	Display the channel number. In addition, you can assign each content of "Channel Settings" to each channel (30). CH1 to CH30
	Note Not
	• It may take 5 seconds when switching channels.
Input Configuration	Select the input. Factory default depend on the channel (464). 3G/HD-SDI, 3G-SDI RAW, SD-SDI, HDMI, — (Not set)
Select Input Signal	Sets the signal display method (L15). Automatic: The display method is automatically determined to match the input signal. Quad Input: Four input signals (Input A to Input D) are displayed. Dual Input A,B: Two input signals (Input A terminal and Input B terminal) are displayed. Dual Input C,D: Two input signals (Input C terminal and Input D terminal) are displayed. Single Input A, Single Input B, Single Input C, Single Input D: One input signal (any of Input A to Input D) is displayed.
	Settings that can be set differ according to the input signal.
	- SD-SDI: Only "Single Input A" to "Single Input D" can be selected.
	- HDMI: This is fixed to "Automatic".
Image Division	Sets the display method when the input signal is "3G/HD-SDI" and "Select Input Signal" is "Quad Input" or "Dual Input." Two division methods "Square Division" and "2 Sample Interleave" are supported for 4K video signals.
	■ "Quad Input"
	 Automatic: Automatically determined based on payload and displayed. Square Division: Displays a signal transmitted over four inputs as a single image. 2 Sample Interleave: Displays a signal transmitted divided into a 2K/HD signal as a single image. Multi View (Quad): Displays the video of each of the four inputs in four screens.
	■ "Dual Input A,B" or "Dual Input C,D"
	 Automatic: Automatically determined based on payload and displayed. Square Division: Displays a signal transmitted over four inputs as a single image. 2 Sample Interleave: Displays a signal transmitted divided into a 2K/HD signal as a single image. Dual Link 3G-SDI: Displays a Dual Link 3G-SDI signal as a single image. Multi View (Dual): Displays the video of each of the two inputs (Input A,B or Input C,D) in two screens.
	Select Input Signal: Quad Input, Image Division: Square Division
Link Order	Automatically detects and displays correct terminal order based on payload when using "2 Sample Interleave" or "Dual Link 3G-SDI". Automatic, Off

Item	Setting Options
Format	Sets the color format and gradation.
	■ SDI Signal
	Automatic, 4:2:2 YCbCr 10-bit, 4:2:2 YCbCr 12-bit, 4:4:4 YCbCr 10-bit, 4:4:4 YCbCr 12-bit, 4:2:2 ICtCp 10-bit, 4:2:2 ICtCp 12-bit, 4:4:4 ICtCp 10-bit, 4:4:4 RGB 10-bit, 4:4:4 RGB 12-bit, 4:4:4 XYZ 10-bit, 4:4:4 XYZ 12-bit
	■ HDMI Signal
	Automatic, 4:4:4 XYZ 12/10-bit
	Note Not
	• The HD-SDI signal is either "4:2:2 YCbCr 10-bit" or "4:2:2 ICtCp 10-bit".
	• "SD-SDI" is fixed to "4:2:2 YCbCr 10-bit".
	For "3G-SDI RAW", the setting is fixed to "Automatic".
	The settings for correctly displaying ICtCp format signals are as follows.
	- "Picture Mode": "ITU-R BT.709" or "ITU-R BT.2020"
	- "Color Gamut": "ITU-R BT.709" or "ITU-R BT.2020"
	- "Gamma/EOTF": "SMPTE ST 2084 (PQ)", "Hybrid Log-Gamma" or "Hybrid Log-Gamma RGB"
	• If you need to use the ICtCp format for SDI signals, select any of the following to match the signal: "4:2:2 ICtCp 10-bit", "4:2:2 ICtCp 12-bit", "4:4:4 ICtCp 10-bit", "4:4:4 ICtCp 12-bit"
	 If "Automatic" is selected, they are rendered in a Payload that is selected in the order A → B → C → D.
	 To use 4:4:4 XYZ 10-bit for SDI signals, select "4:4:4 XYZ 10-bit". Then, signals will be processed as signals where XYZ data is included in RGB data output in 4:4:4 RGB 10-bit format.
Audio Input	Sets the audio terminal. Terminals that can be selected differ according to the setting of "Select Input Signal." When "Quad Input": Automatic, Input A, Input B, Input C, Input D When "Dual Input A,B": Automatic, Input A, Input B When "Dual Input C,D": Automatic, Input C, Input D
	Automatic: Sets automatically to match the input signal.
	Note
	This setting is fixed at "Automatic" when "Select Input Signal" is "Automatic" or "Single Input".
Marker/TC/CameraInfo Input	Set the target terminal so that various markers (except Grid Marker), Time Code, and Camera Information are displayed. (Camera Information is available in the "Multi View (Quad)" display only) When "Automatic" or "Quad Input": Input A, Input B, Input C, Input D When "Dual Input A,B": Input A, Input B When "Dual Input C,D": Input C, Input D
	This setting becomes invalid except for the "Multi View (Quad)" or "Multi View (Dual)" display.
Internal Sync	Sets whether to synchronize four inputs when "Square Division" is selected. On: Force synchronization. Off: Do not force synchronization.
Channel Name	Sets the name of the selected channel. You can input up to 16 alphanumeric characters.

Item	Setting Options				
Picture Mode	Set "Picture Mode" by individual channel.				
Type	Normal: Set one "Picture Mode". Picture Mode L/R: Sets "Picture Mode" by individual left and right screen. Displays as "Single Input Dual View" when using resolutions of 2K or lower. Picture Mode L, Picture Mode R 4K/2K: Sets "Picture Mode" by individual 4K or 2K signal screen. Resolution 4K, Resolution 2K Automatic: "Picture Mode" is set according to the SDI signal. The set "Picture Mode" is changed to in the order camera metadata → Payload → resolution (4K/2K). Resolution 4K, Resolution 2K, Payload UHD/PQ, Payload UHD/HLG, Payload UHD, Payload 709/PQ, Payload 709/HLG, Payload 709, Payload VANC, Payload Unknown, Camera CINEMA EOS SYSTEM, Camera ARRI, Camera VARICAM				
	Note Not				
	Settings that can be set differ according to the input signal.				
	- "SD-SDI": "Type" is fixed to "Normal". "Automatic" cannot be set.				
	- "3G-SDI RAW" and "HDMI": "Automatic" and "4K/2K" cannot be set in "Type".				
	When "Type" is → "L/R"				
	 Setting the same "Picture Mode" for both left and right screens will cause "Picture Mode" in the non-selected screen to change to a different mode (for example, the "Picture Mode" settings of the left and right screens are switched). 				
	- When using a signal 2K or under, it is fixed at "Single Input Dual View". (For example, the "Picture Mode" settings of the left and right screens are switched.)				
Picture Mode	Set the "Picture Mode" for each screen.				
Picture Mode L	SMPTE-C, EBU, ITU-R BT.709, ITU-R BT.2020, Adobe RGB, DCI-P3, User 1 (2020 PQ), User				
Picture Mode R	2 (2020 HLG), User 3 (DCI PQ), User 4 (DCI PQ D65), User 5 ~ User 7, CINEMA EOS SYSTEM				
Resolution 4K	ACESproxy (ver. 1.0.1): Can be set when "Type" is "Normal".				
Resolution 2K	 — (Not set): Cannot automatically change image quality to suit input signal. Can be set when other than "Resolution 4K" and "Resolution 2K" are selected in "Type" → "Automatic". 				
Payload UHD/PQ					
Payload UHD/HLG	Colorimetry Bit/Transfer Characteristics of the SDI Payload ID supports the signal in conformity with the following standard.				
Payload UHD	SMPTE ST 425-1:2017 (3G-SDI Single Link / Square Division)				
Payload 709/PQ	SMPTE ST 425-3:2019 (3G-SDI Dual Link(2SI))				
Payload 709/HLG	SMPTE ST 425-5:2019 (3G-SDI Quad Link(2SI)) SMPTE ST 292-1:2018 (HD-SDI)				
Payload 709	3 12 3. 252 1.2515 (1.15 35.)				
Payload VANC					
Payload Unknown					
Camera CINEMA EOS SYSTEM					
Camera ARRI					
Camera VARICAM					

Item	Setting Options
Single Input Dual View	When other than "Image Division" → "Multi View (Quad)" or "Multi View (Dual)", the image from the input signal can be reduced and shown in dual-screen. Automatic : When "Picture Mode" → "Type" is "L/R", or when the "Picture Function Settings" Sub Menu items are set to "On", identical images are automatically shown and dual-screen comparison can be made. 4K images are shown in reduced size. Relevant "Picture Function Settings" Sub Menu items: "Peaking", "False Color", "Over Range", "2020 Outside of Gamut View", "Monochrome", "Blue Only", "Red Off", "Green Off", "Blue Off", and "Compare View" Off Note
	Cannot be used when unsupported video signal is input.
Separator	In the following cases, screen borders will be displayed. - When "Picture Mode" → "Type" is "L/R" - When "Multi View (Quad)" or "Multi View (Dual)" is selected - When "Single Input Dual View" is set to "Automatic" and the images are shown next to each other for image comparison - When "Picture Function Settings" → "Compare View" → "Enable" is "On" White, Half, Black, Off

The factory default settings for each channel is shown in the following table.

	СН	CH1	CH2	CH3	CH4	CH5		
Input Configuration		3G/HD-SDI	HDMI	3G-SDI RAW	3G/HD-SDI	3G/HD-SDI		
Select Input Signal		Automatic	Automatic	Automatic	Automatic	Automatic		
Image Division	1	Automatic	Automatic	Automatic	Automatic	Automatic		
Link Order		Automatic	Automatic	Automatic	Automatic	Automatic		
Format		Automatic	Automatic	Automatic	Automatic	Automatic		
Audio Input		Automatic	Automatic	Automatic	Automatic	Automatic		
Marker/TC/Ca	meralnfo Input	Input A	Input A	Input A	Input A	Input A		
Internal Sync		Off	Off	Off	Off	Off		
Channel Name	e	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)		
Picture Mode	→ Type	Normal	Normal	Normal	4K/2K	L/R		
Picture Mo Picture Mo Resolution	ode L	ITU-R BT.709	ITU-R BT.709	CINEMA EOS SYSTEM	User 1 (2020 PQ)	User 1 (2020 PQ)		
Picture Mo		ITU-R BT.709						
Payload	UHD/PQ			User 1 (2020 PQ)				
	UHD/HLG	User 2 (2020 HLG)						
	UHD	ITU-R BT.2020						
	709/PQ	_						
	709/HLG	_						
	709	ITU-R BT.709						
	VANC	_						
Unknown		_						
Camera	CINEMA EOS SYSTEM	CINEMA EOS SYSTEM						
	ARRI	User 6						
	VARICAM		User 7					
Single Input D	ual View	Off	Off	Off	Automatic	Off		
Separator		Off	Off	Off	Off	White		

CH CF			CH6	CH7	CH8	CH9	CH10 to CH30	
Input Configuration 30		3G/HD-SDI	3G/HD-SDI	3G/HD-SDI	3G/HD-SDI	- (Not set)		
Select Input Signal		Automatic	Automatic	Automatic	Automatic	Automatic		
lma	age Division		Automatic	Automatic	Automatic	Automatic	Automatic	
Lin	k Order		Automatic	Automatic	Automatic	Automatic	Automatic	
For	mat		Automatic	Automatic	Automatic	Automatic	Automatic	
Au	dio Input		Automatic	Automatic	Automatic	Automatic	Automatic	
Ma	rker/TC/Cam	eralnfo Input	Input A	Input A	Input A	Input A	Input A	
Inte	ernal Sync		Off	Off	Off	Off	Off	
Ch	annel Name		(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	
Pic	ture Mode →	Туре	L/R	4K/2K	L/R	L/R	Normal	
	Picture Mode Picture Mode Resolution 4	e L	User 1 (2020 PQ)	User 2 (2020 HLG)	User 2 (2020 HLG)	User 2 (2020 HLG)	ITU-R BT.709	
	Picture Mode Resolution 2		ITU-R BT.709					
Ī	Payload	UHD/PQ	User 1 (2020 PQ)					
		UHD/HLG			User 2 (2020 HLG)			
		UHD			ITU-R BT.2020			
		709/PQ			_			
		709/HLG	_					
		709	ITU-R BT.709					
		VANC	_					
Unknown Camera CINEMA EOS SYSTEM		Unknown	_					
		CINEMA EOS SYSTEM						
		ARRI	User 6					
VARICAM		VARICAM			User 7			
Sin	gle Input Dua	l View	Automatic	Automatic	Off	Automatic	Off	
Se	parator		Off	Off	White	Off	Off	

Display Settings

This menu is used to configure the display method.

Item	Setting Options (underline indicates factory default)
Screen Scaling	Defines how the video is scaled and displayed on the screen. Native Input Resolution: Displays the input signal without scaling. 1920x1080 (original) 200%: Doubles the vertical and horizontal dimensions.
	1920x1080→3840x2160 Automatic: Enlarges to full screen. 1920x1080→3840x2160
	 Note In the following cases, the maximum magnification is 200% even if "Automatic" is selected. When "Peaking", "False Color" or "Over Range" is "On"
Anamorphic	Set when checking images photographed using an anamorphic lens. Displayed in accordance with the set magnification. x2.0, x1.8, x1.5, x1.33, Off Note Settings are invalid in the following cases:
	- When "Peaking", "False Color" or "Over Range" is set to "On"

Item	Setting Options (underline indicates factory default)
Scaling Method	Sets the interpolation method when "Screen Scaling" is set to "200%" or "Automatic". Shape Trace: Canon original processing that produces smooth slopes with reduced jagged lines.
	Bicubic : General interpolation process that uses neighboring pixel information to create interpolated pixels.
	Nearest Neighbor: Process that uses nearest neighbor pixel information to create (copy) new pixels. This is useful as it enlarges the original pixels, thus making any jagged lines visible.
Video Position (Multi View)	When displaying on two or four screens ("Multi View (Quad)" or "Multi View (Dual)" or "Single Input Dual View" display), set the vertical display position for the image. "Top": Displays at the top of the screen. "Middle": Displays at the top middle of the screen. "Center": Displays at the middle of the screen. Top, Middle, Center

Item	Setting Options (underline indicates factory default)
Zoom	Enlarges part of the video image. The zoom function can be used when the resolution is "4096x2160", "3840x2160", "2048x1080" or "1920x1080".
	The zoom function cannot be used in the following cases:
	- During execution of "Playback File" under "Screen Capture"
	- During display of the test pattern
	- When calibration has been started.
	- When "Multi View (Quad)" or "Multi View (Dual)" is selected
	 When "Channel Settings" → "Picture Mode" → "Type" is set to "L/R"
	- When "Picture Function Settings" → "Compare View" → "Enable" is set to "On"
	 While the zoom function is in use, the following are not displayed: Background Color, various markers
	When zoom settings are changed, "Frame Hold" turns "Off".
	 When "Type" → "Normal" is selected: When the resolution is "2048x1080" or "1920x1080", the display position cannot be changed even if "Magnification" is set to "x2".
Zoom Preset	Sets the zoom display method. There are three presets. Zoom 1, Zoom 2, Zoom 3, Off
Magnification	Sets the display scale of zoom. x2, x4, x8
Position	The zoom adjustment screen is displayed. Use the jog dial to adjust the display position.
Туре	Sets the enlarged image display method. Normal: Only displays the enlarged image. Single Input Dual View: Displays the overall image on the left and the enlarged image on the right.
	Note
	When "Type" → "Single Input Dual View" is selected: For 4K video (3840x2160 or 4096x2160), the quality of the enlarged image will be degraded compared to "Normal".

Item	Setting Options (underline indicates factory default)
Frame Hold	Pauses the video. On, Off
	Setting is disabled when "Peaking" is set to "On".
	If the image quality setting is changed while the video is paused, the setting may not change correctly.
Background Color	Sets the color of the black band to check the boundary of the black band and video image. White, Gray, Off
	Note
	Setting is disabled when "Multi View (Quad)" or "Multi View (Dual)" is selected.
I/PsF	Defines how the interlace signal or PsF signal is displayed. Automatic: Automatically determined based on payload and displayed. If there is no payload, the signal is displayed as an interlace signal. Interlace: Displayed as an interlace signal. PsF: Displayed as a PsF signal.
PsF	Defines how the PsF signal is displayed. Progressive: Interpolates giving preference to image quality by detecting paired fields. Interlace: Interpolates using two adjacent fields giving priority to speed.
I/P Conversion	Sets the interlaced signal I/P conversion method. Image Priority: This mode gives priority to image quality. Processing time will be longer than "Speed Priority". Speed Priority: This mode gives priority to speed.
Film Cadence	Sets the film cadence mode. 2-2: Displays progressive image after conversion for 2-2 pulldown processed interlaced signal input. 2-3: Displays progressive image after conversion for 2-3 pulldown processed interlaced signal input. 2-3-3-2: Displays progressive image after conversion for 2-3-3-2 pulldown processed interlaced signal input. Off: Does not perform film cadence mode progressive conversion.
	This can be set only when "I/P Conversion" is set to "Image Priority".
	Cannot be set in the "Multi View (Quad)" or "Multi View (Dual)" display. The setting is fixed to "Off".

Audio Settings

This menu is used to set audio output from the headphone terminal.

Item	Setting Options (underline indicates factory default)
SDI Group	Switches the audio group to be input during SDI audio input. CH1-CH8, CH9-CH16
CH L/R (SDI)	Sets the audio to be output from the two channels (L/R) of the headphone respectively. The options differ according to the "SDI Group" setting. When "CH1-CH8" is selected for "SDI Group": CH1-CH8 When "CH9-CH16" is selected for "SDI Group": CH9-CH16
CH L/R (HDMI)	Sets the audio to be output from the two channels (L/R) of the headphone respectively. CH1-CH8
Volume	Sets the volume. 0 to 100 (30)
Audio Switch	Sets the stereo output. LR, L, R, MIX (L+R)

Marker Settings

This menu is used to configure various markers.

Item	Setting Options (underline indicates factory default)
Marker Preset	Customizes markers which are assigned to markers 1 to 5. Marker 1 to 5, Off
Aspect Marker	"Aspect Marker" displays a range in accordance with the specified aspect ratio.
	Note "Aspect Marker" is not displayed in the following cases:
	When there is no signal, unsupported signal, or a channel with "Input Configuration" not set is selected
	When an enlarged image is displayed
	During the execution of "Playback File" under "Screen Capture" When a "Test Pettern" is displayed.
[[]	When a "Test Pattern" is displayed Outline the same transfer On Off
Enable	Switches the aspect marker On, Off. On, Off
Mask	Switches the mask color. Mask is the blanking area outside the range of the marker. Black:
	Half (50% gray):
	Off: Turns mask off.
Aspect Ratio	Sets the aspect ratio of the aspect marker. 16:9, 15:9, 14:9, 13:9, 4:3, 2.39:1, 2.35:1, 1.896:1, 1.85:1, 1.66:1, Variable The aspect ratio can be entered as a numeric value when you select "Variable" (0.01:1 increments). The grayed out slider becomes active and can be used to set the aspect ratio. 1.00:1 to 3.00:1 (1.78:1)
Line	Active when "Black" or "Half" is selected for "Mask". Switches lines on mask On, Off. On, Off
Line Width	Sets the thickness of the aspect marker line. Thick, Normal, Thin

Item	Setting Options (underline indicates factory default)
Line Color	Sets the color of the aspect marker line. White, Red, Green, Blue, Yellow, Cyan, Magenta, Gray
Line Brightness	Sets the brightness of the aspect marker line. High, Low, Half
H Position	Changes horizontal position without changing the aspect65 to 65 (0)
V Position	Changes vertical position without changing the aspect. -35 to 35 (0)
Safety Zone Marker 1, 2	There are two types of "Safety Zone Marker": 1 and 2, which share the same settings. A safety zone marker is used to set the safe zone of the image (actual displayed area) to check the image.
	Note "Safety Zone Marker" is not displayed in the following cases:
	When there is no signal, unsupported signal, or a channel with "Input Configuration" not set is selected
	When an enlarged image is displayed
	During the execution of "Playback File" under "Screen Capture"
	When a "Test Pattern" is displayed
Enable	Switches the safety zone marker On, Off. On, Off
Aspect Ratio	Sets the aspect ratio of the safety zone marker. 16:9, 15:9, 14:9, 13:9, 4:3, 2.39:1, 2.35:1, 1.896:1, 1.85:1, 1.66:1, Variable The aspect ratio can be entered as a numeric value when you select "Variable" (0.01:1 increments). The grayed out slider becomes active and can be used to set the aspect ratio. 1.00:1 to 3.00:1 (1.78:1)
	When "Area Size" is set to "Variable (dot)", you cannot select "Aspect Ratio".
Area Size	Sets the safety zone marker area size. 80%, 88%, 90%, 93%, Variable (%), Variable (dot) When "Variable (%)" is selected, the grayed out "Rate (%)" becomes active. When "Variable (dot)" is selected, the grayed out "Width (dot)" and "Height (dot)" become active. This can be set by moving the slider.
Rate (%)	Becomes active when you select "Variable (%)" under the menu "Area Size". Move the slider to set the displayed marker area size without changing the aspect ratio in 1 % increments. 50 to 100 (80)
Width (dot)	Becomes active when you select "Variable (dot)" under the menu "Area Size". Move the slider to set the area width in 2 dot increment. 360 to 4096 (3276)
Height (dot)	Becomes active when you select "Variable (dot)" under the menu "Area Size". Move the slider to set the area height in 2 dot increment. 240 to 2160 (1728)

Item	Setting Options (underline indicates factory default)	
Shape	Sets the area shape of the safety zone marker. Box: Brackets: C	
Line Width	Sets the width of the safety zone marker line. Thick, Normal, Thin	
Line Color	Sets the color of the safety zone marker line. White, Red, Green, Blue, Yellow, Cyan, Magenta, Gray Sets the brightness of the safety zone marker line. High, Low, Half Adjusts the marker horizontal position with the set aspect and size. -65 to 65 (0)	
Line Brightness		
H Position		
V Position	Adjusts the marker vertical position with the set aspect and size. -35 to 35 (0)	

Item	Setting Options (underline indicates factory default)
Area Marker	"Area Marker" is used to check a specific area using a rectangular box.
	"Area Marker" is not displayed in the following cases:
	When there is no signal, unsupported signal, or a channel with "Input Configuration" not set is selected
	When an enlarged image is displayed
	During the execution of "Playback File" under "Screen Capture" Attack To the Playback File under "Screen Capture"
[When a "Test Pattern" is displayed
Enable	Switches the area marker On, Off. On, Off
H Position	Sets the start position (x-coordinate) to draw the rectangle (in increments of 2). 0 to 4086 (240)
V Position	Sets the start position (y-coordinate) to draw the rectangle (in increments of 2). 0 to 2150 (120)
Width (dot)	Sets the width of the rectangle (in increments of 2). 10 to 4096 (240)
Height (dot)	Sets the height of the rectangle (in increments of 2). 10 to 2160 (120)
Mask	Switches the mask color (in the marker). Black, Half, Off
Line	Turns On/Off the outlines of the rectangular box. On, Off
Line Width	Sets the width of the area marker line. Thick, Normal, Thin
Line Color	Sets the color of the area marker line. White, Red, Green, Blue, Yellow, Cyan, Magenta, Gray
Line Brightness	Sets the brightness of the area marker line. High, Low, Half

Item		Setting Options (underline indicates factory default)		
Center Mark	ker	"Center Marker" shows the center of the image.		
		Note		
		"Center Marker" is not displayed when an enlarged image is displayed.		
E	Enable	Switches the center marker On, Off. On, Off		
S	Size	Sets the size of the center marker. Large, Middle, Small		
	ine Width	Sets the width of the center marker line. Thick, Normal, Thin		
	ine Color	Sets the color of the center marker line. White, Red, Green, Blue, Yellow, Cyan, Magenta, Gray		
1	Line Brightness	Sets the brightness of the center marker line. High, Low, Half		
Grid Marker	-	"Grid Marker" is marker used to check the horizontal and vertical position.		
		Note		
		"Grid Marker" is not displayed when an enlarged image is displayed.		
	Enable	Switches the grid marker On, Off. On, Off		
Line Width Line Color Line Brightness		Sets the horizontal and vertical line distance. 160 dots, 240 dots, 320 dots		
		Sets the width of the grid marker line. Thick, Normal, Thin		
		Sets the color of the grid marker line. White, Red, Green, Blue, Yellow, Cyan, Magenta, Gray		
		Sets the brightness of the grid marker line. High, Low, Half		

Function Settings

This menu is used to set the image signal information display and the cinema camera link function.

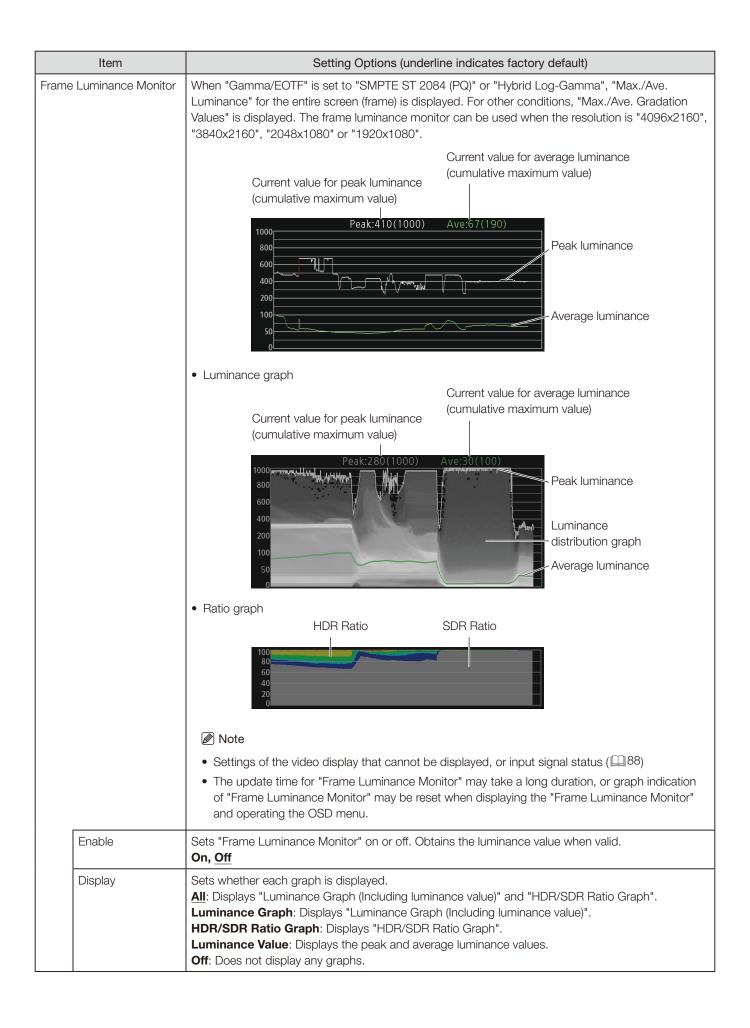
Item	Setting Options (underline indicates factory default)
Time Code	Display the time code superimposed on the signal.
	 Note Settings of the video display that cannot be displayed, or input signal status (\$\subset\$88) When "Multi View (Dual)" is displayed, the "H Offset" setting is invalid.
Enable	Switches the time code display On, Off. On, Off
Туре	Selects the type. VITC, LTC Note This setting becomes invalid when HDMI signal is input and is fixed to "VITC".
Size	Selects the size. Large, Small
Position	Selects the display position. Top Left, Top Right, Bottom Left, Bottom Right Note This setting becomes invalid in the "Multi View (Dual)" display.
H Offset	Adjusts the display position of the time code. 0 to 1460 (0)
Type String Display	Sets display of VITC/LTC strings. On, Off
Brightness	Sets the Brightness of the strings. Normal, Half

	Item	Setting Options (underline indicates factory default)		
Audio Level Meter		Configures various settings for the audio level meter. Displays the audio level of the selected channel number.		
		Note Not		
		• Settings of the video display that cannot be displayed, or input signal status (88)		
	Enable	Switches the audio level meter On, Off. On, Off		
Channel Number (SDI)		Sets the number of channels displayed when SDI signal is input. Options change according to the setting for "SDI Group" under "Audio Settings". When "CH1-CH8" is selected for "SDI Group": 2CH (CH1-CH2), 4CH (CH1-CH4), 6CH (CH1-CH6), 8CH (CH1-CH8), 8CH (1-4, 5-8) (CH1-CH8) When "CH9-CH16" is selected for "SDI Group": 2CH (CH9-CH10), 4CH (CH9-CH12), 6CH (CH9-CH14), 8CH (CH9-CH16), 8CH (1-4, 5-8) (CH9-CH16)		
		 Note When "Channel Number (SDI)" is set to "8CH (1-4, 5-8)", if "Size" is set to "Large", the resulting display will be the same as for "8CH". 		
	Channel Number (HDMI)	Sets the number of channels displayed when HDMI signal is input. 2CH (CH1-CH2), 4CH (CH1-CH4), 6CH (CH1-CH6), 8CH (CH1-CH8)		
•	Size	Sets the size of the display. Large, Middle, Small		
	Peak Hold	When set to "On", one second of audio signal at the peak is kept. On, Off		
	Reference Level	Sets the reference level40 to 0 (-20)		
	Brightness	Sets brightness for the audio level meter. Normal, Low, Half		
Wave Form Monitor		Configures various settings for the wave form monitor. On the wave form monitor, the horizontal axis shows the horizontal resolution of the video and the vertical line shows the signal level. To the right of the wave form monitor, "Color Range" and "HDR Range" information (vertical line) is displayed. Signal level Signal level Horizontal resolution of video		
		Note • Sattings of the video display that cannot be displayed, or input signal status (MISS)		
	Enable	• Settings of the video display that cannot be displayed, or input signal status (88) Switches the wave form monitor On, Off. On, Off		

Item	Setting Options (underline indicates factory default)
Select Signal	Sets the waveform to be displayed. Y, Cb, Cr, R, G, B
Display Type	Sets the display type. When "Line" is selected, data for one line is displayed. All, Line Selects the line to be displayed when "Line" is selected. Select Line: 1 to 2160
Scale	Sets the scale of the wave form monitor. Automatic: Sets in accordance with the "Gamma/EOTF" and "Color Range" settings. IRE, ST 2084 (PQ) Full, ST 2084 (PQ) Limited, Hybrid Log-Gamma, Canon Log, Canon Log 2, Canon Log 3, S-Log2, S-Log3, ARRI (Rec2100-PQ-1K-100), ARRI (Rec2100-HLG-1K-200): Select the scale.
Reference Line	A guide is displayed at the specified position. "Reference Line" is not displayed when "1023" is selected. 4 to 1023
Reference Level	Sets the range of the reference level. Tints the outside of the range of the reference level. • In the case of "Gamma/EOTF" corresponding to the HDR range, parts that exceed the HDR ran are tinted.
	 When "Color Range" → "Limited", outside the limited range is tinted.
	Automatic: Sets in accordance with the "Gamma/EOTF" and "Color Range" settings. Manual: When you select "Manual", sets the reference level. Reference Level High: Sets the reference display level (high). "Reference Level High" is not displayed when "1023" is selected. 468 to 1023 Reference Level Low: Sets the reference display level (low). "Reference Level Low" is not displayed when "0" is selected. 0 to 468
Color	Sets the signals to be displayed and the color of signals exceeding the reference level. Y, Cb, Cr, R, G, B: Selects the signal. Selects the color of the selected signal. White, Red, Green, Blue, Yellow, Cyan, Magenta Default value of each signal is shown below. Y (White), Cb (White), Cr (White), R (Red), G (Green), B (Blue) Reference Level High, Reference Level Low: Selects the reference level. White, Red, Green, Blue, Yellow, Cyan, Magenta Default value of each reference level is shown below. Reference Level High (Magenta), Reference Level Low (Cyan)
Position	Selects the display position. Bottom Left, Bottom Right Note
	This setting becomes invalid in the "Multi View (Dual)" display.
Size	Sets the size of the display. Large, Middle, Small

Item	Setting Options (underline indicates factory default)		
Vector Scope	Configures various settings for the vector scope. Vector scope displays the intensity of color signals and hue with the horizontal axis showing the color difference signal Cb and the vertical line showing Cr. (Cb, Cr) = (255, 255) Red Magenta Magenta Cr Green Cyan Cb Cb		
	Note Not		
Enable	• Settings of the video display that cannot be displayed, or input signal status (88) Switches the vector scope On, Off. On, Off		
Target	Sets the target. 75%, 100%, 75%+100%		
Position	Selects the display position. Bottom Left, Bottom Right Note This setting becomes invalid in the "Multi View (Dual)" display.		
Size	Sets the size of the display. Large, Middle, Small		
Histogram	Displays the luminance distribution of the video.		
	SDR Ratio Luminance Distribution HDR Ratio SDR 97.5% 2.5% HDR 1200 Average luminance Peak luminance Beyond HDR range		
Enable	Switches between displaying or hiding "Histogram". On, Off		

Item	Setting Options (underline indicates factory default)		
Color	 Automatic: Unless "Picture Function Settings" → "False Color" → "Enable" is set to "Off", it will automatically adjust the display to match the "False Color" settings. Normal: Displays in monochrome. False Color: When "Gamma/EOTF" is set to → "SMPTE ST 2084 (PQ)" or "Hybrid Log-Gamma", then it will adjust the display to match the "False Color" settings. When "False Color" → "Enable" is "False Color 1" or "Off": Match the "False Color 1" settings. When "False Color" → "Enable" is "False Color 2": Match the "False Color 2" settings. 		
Gain	Increases the displayed graph size. x1, x2, x3		
HDR Range	 On: Areas that exceed the HDR range will be tinted. On (Clip): Areas that exceed the HDR range and areas that exceed the HDR range and are clipped will be tinted. Off: Areas that exceed the HDR range will not be tinted. 		
HDR/SDR Ratio	Switches between displaying or not displaying the "HDR/SDR Ratio" when "Gamma/EOTF" is set to "SMPTE ST2084 (PQ)" or "Hybrid Log-Gamma". The ratio calculation for HDR/SDR uses the "False Color" → "HDR/SDR Border" settings. On, Off		
Peak/Ave. Luminance	Switches between displaying or not displaying the "Peak/Ave. Luminance" when "Gamma/EOTF" is set to "SMPTE ST2084 (PQ)" or "Hybrid Log-Gamma". On, Off		
Size	Sets the size of the display. Large, Small Note Fixed to "Small" during "Single Input Dual View".		



Item	Setting Options (underline indicates factory default)			
Luminance Graph	Sets "Luminance Graph" display method.			
Settings	Luminance Distribution : Switches between displaying and not displaying the luminance distribution graph. On, Off			
	Color <u>Automatic</u> : Unless "Picture Function Settings" → "False Color" → "Enable" is set to "Off", it will automatically adjust the display to match the "False Color" settings.			
	Normal: Displays in monochrome. False Color: When "Gamma/EOTF" is set to "SMPTE ST 2084 (PQ)" or "Hybrid Log-Gamma", then it will adjust the display to match the "False Color" settings.			
	When "False Color" → "Enable" is "False Color 1" or "Off": Match the "False Color settings. When "False Color" → "Enable" is "False Color 2": Match the "False Color 2" settings.			
	Reference Luminance Level - Peak Automatic: Works in conjunction with the "HDR Range" settings to automatically tint the areas exceed the peak luminance.			
	Manual: Sets the upper limit for peak luminance. Areas that exceed the set value will be tinted. (400 to 4000: increments of 100, 4000 to 10000: increments of 1000) 400 to 10000 (1000)			
	Reference Luminance Level - Ave.: Areas that exceed the set value will be tinted. (Increments of 100) 100 to 1000 (400)			
	Reference Lum. Rise Level - Peak: Sets the peak luminance rise reference value. (Increments 10 cd/m²) 0 to 1000 (400)			
	Reference Lum. Rise Level - Ave.: Sets the average luminance rise reference value. (Increme of 10 cd/m²)			
HDR/SDR Ratio Graph Settings	0 to 1000 (200) Sets "HDR/SDR Ratio Graph" display method. The ratios for HDR and SDR use the "False Color" "HDR/SDR Border" settings as well as the settings for each range.			
	Type HDR/SDR: Displays the ratio between the HDR and SDR areas. HDR: Displays the ratio of luminance in the HDR area. Scale: When "Type" is get to "HDP", gets the scale of the luminance yellur.			
	Scale: When "Type" is set to "HDR", sets the scale of the luminance value. Automatic, 100%, 75%, 50%, 25%			
Size	Sets the size of the display. Large, Small			
	Note • Fixed to "Small" during "Single Input Dual View".			
Reset	Resets the displayed content.			
Export	The luminance information obtained when "Frame Luminance Monitor" is valid, is exported to the USB memory.			

Item		Setting Options (underline indicates factory default)			
Pixel Value Check		When "Gamma/EOTF" is set to "SMPTE ST 2084 (PQ)" or "Hybrid Log-Gamma", the luminance and RGB value of the specified pixel (cursor) position are measured and displayed. The pixel value check can be used when the resolution is "4096x2160", "3840x2160", "2048x1080" or "1920x1080".			
		• Settings of the video display that cannot be displayed, or input signal status (\$\omega\$ 88)			
		The update time for "Pixel Value Check" may take a long duration when displaying the "Pixel Value Check" and operating the OSD menu.			
	Enable	Switches the "Pixel Value Check" On, Off. On, Off			
	H Position	Sets the pixel position (horizontal). 1 to 4096 (960)			
	V Position	Sets the pixel position (vertical). 1 to 2160 (540)			
Reset Position		Sets operation when the RESET button is pressed. Normal: Resets the value to the default value. Around Peak Luminance: Moves closer to the area of peak luminance inside the display image.			
Test Pattern		Sets the test pattern built into the main unit. White (1023), White (940), Gray, Black (64), Black (0), Ramp, Color Bars, Color Bars (PQ Full), Color Bars (PQ Limited), Color Bars (HLG), PLUGE, PLUGE (PQ/HLG), Off			
		If the power is turned off once and then back on, the test pattern will not be displayed.			
		The test pattern will be erased in the following cases:			
		- When calibration has been started			
		- When a channel is changed using the CH button, F button assigned for Channel UP/ Channel DOWN, or "Select Channel" under "Channel Settings"			
		- When changing "Input Configuration" or "Select Input Signal" under "Channel Settings"			
		- When "Reset All Settings" is executed			

Item		Setting Options (underline indicates factory default)			
Signal	Monitoring	Monitors the input signal status.			
		"Signal Monitoring" cannot be used in the following cases:			
		- When "Single Input Dual View" is displayed			
		- When an enlarged image is displayed			
		- During display of the test pattern			
		- During execution of "Playback File" under "Screen Capture"			
		When an error is displayed, "In Monitor Display" will not be shown.			
		 The position the error is displayed can be adjusted with "In Monitor Display" → " Position". 			
	Control	Sets whether "Signal Monitoring" is used or not. On, Off			
	Error Hold	Sets the length of time for displaying errors, when they are detected. On (No time out): Errors continue to be displayed. To hide the displayed error, press the RESET button when closing the OSD menu. On (5 sec.): The displayed error will disappear 5 seconds after the initial detection.			
		Off: Only displays errors during the period when they are detected. The displayed error message will disappear once the error ends.			
	No Signal/ Unsupported Signal	Displays an error when there is no signal or the signal is not supported. On, Off			
2SI Link Order		Displays an error when the cables inserted into the input terminals are in the wrong order when using signals input via "2 Sample Interleave". On, Off			
	Error Log	Displays error history.			
Scree	n Capture	Captures the screen.			
	Capture	Captures the screen. The data is saved under the name "YYYYMMDD_hhmmss.bmp" or "YYYYMMDD_hhmmss.jpg" in the root folder of the USB memory.			
	Frame Hold	Pauses the video. On, Off			
	Capture Source	Selects the sources to capture. All: Everything is captured including video assistance functions such as markers and wave form monitor as well as OSD menu. Video: Only video signals are captured.			
	File Type	Sets the File Type of the image to capture. Bitmap, JPEG			
	Create HDR/SDR Compare File	Creates a file that lets you compare the brightness of HDR and SDR images on a computer. When saving, [_pc] is appended to the file name. On, Off			
	Playback File	Plays back captured images. Select File: Selects a file. Execute: Plays back the image.			
		Note			
		 When playing back captured images on other DP-V2410 or PC, color may not be played back precisely. 			
		Cannot replay HDR/SDR comparison images with [_pc] in the file names.			
	Finish Playback File	Finishes playback.			

Item	Setting Options (underline indicates factory default)					
Camera Link	Sets the functions to link with Cinema EOS cameras and ARRI / Panasonic cinema cameras.					
Automatic Adjustment (CINEMA EOS)	Sets whether or not to link to the camera's image quality setting when "CINEMA EOS SYSTEM" is selected for "Picture Mode". (When "Input Configuration" is "3G/HD-SDI" or "3G-SDI RAW") On, Off When "Color Gamut/Gamma/EOTF", "Color Temperature", and "Color Range" are all set to "On", the following settings are configured.					
	Parameter of Cinema EOS cameras and DP-V2410					
	Cinema EOS cameras	DP-V24	10			
	Color Space	Color Gamut	Color Temperature			
	BT.709	ITU-R BT.709	D65			
	BT.2020	ITU-R BT.2020	D65			
	DCI-P3	DCI-P3	DCI-P3			
	DCI-P3+	DCI-P3+ to 709	D65			
		DCI-P3+ to DCI-P3	DCI-P3			
	Cinema Gamut	Cinema Gamut to 709	D65			
		Cinema Gamut to 2020	D65			
		Cinema Gamut to DCI-P3	DCI-P3			
	RAW Gamut	Cinema Gamut to 709	D65			
		Cinema Gamut to 2020	D65			
		Cinema Gamut to DCI-P3	DCI-P3			
	Cinema EOS cameras	DP-V2410				
	Gamma/EOTF	Gamma/EOTF	HDR Range			
	Canon Log	Canon Log (HDR)				
	Canon Log 2	Canon Log 2 (HDR)				
	RAW Gamma					
	Canon Log 3	Canon Log 3 (HDR)				
	ST 2084, PQ	SMPTE ST 2084 (PQ)	1000			
	Normal (BT.709)	2.2	_			
	Wide DR					
	EOS Std.					
	DCI-P3	2.6				
	Color Temperature: The im. On, Of	F: The image quality of the displant settings. On, Off age quality of the display correspit the color gamut shown on the color.	oonds to the camera's settin	ıgs.		
	Space	ce" is set to "Cinema Gamut" or R BT.709, ITU-R BT.2020, DCI	"DCI-P3+".			

Ite	em	Setting Options (underline indicates factory default)						
	Automatic Adjustment (ARRI) Sets whether or not to link to the camera's image quality setting when "User 6-7" is selected for "Picture Mode". (When "Input Configuration" is "3G/HD-SDI") On, Off					elected for		
		Parameter of ARRI	Cinema camera ar	nd DP-V2410				
		ARRI Cinema camera		D	P-V2410			
		Color Space	Display Color Gamut	CDL/User LUT	Color Gamut	Gamma/ EOTF	HDR Range	
		REC 709	_	_	ITU-R BT.709	2.2	_	
		REC 2020	_	_	ITU-R BT.2020	2.2	_	
		Wide Gamut Log C	Rec2100-PQ- 1K-100	ARRI (Rec2100- PQ-1K-100)	ITU-R BT.2020	SMPTE ST 2084 (PQ)	1000	
			Rec2100-HLG- 1K-200	ARRI (Rec2100- HLG-1K-200)	ITU-R BT.2020	Hybrid Log-Gamma	_	
			User LUT 1-8	User LUT 1-8	_	_	_	
		•	nent (ARRI)" is set t	_			matic	

Item		Setting Opti	ions (underline ind	icates factory	default)	
Automatic Adjustment (VARICAM)	Sets whether or not to link to the camera's image quality setting when "User 6-7" is selected for "Picture Mode". (When "Input Configuration" is "3G/HD-SDI") On, Off					
	Parameter of Pana	asonic Cinema car	mera and video dis	play		
	Panasonic Cinema camera		D	P-V2410		
	Color Space	Display Color Gamut	CDL/User LUT	Color Gamut	Gamma/ EOTF	HDR Range
	V-709	_	_	ITU-R BT.709	2.2	_
	V-Log	V-Log to V-709	VARICAM (V-Log to V-709)	ITU-R BT.709	2.2	_
		User LUT 1-8	User LUT 1-8	_	_	_
	Adjust	ne color gamut an ment (VARICAM)" <u>I to V-709, User I</u>		own on the dis	play when "Au	utomatic
Anamorphic			d, displays in accor the camera metada		settings wher	n anamorphic
	When an ARRI cinema camera is connected to this device, the "H Position", "V Position", "Width", and "Height" for the "Area Marker" change depending on the metadata. ARRI Frame line 1A, ARRI Frame line 1B, Off Note This cannot be displayed when "Marker Preset" is "Off".					
Fan	Canon profession	al-use video came	o the camera's recoras, or ARRI cinemystem Settings" to	a cameras that		
	Note					
	 At a room temperature (25 °C), the fan remains off for approximately one minute when the AC power supply is used and ten minutes when the DC power supply is used. Select the type of power supply according to the purposes. 					
	 If the temperature inside the main unit increases while the fan is off, the message "Fan will be rotated as the temperature is high." is displayed and the fan starts rotating approximately ten seconds later. Since the temperature of the main unit has increased, the fan rotates faster thar usual. 					
		play's fan may sta in unit has increas	rt rotating earlier th ed.	an the camera	because the t	emperature
	The fan may i	not stop in some o	conditions, for exan	nple when used	l at a high tem	perature.
Camera Information	Sets conditions to display camera information. Automatic: Camera information is displayed for 4 seconds when the information has changed. On: Camera information is always displayed. Off: Camera information is not displayed.					

The information display functions that can be displayed vary depending on the video display's settings or the input signal status.

●: Can view —: Cannot view

			●: Can view —: Ca			illiot view	
	Time Code	Audio Level Meter	Wave Form Monitor	Vector Scope	Histo- gram	Frame Luminance Monitor	Pixel Value Check
With an SD-SDI signal	•	•	_	_	_	_	_
While zooming: When "Zoom" → "Type" is set to "Normal"	•	•	_	_	_	_	_
When "Frame Hold" is "On" (For progressive signals)	ı	_	•	•	•	•	•
When "Frame Hold" is "On" (For interlaced or PsF signals)	١	_	_	_	•	•	•
When "Peaking" \rightarrow "Enable" is set to "Peaking 1" or "Peaking 2"	•	•	_	_	•	•	•
During execution of "Playback File" under "Screen Capture"	1	_	_	_	_	_	_
When the display position and "Audio Level Meter" to be displayed is the same			•	•	•	•	•
When "Test Pattern" is displayed	_	_	_	_	_	_	_
When "Multi View (Quad)" is displayed	•	•	_	_	_	_	_
When "Multi View (Dual)" is displayed	•	•	•	•	_	_	_
When "Single Input Dual View" is displayed	•	•	•	•	•	•	_
When "Channel Settings" → "Picture Mode" → "Type" is set to "L/R": When "Multi View (Dual)" or "Single Input Dual View" is displayed	•	•	•	•	_	_	_
When "Channel Settings" → "Picture Mode" → "Type" is set to "L/R", and when a single screen is being used	•	•	_	_	_	_	_
When "Picture Function Settings" → "Compare View" → "Enable" is set to "On": When "Single Input Dual View" is set to "Off" and also the resolution is 4096x2160 or 3840x2160	•	•	_	_	_	_	_
When "Wave Form Monitor" is displayed: When "Wave Form Monitor" → "Select Signal" is "R", "G", "B"	•	•	•	_	•	•	•
When "Wave Form Monitor" is displayed and "Wave Form Monitor" → "Size" is "Large": When the "Position" settings for "Wave Form Monitor" and "Vector Scope" are the same, or when using "Multi View (Dual)" / "Single Input Dual View" display	•	•	•	_	•	•	•
When an I/PsF 4K signal is displayed on one screen and when the "Wave Form Monitor" and "Vector Scope" "Position" settings are the same	•	•	•	_	•	•	•
When there is no signal or the input signal is not supported	•	•	•	•	_	_	_
When displaying video at resolutions other than 4096x2160 / 3840x2160 / 2048x1080 / 1920x1080	•	•	•	•	_	_	_

Picture Function Settings

This menu is used to set video assistance functions, for example.

Item	Setting Options (underline indicates factory default)
Peaking	The outline is displayed in a color, used to check the focus. Customizes "Peaking" and sets it to "Peaking 1" or "Peaking 2".
	 "Peaking" cannot be displayed during the execution of "Playback File" under "Screen Capture". Cannot set when "Compare View" → "Enable" is "On".
Enable	Switches the peaking display mode and also sets peaking to Off. Peaking 1, Peaking 2, Off
	"Enable" changes to "Off" when the power is turned on again.
Monochrome	Displays video in monochrome. Peaking 1 (On, Off), Peaking 2 (On, Off)
Frequency	Sets the central frequency of contour enhancement signals. Peaking 1 (Low, Middle, High), Peaking 2 (Low, Middle, High)
Range	Sets the width of the range to be colored3 ~ 3 (0)
Color	Sets the color to be used. White, Red, Green, Blue, Yellow, Cyan, Magenta
False Color	Displays different colors for the video's brightness levels to make it easier to check the exposure and brightness distribution. Customizes "False Color" and sets it to "False Color 1" or "False Color 2".
	 "False Color" cannot be displayed during the execution of "Playback File" under "Screen Capture". Cannot set when "Compare View" → "Enable" is "On".
Enable	Switches between False Color display mode and non-display. False Color 1, False Color 2, Off
	"Enable" changes to "Off" when the power is turned on again.
Туре	Sets the tint color display method. Automatic: Sets in accordance with the "Gamma/EOTF" settings. IRE, SMPTE ST 2084 (PQ), Hybrid Log-Gamma
	When "IRE" in "Type" is selected, "HDR Range" settings become invalid.
HDR/SDR Border	Sets whether to tint the SDR/HDR areas. 100, 200

Item	Setting Options (underline indicates factory default)
Range - SDR	Sets the upper limit for the SDR area. False Color 1 (On, Off), False Color 2 (On, Off) When "On" is selected, sets the size of the area to be colored. (increments of 10) Monochrome/Brown: 10 to 190 (90*) (40) Brown/Monochrome: 20 to 200 (100*) (80) * When "HDR/SDR Border" is "100"
Range - HDR	Sets the tint color range. False Color 1 (Automatic, Automatic (Over Range), Manual), False Color 2 (Automatic, Automatic (Over Range), Manual) Automatic: Sets the upper limit automatically in accordance with the "Gamma/EOTF" settings.
	When "Manual" or "Automatic (Over Range)" is selected, sets the size of the area to be colored. SMPTE ST 2084 (PQ): The settings are as follows. (100 to 1000: 10 increments, 1000 to 4000: 100 increments, 4000 to 10000: 1000 increments) Blue/light blue: 250 (150*) to 400 Light blue/green: 400 to 1000 Green/yellow: 600 to 4000 Yellow/orange: 800 to 8000 Orange/red: 1000 to 10000 (Only when using "Manual") Hybrid Log-Gamma: The settings are as follows. (10 increments) Blue/light blue: 250 (150*) to 300 Light blue/green: 300 (200*) to 500 Green/yellow: 400 (300*) to 700 Yellow/orange: 500 (400*) to 900 Orange/red: 600 (500*) to 1000 (Only when using "Manual") * When "HDR/SDR Border" is "100"
Over Range	Displays video in monochrome, with the areas where the set range is exceeded are shown tinted. Note Cannot set when "Compare View" → "Enable" is "On".
Enable	Switches the "Over Range" On, Off. On, Off Note • "Enable" changes to "Off" when the power is turned on again.
Range (HDR)	 Automatic: When "Gamma/EOTF" → "SMPTE ST 2084" or "Hybrid Log-Gamma", only the areas that exceed the "HDR Range" setting are tinted. Manual: Only areas that exceed the range set at "SMPTE ST 2084 (PQ)" or "Hybrid Log-Gamma" are tinted. When you select "Manual", sets the reference level. SMPTE ST 2084 (PQ): Sets the tint color range. (100 to 1000: 10 increments, 1000 to 4000: 100 increments, 4000 to 10000: 1000 increments) 100 to 10000 (1000) Hybrid Log-Gamma: Sets the tint color range. (10 increments) 100 to 1000 (1000)
Range (SDR)	Sets the tint color range. (1 increments) 512 to 1023 (940)

Item	Setting Options (underline indicates factory default)
2020 Outside of Gamut View	When "ITU-R BT.2020" is selected for "Picture Mode" or "Color Gamut", displays video in monochrome, with the areas where the color gamut exceeds the selected color gamut shown in red.
	Cannot set when "Compare View" → "Enable" is "On".
Enable	Switches between On and Off for "2020 Outside of Gamut View". On, Off
	"Enable" changes to "Off" when the power is turned on again.
Color Gamut	Sets the "Color Gamut" to be set as out of color gamut. ITU-R BT.709, Native
Range	Sets the range when tinting dark areas. (1 increments)
	0 to 512 0: Tints all dark areas.
	512: Dark areas at the set values or less are not tinted.
Monochrome	Video is displayed in monochrome. On, Off
	Note Not
	Cannot set when "Compare View" → "Enable" is "On".
	When the power is turned off and on, becomes "Off".
Blue Only	Cuts red and green signals, and displays only blue signals in monochrome. On, Off
	"Blue Only" cannot be set when "CDL/User LUT" is a setting other than "CDL 1-8" or "Off".
	Cannot set when "Compare View" → "Enable" is "On".
	When the power is turned off and on, becomes "Off".
Red Off	Video is displayed with red signals cut. On, Off
	Note
	Cannot set when "Compare View" → "Enable" is "On".
	When the power is turned off and on, becomes "Off".
Green Off	Video is displayed with green signals cut. On, Off
	Note
	Cannot set when "Compare View" → "Enable" is "On".
	When the power is turned off and on, becomes "Off".
Blue Off	Video is displayed with blue signals cut. On, Off
	Note
	Cannot set when "Compare View" → "Enable" is "On".
	When the power is turned off and on, becomes "Off".
Backlight Scan	"Backlight Scan" partially turns off the backlight area and reduces the image hold period when displaying images. High, Low, Off

Item	Setting Options (underline indicates factory default)
Compare View	Images having different image quality settings are displayed on the left and right screens for comparison. (When "Picture Mode" for left and right screens is the same)
	"Compare View" cannot be set in the following cases:
	- When "Channel Settings" → "Picture Mode" → "Type" is "L/R"
	- When "Peaking", "False Color", "Over Range" or "2020 Outside of Gamut View" → "Enable" → "On"
	- When "Monochrome", "Blue Only", "Red Off", "Green Off" or "Blue Off" → "On"
	- For SD-SDI signals
	When a signal with a resolution of 2K or smaller is displayed on a single screen, changes to "Single Input Dual View".
Enable	Sets Comparison mode On or Off. On, Off
	Note
	When "HDR/SDR" is selected for "Type" and "Enable" is set to "On", "Boost Contrast" becomes "On".
Туре	Sets the type of the image to compare. Automatic: "HDR/SDR" when "Adjustment" → "CDL/User LUT" is "Off", otherwise set at "CDL/User LUT". HDR/SDR: HDR and SDR images are displayed. CDL/User LUT: The image on which "CDL" or "User LUT" is applied is displayed only in the left screen.
HDR/SDR Convert	Sets the display method for the screen set in SDR when "Type" is set to "HDR/SDR" or "Automatic
Method	("HDR/SDR" settings)". 2020 HDR to 709 SDR, 2020 HDR to 2020 SDR: Setting differs according to the "Gamma/EOTF" settings. "SMPTE ST 2084 (PQ)": The "User LUT" corresponding to each setting is applied. "Hybrid Log-Gamma": The "User LUT" corresponding to each setting is applied. "Canon Log (HDR)", "Canon Log 2 (HDR)", "Canon Log 3 (HDR)": "Canon Log", "Canon Log 2" or "Canon Log 3" is applied. "S-Log2 (HDR)", "S-Log3 (HDR)": "HDR Range" setting "100" is set. User LUT 1-8: The specified "User LUT" is applied. After applying "User LUT" the adjustment inside the display fixes "Color Gamut" at "ITU-R BT.709" and "Gamma/EOTF" at "2.4". Off: Only brightness is lowered. Adjusts the SDR image quality when "Type" is set to "HDR/SDR" or "Automatic ("HDR/SDR" settings)". Contrast (SDR): Sets the contrast on the SDR side. 500 to 2000 (1000) Color Temperature (SDR): Sets the color temperature on the SDR side. Normal, D93, D65, D65 Custom, DCI-P3 Gain (SDR): Sets the gain on the SDR side. -15 to 15 (0)
User LUT Target 1	Sets the comparison target when "Type" is set to "CDL/User LUT" or "Automatic ("User LUT" settings)". User LUT 1 to User LUT 8, Off

Network/IMD Settings

Make the settings for networking of the main unit and remote operation by external devices.

Item		Setting Options (underline indicates factory default)
LAN		Configures video display's network settings.
		Setting is disabled when "Power on Setting" is set to "User 1-3".
	Configure an IP Address	Automatic: Configures an IP address automatically with DHCP/Automatic IP. Manual: Configure an IP address and subnet mask manually.
	Display	192.168.0.1
	Subnet Mask	255.255.255.0
Wi-Fi		This is used to connect the video display to a network using Wi-Fi and control it from an external control device. (33)
	Control	Sets the Wi-Fi connection method. Infrastructure: This method connects to Wi-Fi via an access point. Access Point: This device acts as an access point, and this method connects the device directly to the Wi-Fi device. Off: Does not connect to Wi-Fi.
	Infrastructure	Sets the access point to connect to. At factory settings, the access point to connect to is not configured. Password: You may specify a password if needed by using up to 24 alpha-numerical characters and symbols. The default password is blank.
	Access Point	Configures the access point. SSID: Enter the SSID. This can be set using up to 24 alpha-numerical characters and symbols. Frequency: Sets the communication mode. 2.4 GHz, 5.0 GHz Channel: Sets the channel to use for communication. When set to "2.4 GHz": 1 to 13 (increments of 1) When set to "5.0 GHz": 36, 40, 44, 48 Password: Enter the password. This is set using between 8 and 24 alpha-numerical characters and symbols. Remember to change the default password. The default password is the serial number. The serial number is the individual 12-digit number assigned to your product, and can be checked on the "System Information" screen.
Web		Settings for operating this device remotely using a Web browser. (235)
	Control	Set whether or not to receive control signals from an external device, connected using network connection or Wi-Fi connection, in order to operate the video display remotely from the device's web browser. On, Off
	User ID	Enter the user ID. This is set using up to 16 alpha-numerical characters and symbols. The default user ID is "user".
	Password	Enter the password. This is set using between 8 and 16 alpha-numerical characters and symbols. The default password is the serial number. The serial number is the individual 12-digit number assigned to your product, and can be checked on the "System Information" screen.

	Item	Setting Options (underline indicates factory default)
Display S	Setting Link	Settings are linked between displays connected via LAN. This device's setting values are applied to all linked displays. Adjustment, Channel, Adjustment/Channel, Off * Before linking settings, check that the following conditions are met. (1) Turn on the power to this display and the display(s) to link with, and check that they are all recognized on the network (2) Change the adjustment or channel and check that the other display(s) also change
		The devices and firmware versions that can be linked are shown below. DP-V2410: Version 1.4 or higher DP-V2420 / DP-V2421: Version 1.3 or higher DP-V1710 / DP-V1711: Version 1.3 or higher DP-V2411: Version 1.2 or higher
		Displays not connected can be removed with the RESET button. Note
		Operating the buttons on this display will reflect setting value changes in all. Linked operations using Payload ID, HDMI, Camera, etc. will not reflect the settings changes.
		 If a display model has functions with different menu settings or setting ranges, some settings will not be correctly exported (settings will not be changed, will revert to factory defaults, etc.)
		 In an environment where communication cannot be done properly, such as when the network environment is unstable or the bandwidth is insufficient, settings may not link properly. Only connect displays to be controlled to the LAN. If a Display Controller is connected, it may not operate properly.
		Up to 32 displays can have their settings linked.
In Monito	or Display	The video display supports Television Systems Ltd.'s "TSL UMD Protocol Ver. 5.0". You can operate the video display using an external device connected to the LAN terminal and display characters and tally lights on the screen. You can input any characters you like directly from this video display. (2) 32)
	Control	Sets whether or not to receive the control signal from the connected device. TSL Ver. 5.00, Off Manual: Select to input the characters on this video display. Does not receive a control signal from the connected device.
	Position	This sets whether the characters and tally lights will be displayed at the top or the bottom. Top, Bottom
	Manual Display Type	Automatic: Changes display in accordance with the Input Configuration. Single: Single-screen display. Dual A,B, Dual C,D: Dual-screen display. Quad A,B,C,D: Quadruple-screen display. Note
		 When "Function Settings" → "Signal Monitoring" → "Control" is set to "On" then "Manual Display Type" is fixed to "Automatic".
	Manual String	Manual String (Single, Dual/Quad A, Dual/Quad B, Dual/Quad C, Dual/Quad D, Single Dual L, Single Dual R): With "Control" set to "Manual", select "Manual String" and set the characters to display. You can input up to 16 alphanumeric characters.

System Settings

This menu is used to configure settings related the system of the video display.

Item	Setting Options (underline indicates factory default)
Function/Channel Button	Sets the function or channel to assign to the F buttons or CH button.
Display Function/Displa Function (CDL)	Sets the function to assign to the F buttons of the main unit. Select an F button and assign a function from the following list (\$\lime{\top}\99\$). The factory defaults for the main unit F buttons is as follow: Normal mode F1: Picture Mode F2: Brightness F3: TC/ALM F4: WFM/VEC F5: Histogram/Frame Luminance F6: Pixel Value Check F7: Zoom Preset F8: Boost Contrast CDL mode F1: CDL/User LUT F2: CDL SOP/SAT F3: CDL/User LUT Bypass F4: Single Input Dual View F5: False Color F6: Over Range F7: 2020 Outside of Gamut View F8: Compare View
	Note • When changing channels with "Channel UP/DOWN", the channels with "Input Configuration"
	 (☐60) set to "-" are skipped. • When any marker settings are changed using an F button, those changes will be applied to "Enable" under the currently selected "Marker Preset".
	"Hide OSD" is a function to hide all OSD. When "On" is selected, OSD, "Background Color" and "Separator" are hidden but the menu can be used.
Display Channe	Sets the channel to assign to the CH button on the display. Select a CH button and register a channel number. A list of settings under the menu "Channel Settings" (460) is displayed.
Language	Sets the language of the OSD menu and messages. English, 日本語, 簡体中文
Date/Time	Sets the year/month/date/hour/minute.

Item		Setting Options (underline indicates factory default)
Display Name		Sets the name of the main unit. You can input up to 16 alphanumeric characters.
OSD Set	ttings	
	Banner	Sets the banner display method for the channel name, signal information, and status of the video display.
		Automatic Display: Automatically displays the banner when the input signal or picture mode are changed. On, Off
		Picture Mode: Sets whether to display "Picture Mode". On, Off
		Time Out: The banner automatically disappears. On, Off
	Function Button Guide	 On: You can display the list of functions assigned to an F button on the video display by pressing the jog dial while OSD is closed. Off: Function Button Guide is not displayed.
	OSD Position	Mode 1 (4096x2160): OSD is displayed in a 4096x2160 area. Mode 2 (3840x2160): OSD is displayed in a 3840x2160 area.
	OSD Size	Sets the size of the OSD menu. Large, Small
Protect S	Settings	Locks the settings so they cannot be changed. When you press the MENU button, "Signal/System Information" appears, but other operations are grayed out because they are locked.
	Password	Set a password to protect settings. Use a four-digit number (0000 to 9999). The initial password is blank.
	Protect Target	You can remove Picture Mode and Select Channel from the items to be protected. Picture Mode: Select "On" to protect or "Off" to exclude settings for "Picture Mode". On, Off
		Select Channel: Select "On" to protect or "Off" to exclude settings for "Select Channel". On, Off Function Settings: Select "On" to protect or "Off" to exclude settings for "Function Settings". On Off
	Protect	On, Off Select "OK" to protect. When a password has been set, enter the password and select "OK".
	1 Toteot	Ocidet Or to protect. When a password has been set, enter the password and select. Or .
		Unlocking Protect Settings
		Move the selection frame to "Protect" and press the jog dial for approximately 3 seconds. When a password has been set, enter the password and select "OK".
Power In	ndicator/Button LEC	Settings
	Power Indicator Brightness	Adjusts the brightness of the power indicator on the main unit. The greater the number is, the greater the brightness. Off, 1 to 5 (3)
	Display Button LED	Sets the F buttons and the lamp on the face. On, Off
	Button Name Lighting Time (sec.)	Sets the time (sec) until the lamp on the face goes out if no operation is performed. 60, 30, 10, 5

	Item	Setting Options (underline indicates factory default)
Fan Setti	ngs	Sets the operation of internal fan.
	Fan Control	Makes the fan rotate faster before stopping in order to prevent the internal temperature from increasing, when the fan is stopped manually. On, Off
	Fan Stop	The fan can be stopped manually when "Fan Control" is set to "On". The fan noise can be made silent when the video display is used during shooting or when silence is necessary. On, Off
		If the message "Invalid operation due to high temperature." is displayed, the fan cannot be stopped even when "On" is selected for this item. Wait until the internal temperature lowers.
		 At a room temperature (25 °C), the fan remains off for approximately one minute when the AC power supply is used and ten minutes when the DC power supply is used. Select the type of power supply according to the purposes.
		If the temperature inside the main unit increases while the fan is off, the message "Fan will be rotated as the temperature is high." is displayed and the fan starts rotating approximately ten seconds later. Since the temperature of the main unit has increased, the fan rotates faster than usual.
		Select "Off" to restart the fan. The fan rotates faster than usual.
		The fan may not stop in some conditions, for example when used at a high temperature.
Compatil	ole Settings	Sets compatibility with HDMI devices and operation of functions that differ according to the version of the video display's firmware.
	HDMI	Sets the connection compatibility with HDMI equipment. Normal: All formats are supported. Compatible 1: Set this option when video is not played correctly in "Normal". HDR signals of a luminance higher than that of the display main unit are not supported. Compatible 2: Set this option when video is not played correctly in "Normal" or "Compatible 1". HDR signals are not supported. Compatible 3: Set this option when video is not played correctly in other settings. "4K50.00P/60.00P" and HDR signals are not supported.
	Color Range	Normal: Sets the "Color Range" setting to new types in firmware Version 1.3 or later for this video display. Compatible: Sets the "Color Range" setting to conventional types in firmware Version 1.2 or earlier for this video display.
Firmware	/License Update	This function is used to update the video display firmware. Refer to the Canon website for detailed information.

Item	S	Setting Options (underline indicates factory default)		
Export/Import	Sets the export/import m	Sets the export/import main menu settings.		
	Note ◆ The following setting	s cannot be exported or imported.		
	Adjustment	Target values of Calibration (including calibration results)		
	Display Settings	Zoom Preset, Frame Hold		
	Picture Function Settings	Peaking (Enable), False Color (Enable), Over Range (Enable), 2020 Outside of Gamut View (Enable), Test Pattern, Monochrome, Blue Only, Red Off, Green Off, Blue Off, Compare View (Enable)		
	Network/IMD Settings	LAN, Wi-Fi, Display Setting Link (LAN and Wi-Fi: only export/import via network)		
	System Settings	Date/Time, Fan Stop, Export/Import, Power on Setting		
	User LUT data cannot	ot be exported or imported to "User 1 to 3" under "Target".		
		this product may not be imported to products of which firmware version sion of this product. To import data, update the firmware to the latest		
	LAN: Exports to Filename: Changes the filename: dinfo_dpv24 memory within symbols.	to the built-in memory of the main unit. a display connected with a LAN. file name when "Target" is set to "USB" or "User 1-3". Factory default is 10.dat". You can change the name of the file to be exported to the USB in 16 one-byte characters including alphabetical characters, numbers, and olay with the settings to export from the displays connected via LAN when "LAN".		
Import	USB, User 1-3 Filename: Displays files v Settings (All, Adjustme	nation to save the file to be imported. with the extension ".dat" so you can select from among them. nt, Channel Settings, Display Settings, Audio Settings, tion/Network/System Settings): Select the settings to import. rt.		
Power on Setting	Last memory : Launches time.	of the display when the power is turned on. s with the same settings as when the power was turned off the previous the the settings saved in "User 1-3" under "Export".		
Reset All Settings	defaults?" appears. OK : Performs reset.	tory default. When selected, the message "Reset all settings to factory revious screen without resetting.		

The following functions can also be assigned to an F button (495).

Item	Options		
Adjustment	Picture Mode		
	Contrast		
	Brightness		
	Chroma		
	Chroma Up		
	Sharpness		
	Backlight Control		
	Gamma/EOTF		
	HDR		
	HDR Range		
	Boost Contrast		
	HDR/SDR View		
	Gain		
	Bias		
	ху		
Picture Mode	SMPTE-C		
	EBU		
	ITU-R BT.709		
	ITU-R BT.2020		
	Adobe RGB		
	DCI-P3		
	User 1 (2020 PQ)		
	User 2 (2020 HLG)		
	User 3 (DCI PQ)		
	User 4 (DCI PQ D65)		
	User 5 ~ User 7		
	CINEMA EOS SYSTEM		
	ACESproxy (ver. 1.0.1)		
CDL/User LUT	CDL/User LUT		
	CDL RGB		
	CDL R		
	CDL G		
	CDL B		
	CDL SOP/SAT		
	CDL Slope		
	CDL Offset		
	CDL Power		
	CDL Saturation		
	CDL/User LUT Bypass		
	CDL Export/Import		

Item	Options		
Channel Settings	Channel UP		
	Channel DOWN		
	Select Input Signal		
	Audio Input		
	Single Input Dual View		
	CH1 to CH20		
Display Settings	Screen Scaling		
	Anamorphic		
	Scaling Method		
	Zoom Preset		
	Zoom 1		
	Zoom 2		
	Zoom 3		
	Frame Hold		
	Background Color		
Audio Settings	SDI Group		
	CH L		
	CH R		
	Volume		
	Audio Switch		
Marker Settings	Marker Preset		
	Marker 1		
	Marker 2		
	Marker 3		
	Marker 4		
	Marker 5		
	Aspect Marker		
	Safety Zone Marker 1		
	Safety Zone Marker 2		
	Area Marker		
	Center Marker		
	Grid Marker		

Item	Options			
Function Settings	TC/ALM			
	Time Code			
	Audio Level Meter			
	WFM/VEC			
	Wave Form Monitor			
	WFM Select Signal			
	Vector Scope			
	Histogram/Frame Luminance			
	Histogram			
	Frame Luminance Monitor			
	Pixel Value Check			
	Signal Monitoring Log			
	Capture			
	Camera Information			
Picture Function	Peaking			
Settings	Peaking 1			
	Peaking 2			
	False Color			
	False Color 1			
	False Color 2			
	Over Range			
	2020 Outside of Gamut View			
	Monochrome			
	Blue Only			
	Red Off			
	Green Off			
	Blue Off			
	Backlight Scan			
	Compare View			
System Settings	Signal Information			
	Hide OSD			
	Fan Stop			

Signal Information

Shows the signal information. When "Select Input Signal" is "Quad Input", information for the entire signal and each input is displayed. Select a signal with the jog dial according to the guide at top right corner of the menu. When signal information has been obtained although it is not displayed on the screen, the content of the information is grayed out.

SDI S	Signal	HDMI Signal		
Item	Display Example	Item	Display Example	
Channel	CH1	Channel	CH4	
Input Configuration	3G/HD-SDI (3G-A)	Input Configuration	HDMI	
		Format	Automatic	
Select Input Signal	Quad Input	Resolution	4096x2160	
Image Division	Automatic	Picture Rate, I/P/PsF	60.00P	
Format	Automatic	Pixel Encoding, Color Depth	4:2:2 YCbCr 10-bit	
Resolution	4096x2160	Matrix	ITU-R BT.709	
Picture Rate, I/P/PsF*	24.00P	Range	Full	
SDI Payload ID	89 C3 46 01	EOTF	SMPTE ST 2084 (PQ)	
Video Standard	3G-SDI	Max Luminance (Peak/Avg.)	1000 / 500 cd/m ²	
Sampling Structure, Bit Depth	4:4:4:4 GBRA 10-bit	Display Luminance (Max/Min)	1000 - 0.005 cd/m ²	
Picture Rate	24.00	White Point	x=0.313, y=0.329	
Scanning Method	Progressive/Progressive	Primary Color Red	x=0.640, y=0.330	
	(Transport/Picture)	Primary Color Green	x=0.300, y=0.600	
Link Number	Single/Link_1	Primary Color Blue	x=0.150, y=0.060	
Colorimetry	UHD			
Transfer Characteristics	SDR-TV			

^{*} When a content is grayed out, an asterisk "*" may be displayed indicating low "Picture Rate" accuracy such as "24.00P *".

System Information

Shows the video display status and network information.

Item	Display Example
Display	DP-V2410
Serial No.	00000000000
Firmware/License Ver.	1.4
Usage Time*	5 h
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
MAC Address	FF:FF:FF:FF:FF
Wi-Fi IP Address	192.168.0.1
Wi-Fi Subnet Mask	255.255.255.0

^{*} The "Usage Time" is not always "0" when you purchase the display due to factory inspection.

Main specifications/Performance

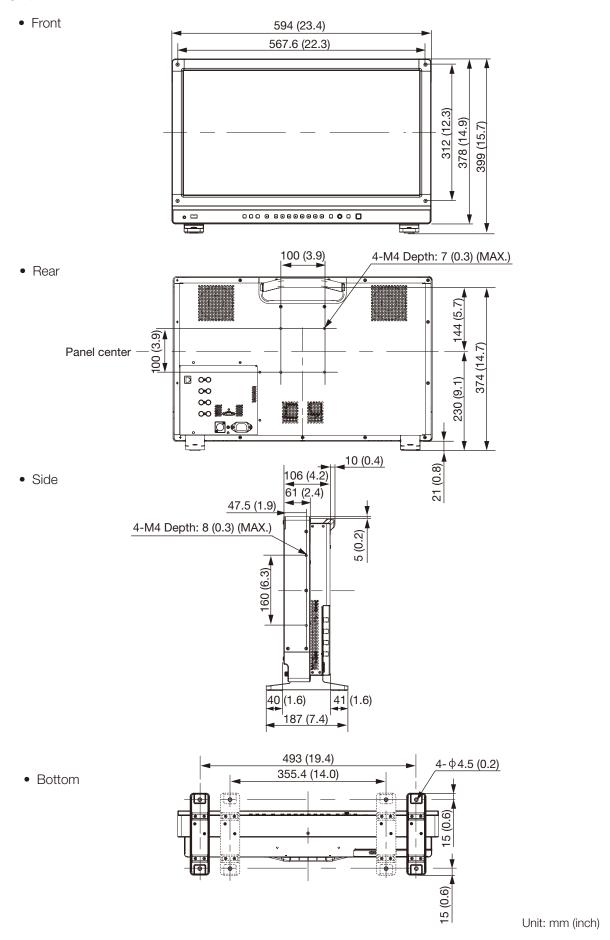
Panel			
Panel Type		IPS LCD panel	
Screen Size		24 inch (61.1 cm)	
Aspect Ratio		17:9	
Resolution		4096x2160 (8.8 megapixels)	
Active Display Are	a	Approximately 540.7 x 285.1 mm	
Pixel Pitch		132 µm/193 ppi	
Panel Driver		1024 gradations, 10-bit for each RGB color	
Image quality			
Brightness (Standa	ard)	100 cd/m ²	
View Angle (Up, D	own, Left, Right)	89° (contrast ratio 10 : 1 or higher)	
Surface Treatment		Anti-glare coating	
General			
Backlight Type		RGB LED, direct down type	
Power		Rated Voltage: 100 – 240 V AC Rated Frequency: 50/60 Hz 24 V – 28 V DC Max. 8.9 A, XLR terminal	
Power consumption	on	At maximum load (including change in brightness through aging): Approximately 210 W At factory shipment: Approximately 160 W	
Environmental Operating Conditions		Temperature and humidity: 0 – 40 °C (32 – 104 °F), 20 – 85 %RH (no condensation) recommended: 15 – 30 °C (59 – 86 °F) Pressure: 700 – 1060 hPa	
	Storage/ Transporting	Temperature and humidity: $-20-40$ °C ($-4-104$ °F), $20-85$ %RH (no condensation) $41-60$ °C ($105-140$ °F), $20-30$ %RH (no condensation) Pressure: $700-1060$ hPa	
Dimensions (width x height x depth)		Including stands: Approx. 594×399×187 mm (23.4×15.7×7.4 in.) Main unit only, excluding protrusions: Approx. 594×378×106 mm (23.4×14.9×4.2 in.)	
Weight		Approximately 12 kg (26.4 lb)	
Mounting Hole Pit	ch	VESA standard 100 x 100 mm (3.9 x 3.9 in.)	

Interface				
Input	3G/HD/SD-SDI	4 (1 systems) BNC (75Ω) receptacle terminal 3G-SDI: SMPTE 2048-2/274M/296/372/425-5/425-3/425-1/428-19/428-9 compliant HD-SDI: SMPTE 2048-2/274M/292-1/296/428-19/428-9 compliant SD-SDI: Compliant with SMPTE-259M		
	HDMI	1 (1 system) type A terminal Contents protection standard: HDCP 2.2		
Output	3G/HD-SDI	4 (1 pass-thru systems)		
	Head phone	1 stereo mini jack, Supported impedance: 32 Ω to 64 Ω		
Control	USB	1 USB A receptacle terminal Universal Serial Bus Specification Revision 2.0 compliant LS (Low Speed)/FS (Full Speed)/HS (High Speed) mode compatible Compliant with Enhanced Host Controller Interface Specification for Universal Serial Bus Revision 1.0		
	LAN	1 RJ-45 terminal Compliant with IEEE802.3 10BASE-TX/IEEE802.3u 100BASE-TX		

Weight and dimensions are approximate. Error and omissions excepted. The information in this manual is verified as of May 2019. It is subject to change without notice.

Dimensions

■ Main Unit



Appendix

Supported Signal Format

■ SDI

Formats with "*" support audio signals.

Transmission method	Signal format	Color format	Color depth	Standards
SD-SDI	720x487i 59.94/60 Hz	4:2:2 YCbCr	4:2:2 YCbCr 10-bit	SMPTE-259M
	720x576i 50.00 Hz			
HD-SDI	1280x720P 59.94/60.00 Hz*	4:2:2 YCbCr	10-bit	SMPTE 292-1 SMPTE 296
	1280x720P 50.00 Hz*			
	1280x720P 29.97/30.00 Hz			
	1280x720P 25.00 Hz*			
	1280x720P 23.98/24.00 Hz*			
	1920x1080i 59.94/60.00 Hz*			SMPTE 292-1
	1920x1080i 50.00 Hz*			SMPTE 274M
	1920x1080P 29.97/30.00 Hz*			
	1920x1080PsF 29.97/30.00 Hz*	7		
	1920x1080P 25.00 Hz*	7		
	1920x1080PsF 25.00 Hz*			
	1920x1080P 23.98/24.00 Hz*			
	1920x1080PsF 23.98/24.00 Hz*]		
	2048x1080i 59.94/60.00 Hz			
	2048x1080i 50.00 Hz			
	2048x1080P 29.97/30.00 Hz			SMPTE 292-1
	2048x1080PsF 29.97/30.00 Hz			SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
	2048x1080P 25.00 Hz			
	2048x1080PsF 25.00 Hz			
	2048x1080P 23.98/24.00 Hz	1		
	2048x1080PsF 23.98/24.00 Hz			
3G-SDI (Level A)	1280x720P 59.94/60.00 Hz*	4:4:4 RGB 4:4:4 YCbCr	10-bit	SMPTE 425-1 SMPTE 296
	1280x720P 50.00 Hz*	4:4:4 RGB 4:4:4 YCbCr	10-bit	
	1280x720P 29.97/30.00 Hz	4:4:4 RGB 4:4:4 YCbCr	10-bit	
	1280x720P 25.00 Hz*	4:4:4 RGB 4:4:4 YCbCr	10-bit	
	1280x720P 23.98/24.00 Hz*	4:4:4 RGB 4:4:4 YCbCr	10-bit	
	1920x1080P 59.94/60.00 Hz*	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 274M

Transmission method	Signal format	Color format	Color depth	Standards
3G-SDI (Level A)	1920x1080i 59.94/60.00 Hz	4:4:4 RGB* 4:4:4 YCbCr*	12-bit/10-bit	SMPTE 425-1 SMPTE 274M
		4:2:2 YCbCr	12-bit	1
	1920x1080P 50.00 Hz*	4:2:2 YCbCr	10-bit	7
	1920x1080i 50.00 Hz	4:4:4 RGB* 4:4:4 YCbCr*	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	1920x1080P 29.97/30.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	7
	1920x1080PsF 29.97/30.00 Hz	4:4:4 RGB*	10-bit	7
			12-bit	
		4:4:4 YCbCr*	12-bit	7
		4:4:4 YCbCr*	10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 274M
	1920x1080P 25.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	7
	1920x1080PsF 25.00 Hz	4:4:4 RGB*	10-bit	7
			12-bit	
		4:4:4 YCbCr*	12-bit	7
		4:4:4 YCbCr*	10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 274M
	1920x1080P 23.98/24.00 Hz	4:4:4 RGB* 4:4:4 YCbCr*	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	7
	1920x1080PsF 23.98/24.00 Hz	4:4:4 RGB	10-bit	7
			12-bit	
		4:4:4 YCbCr	12-bit	7
		4:4:4 YCbCr	10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 274M
	2048x1080P 59.94/60.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
	2048x1080i 59.94/60.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z'	12-bit	7
		4:2:2 YCbCr		
	2048x1080P 50.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 2048-2

Transmission method	Signal format	Color format	Color depth	Standards
3G-SDI (Level A)	2048x1080i 50.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z'	12-bit	7
		4:2:2 YCbCr		
	2048x1080P 47.95/48.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 2048-2
	2048x1080P 29.97/30.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1 SMPTE 428-9
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	2048x1080PsF 29.97/30.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	2048x1080P 25.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	2048x1080PsF 25.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	2048x1080P 23.98/24.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1 SMPTE 428-9
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	2048x1080PsF 23.98/24.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2

Transmission method	Signal format	Color format	Color depth	Standards
3G-SDI (Level B)	1920x1080P 59.94/60.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1
	1920x1080i 59.94/60.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	SMPTE 372 SMPTE 274M
		4:2:2 YCbCr*	12-bit	
	1920x1080P 50.00 Hz	4:2:2 YCbCr	10-bit	1
	1920x1080i 50.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr*	12-bit	
	1920x1080P 29.97/30.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	1920x1080PsF 29.97/30.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	1920x1080P 25.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	1920x1080PsF 25.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	1920x1080P 23.98/24.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	1920x1080PsF 23.98/24.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	2048x1080P 59.94/60.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
	2048x1080i 59.94/60.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	
	2048x1080P 50.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 372 SMPTE 2048-2
	2048x1080i 50.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	

Transmission method	Signal format	Color format	Color depth	Standards
3G-SDI (Level B)	2048x1080P 47.95/48.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 372 SMPTE 2048-2
	2048x1080P 29.97/30.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1 SMPTE 372
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	2048x1080PsF 29.97/30.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	2048x1080P 25.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	2048x1080PsF 25.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	2048x1080P 23.98/24.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2

Transmission method	Signal format	Color format	Color depth	Standards
3G-SDI	2048x1080PsF 23.98/24.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
(Level B)		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
Dual Link 3G-SDI (Level A)	1920x1080P 59.94/60 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-3 SMPTE 274M
		4:2:2 YCbCr	12-bit	
	1920x1080P 50 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	2048x1080P 59.94/60 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-3 SMPTE 428-9
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	SMPTE 428-19 SMPTE 2048-2
	2048x1080P 50 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	
	2048x1080P 47.95/48 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	
Dual Link 3G-SDI (Level B)	1920x1080P 59.94/60 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-3 SMPTE 372
		4:2:2 YCbCr	12-bit	SMPTE 274M
	1920x1080P 50 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	2048x1080P 59.94/60 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-3 SMPTE 372
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
	2048x1080P 50 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	- OIVII 1 L 2040-2
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	
	2048x1080P 47.95/48 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	

Transmission method	Signal format	Color format	Color depth	Standards
Dual Link 3G-SDI Square Division (Level B)	3840x2160P 29.97/30 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-3
	3840x2160PsF 29.97/30 Hz			SMPTE 372 SMPTE 274M
(LCVGI D)	3840x2160P 25 Hz			OWN TE 27 HW
	3840x2160PsF 25 Hz			
	3840x2160P 23.98/24 Hz			
	3840x2160PsF 23.98/24 Hz			
	4096x2160P 29.97/30 Hz			SMPTE 425-3
	4096x2160PsF 29.97/30 Hz			SMPTE 372 SMPTE 2048-2
	4096x2160P 25 Hz			01111 12 20 10 2
	4096x2160PsF 25 Hz			
	4096x2160P 23.98/24 Hz			
	4096x2160PsF 23.98/24 Hz			
Dual Link 3G-SDI	3840x2160P 29.97/30 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-3
2 Sample Interleave (Level B)	3840x2160P 25 Hz			SMPTE 372 SMPTE 274M
(LCVGI D)	3840x2160P 23.98/24 Hz			OWN TE Z7 TW
	4096x2160P 29.97/30 Hz			SMPTE 425-3 SMPTE 372 SMPTE 2048-2
	4096x2160P 25 Hz			
	4096x2160P 23.98/24 Hz			
Quad Link HD-SDI	3840x2160i 59.94/60.00 Hz*	4:2:2 YCbCr	10-bit	SMPTE 292-1 SMPTE 274M
	3840x2160i 50.00 Hz*			
	3840x2160P 29.97/30.00 Hz*			
	3840x2160PsF 29.97/30.00 Hz*			
	3840x2160P 25.00 Hz*			
	3840x2160PsF 25.00 Hz*			
	3840x2160P 23.98/24.00 Hz*			
	3840x2160PsF 23.98/24.00 Hz*			
	4096x2160i 59.94/60.00 Hz			
	4096x2160i 50.00 Hz			
	4096x2160P 29.97/30.00 Hz			SMPTE 292-1
	4096x2160PsF 29.97/30.00 Hz	7		SMPTE 428-9 SMPTE 428-19
	4096x2160P 25.00 Hz	7		SMPTE 2048-2
	4096x2160PsF 25.00 Hz	1		
	4096x2160P 23.98/24.00 Hz	1		
	4096x2160PsF 23.98/24.00 Hz	1		
				1

Transmission method	Signal format	Color format	Color depth	Standards
Quad Link 3G-SDI (Level A)	3840x2160P 59.94/60.00 Hz	4:2:2 YCbCr*	10-bit	SMPTE 425-1
	3840x2160i 59.94/60.00 Hz	4:4:4 RGB* 4:4:4 YCbCr*	12-bit/10-bit	SMPTE 274M
		4:2:2 YCbCr	12-bit	
	3840x2160P 50.00 Hz	4:2:2 YCbCr*	12-bit	
	3840x2160i 50.00 Hz	4:4:4 RGB* 4:4:4 YCbCr*	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160P 29.97/30.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160PsF 29.97/30.00 Hz	4:4:4 RGB*	10-bit	7
			12-bit	
		4:4:4 YCbCr*	12-bit	
		4:4:4 YCbCr*	10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 274M
	3840x2160P 25.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160PsF 25.00 Hz	4:4:4 RGB*	10-bit	
			12-bit	
		4:4:4 YCbCr*	12-bit	
		4:4:4 YCbCr*	10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 274M
	3840x2160P 23.98/24.00 Hz	4:4:4 RGB* 4:4:4 YCbCr*	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160PsF 23.98/24.00 Hz	4:4:4 RGB	10-bit	
			12-bit	
		4:4:4 YCbCr	12-bit	
		4:4:4 YCbCr	10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 274M
	4096x2160P 59.94/60.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
	4096x2160i 59.94/60.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	

Transmission method	Signal format	Color format	Color depth	Standards
Quad Link 3G-SDI (Level A)	4096x2160P 50.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 2048-2
	4096x2160i 50.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	
	4096x2160P 47.95/48.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 2048-2
	4096x2160P 29.97/30.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	4096x2160PsF 29.97/30.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1 SMPTE 2048-2
		4:2:2 YCbCr	12-bit	
	4096x2160P 25.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	4096x2160PsF 25.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	4096x2160P 23.98/24.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2
	4096x2160PsF 23.98/24.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 2048-2

Transmission method	Signal format	Color format	Color depth	Standards
Quad Link 3G-SDI 2 Sample Interleave (Level A)	3840x2160P 59.94/60 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-5
	3840x2160P 50 Hz	4:2:2 YCbCr	10-bit	SMPTE 274M
	3840x2160P 29.97/30 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160P 25 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160P 23.98/24 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	4096x2160P 59.94/60 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-5
	4096x2160P 50 Hz	4:2:2 YCbCr	10-bit	SMPTE 428-9 SMPTE 428-19
	4096x2160P 47.95/48 Hz	4:2:2 YCbCr	10-bit	SMPTE 2048-2
	4096x2160P 29.97/30 Hz	4:4:4 RGB	12-bit/10-bit	
		4:4:4 X'Y'Z'	12-bit	
		4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	4096x2160P 25 Hz	4:4:4 RGB	12-bit/10-bit	
		4:4:4 X'Y'Z'	12-bit	
		4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	4096x2160P 23.98/24 Hz	4:4:4 RGB	12-bit/10-bit	
		4:4:4 X'Y'Z'	12-bit	
		4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
Quad Link 3G-SDI (Level B)	3840x2160P 59.94/60.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1
	3840x2160i 59.94/60.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	SMPTE 372 SMPTE 274M
		4:2:2 YCbCr*	12-bit	
	3840x2160P 50.00 Hz	4:2:2 YCbCr	10-bit	1

Transmission method	Signal format	Color format	Color depth	Standards
Quad Link 3G-SDI (Level B)	3840x2160i 50.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1 SMPTE 372
		4:2:2 YCbCr*	12-bit	SMPTE 274M
	3840x2160P 29.97/30.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160PsF 29.97/30.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160P 25.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160PsF 25.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160P 23.98/24.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	1
	3840x2160PsF 23.98/24.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	4096x2160P 59.94/60.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
	4096x2160i 59.94/60.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	
	4096x2160P 50.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 372 SMPTE 2048-2
	4096x2160i 50.00 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:4:4 X'Y'Z' 4:2:2 YCbCr	12-bit	
	4096x2160P 47.95/48.00 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-1 SMPTE 372 SMPTE 2048-2

Transmission method	Signal format	Color format	Color depth	Standards
Quad Link 3G-SDI (Level B)	4096x2160P 29.97/30.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1 SMPTE 372
		4:4:4 X'Y'Z'	12-bit	SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	4096x2160PsF 29.97/30.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	4096x2160P 25.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	4096x2160PsF 25.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	4096x2160P 23.98/24.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2
	4096x2160PsF 23.98/24.00 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 425-1
		4:4:4 X'Y'Z'	12-bit	SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2
		4:4:4 YCbCr	12-bit/10-bit	SMPTE 425-1
		4:2:2 YCbCr	12-bit	SMPTE 372 SMPTE 2048-2

Transmission method	Signal format	Color format	Color depth	Standards
Quad Link 3G-SDI 2 Sample Interleave (Level B)	3840x2160P 59.94/60 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-5
	3840x2160P 50 Hz	4:2:2 YCbCr	10-bit	SMPTE 372 SMPTE 274M
	3840x2160P 29.97/30 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	- SIVII TE 21 4IVI
		4:2:2 YCbCr	12-bit	
	3840x2160P 25 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	3840x2160P 23.98/24 Hz	4:4:4 RGB 4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	4096x2160P 59.94/60 Hz	4:2:2 YCbCr	10-bit	SMPTE 425-5
	4096x2160P 50 Hz	4:2:2 YCbCr	10-bit	SMPTE 372 SMPTE 428-9
	4096x2160P 47.95/48 Hz	4:2:2 YCbCr	10-bit	SMPTE 428-19
	4096x2160P 29.97/30 Hz	4:4:4 RGB	12-bit/10-bit	SMPTE 2048-2
		4:4:4 X'Y'Z'	12-bit	1
		4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	4096x2160P 25 Hz	4:4:4 RGB	12-bit/10-bit	
		4:4:4 X'Y'Z'	12-bit	
		4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	
	4096x2160P 23.98/24 Hz	4:4:4 RGB	12-bit/10-bit	
		4:4:4 X'Y'Z'	12-bit	
		4:4:4 YCbCr	12-bit/10-bit	
		4:2:2 YCbCr	12-bit	

■ RAW

Signal format
3840x2160P 59.94 Hz, 50.00 Hz, 29.97 Hz, 25.00 Hz, 24.00 Hz, 23.98 Hz
4096x2160P 59.94 Hz, 50.00 Hz, 29.97 Hz, 25.00 Hz, 24.00 Hz, 23.98 Hz

■ HDMI

Signal format	Color format/Color depth
640x480P 59.94/60.00 Hz	4:4:4 RGB 8-bit
800x600P 60.00 Hz	
1024x768P 60.00 Hz	
720x480P 59.94/60.00 Hz	4:4:4 RGB 12-bit/10-bit/8-bit
720x576P 50.00 Hz	4:4:4 YCbCr 12-bit/10-bit/8-bit 4:2:2 YCbCr 12-bit
1280x720P 59.94/60.00 Hz	4.2.2 10001 12 010
1280x720P 50.00 Hz	
1920x1080P 59.94/60.00 Hz	
1920x1080i 59.94/60.00 Hz	
1920x1080P 50.00 Hz	
1920x1080i 50.00 Hz	
1920x1080P 29.97/30.00 Hz	
1920x1080P 25.00 Hz	
1920x1080P 23.98/24.00 Hz	
2048x1080P 59.94/60.00 Hz	
2048x1080P 50.00 Hz	
2048x1080P 29.97/30.00 Hz	
2048x1080P 25.00 Hz	
2048x1080P 23.98/24.00 Hz	
3840x2160P 59.94/60.00 Hz	4:4:4 RGB 8-bit
3840x2160P 50.00 Hz	4:4:4 YCbCr 8-bit 4:2:2 YCbCr 12-bit 4:2:0 YCbCr 12-bit/10-bit/8-bit
3840x2160P 29.97/30.00 Hz	4:4:4 RGB 12-bit/10-bit/8-bit
3840x2160P 25.00 Hz	4:4:4 YCbCr 12-bit/10-bit/8-bit 4:2:2 YCbCr 12-bit
3840x2160P 23.98/24.00 Hz	4.2.2 10001 12 010
4096x2160P 59.94/60.00 Hz	4:4:4 RGB 8-bit
4096x2160P 50.00 Hz	4:4:4 YCbCr 8-bit 4:2:2 YCbCr 12-bit 4:2:0 YCbCr 12-bit/10-bit/8-bit
4096x2160P 29.97/30.00 Hz	4:4:4 RGB 12-bit/10-bit/8-bit
4096x2160P 25.00 Hz	4:4:4 YCbCr 12-bit/10-bit/8-bit 4:2:2 YCbCr 12-bit
4096x2160P 23.98/24.00 Hz	

Image/Frame Display

■ SDI

	Signal system		Display M	1ethod
720x487	59.94/60.00	i	59.94/60.00	Р
720x576	50.00	i	50.00	Р
1280x720	23.98/24.00	Р	47.96/48.00	P*
	25.00	Р	50.00	P*
	29.97/30.00	Р	59.94/60.00	P*
	50.00	Р	50.00	Р
	59.94/60.00	Р	59.94/60.00	Р
1920x1080	50.00	i	50.00	Р
	59.94/60.00	i	59.94/60.00	Р
	23.98/24.00	PsF	47.96/48.00	P*
	25.00	PsF	50.00	P*
	29.97/30.00	PsF	59.94/60.00	P*
	23.98/24.00	Р	47.96/48.00	P*
	25.00	Р	50.00	P*
	29.97/30.00	Р	59.94/60.00	P*
	50.00	Р	50.00	Р
	59.94/60.00	Р	59.94/60.00	Р
2048x1080	50.00	i	50.00	Р
	59.94/60.00	i	59.94/60.00	Р
	23.98/24.00	PsF	47.96/48.00	P*
	25.00	PsF	50.00	P*
	29.97/30.00	PsF	59.94/60.00	P*
	23.98/24.00	Р	47.96/48.00	P*
	25.00	Р	50.00	P*
	29.97/30.00	Р	59.94/60.00	P*
	47.95/48.00	Р	47.95/48.00	Р
	50.00	Р	50.00	Р
	59.94/60.00	Р	59.94/60.00	Р
3840x2160	50.00	i	50.00	Р
	59.94/60.00	i	59.94/60.00	Р
	23.98/24.00	PsF	47.96/48.00	P*
	25.00	PsF	50.00	P*
	29.97/30.00	PsF	59.94/60.00	P*
	23.98/24.00	Р	47.96/48.00	P*
	25.00	Р	50.00	P*
	29.97/30.00	Р	59.94/60.00	P*
	50.00	Р	50.00	Р
	59.94/60.00	Р	59.94/60.00	Р

Signal system		Display Method		
4096x2160	50.00	i	50.00	Р
	59.94/60.00	i	59.94/60.00	Р
	23.98/24.00	PsF	47.96/48.00	P*
	25.00	PsF	50.00	P*
	29.97/30.00	PsF	59.94/60.00	P*
	23.98/24.00	Р	47.96/48.00	P*
	25.00	Р	50.00	P*
	29.97/30.00	Р	59.94/60.00	P*
	47.95/48.00	Р	47.95/48.00	Р
	50.00	Р	50.00	Р
	59.94/60.00	Р	59.94/60.00	Р

^{*:} Displaying same frame

■ HDMI

Signal system			Display Method	
640x480	59.94/60.00	Р	59.94/60.00	Р
800×600	60.00	Р	60.00	Р
720x480P	59.94/60.00	Р	59.94/60.00	Р
720x576	50.00	Р	50.00	Р
1024x768	60.00	Р	60.00	Р
1280x720	59.94/60.00	Р	59.94/60.00	Р
1280x720	50.00	Р	50.00	Р
1920x1080	59.94/60.00	Р	59.94/60.00	Р
1920x1080	59.94/60.00	i	59.94/60.00	Р
1920x1080	50.00	Р	50.00	Р
1920x1080	50.00	i	50.00	Р
1920x1080	59.94/60.00	i	59.94/60.00	Р
1920x1080	29.97/30.00	Р	59.94/60.00	P*
1920x1080	25.00	Р	50.00	P*
1920x1080	23.98/24.00	Р	47.96/48.00	P*
2048x1080	59.94/60.00	Р	59.94/60.00	Р
2048x1080	50.00	Р	50.00	Р
2048x1080	29.97/30.00	Р	59.94/60.00	P*
2048x1080	25.00	Р	50.00	P*
2048x1080	23.98/24.00	Р	47.96/48.00	P*
3840x2160	59.94/60.00	Р	59.94/60.00	Р
3840x2160	50.00	Р	50.00	Р
3840x2160	29.97/30.00	Р	59.94/60.00	P*
3840x2160	25.00	Р	50.00	P*
3840x2160	23.98/24.00	Р	47.96/48.00	P*
4096x2160	59.94/60.00	Р	59.94/60.00	Р
4096x2160	50.00	Р	50.00	Р
4096x2160	29.97/30.00	Р	59.94/60.00	P*
4096x2160	25.00	Р	50.00	P*
4096x2160	23.98/24.00	Р	47.96/48.00	P*

^{*:} Displaying same frame

Error Messages

	Message	Description and Action	
Calibration	Failed to initialize the external sensor.	See CA-310 and CA-210 instruction manual.	
	Calibration error.	Check the installation and connection of the external sensor and retry (23).	
		Perform matrix calibration of CA-310 and CA-210 (23).	
	Calibration is completed. (Brightness setting is lower than target brightness.)	Set the "Luminance" in calibration again (\$\subseteq\$55).	
	Failed to detect the external sensor. Please check the connection with the sensor.	Correctly connect the external sensor to the USB port of this main unit.	
Network	Communication error.	IP address may be in conflict or there may be a network communication error. Check the network environment.	
	Invalid IP Address.	Enter the correct IP address.	
	Invalid Subnet Mask.	Enter the correct subnet mask.	
	Display is not connected.	Check that the Canon display to which you wish to export this video display's settings and this video display are correctly connected with a LAN cable.	
Various settings, CDL export	The USB memory is full.	Use another USB memory or delete the content of the memory.	
	Failed to write file.	The USB memory may be defective or protected. Check the USB memory.	
LUT, Various settings, CDL import	(LUT Import) "LUT Type" is different. (CDL Import) "File Type" is different.	Select the correct file format.	
	Failed to read file.	The USB memory may be defective or protected. Check the USB memory.	
	Failed to import.	There is an error in the file to be imported. Check the file.	
	No import file.	Check and ensure that the file has been saved to the USB memory or imported to "User 1-3".	

	Message	Description and Action
Screen Capture	Failed to capture.	The USB memory may be defective or protected. Check the USB memory.
	Invalid Signal.	A screen displaying no video is being captured for example there is no signal or an unsupported signal is being input. Check the signal, input it again, and capture it.
	Copy protected signal.	The signal you tried to capture may be protected by HDCP 2.2 which is a copy prevention standard for HDMI. In this case, the signal cannot be captured. Check the HDMI signal.
	Failed to playback file.	The USB memory or the file may be defective or protected. Check the USB memory or the file.
	No capture file.	Check and ensure that the file has been saved to the USB memory.
Hardware error	Backlight error.	Disconnect the power cord, reconnect it, and then
	Fan error.	turn on the power. If the message persists, contact Canon Customer
	Panel error.	Center.
	I/F error.	
	System error.	
	Invalid operation due to high temperature.	The temperature inside the main unit is high. Turn off the power and wait until the fan stops.
Input signal	No Signal	Displayed when there is no video signal input.
	Unsupported	Unsupported video signal is input. Check the supported signal format (🕮 105).
Operation	Invalid operation.	Operation is disabled. Check the setting items.
	"Protect Settings" is on.	To use the OSD menu, move the selection frame to "Protect" and press the jog dial for approximately 3 seconds.
	"CDL/User LUT Bypass" is on.	When "CDL/User LUT Bypass" is turned "On", you cannot adjust "Power", "Saturation", "Offset", or "Slope".
	Invalid Password.	Enter the correct password.
USB memory	USB memory is not connected.	Correctly connect the USB memory to the USB port of this main unit.
	Unsupported USB memory.	Check the USB memory format and make sure it is not protected.
Wi-Fi adapter	Wi-Fi Adaptor is not connected.	Correctly connect the Wi-Fi adapter to the USB terminal of the video display.
	Failed to connect Wi-Fi Access Point.	The password may be wrong, or there may be a network communication error. Check the network environment.

Message		Description and Action	
Firmware Update	No update file.	Firmware update files are not saved on USB memory or other media.	
	Failed to read update file.	There is an error in the file. Check the file.	
	The firmware/license has been already updated.	This is the file that is updated on the video display.	
DC power supply	Low Voltage.	Indicates that the input voltage of the DC power supply has become below approx. 22.5 V. Check the voltage of the DC power supply.	
	Low Voltage, Turn off power.	Indicates that the input voltage of the DC power supply has become below approx. 21.0 V and the power will be turned off. Connect a 23.5 V or higher DC power supply and press the 🖰 button to turn on the power.	
	Invalid Voltage, Turn off power.	Indicates that the input voltage of the DC power supply has reached approx. 35.8 V or higher. Check the input voltage of the DC power supply.	

Troubleshooting

Symptom	Cause and Action	
Power does not turn on.	Press the () button.	9
(Power indicator does not turn on.)	Check that the AC power supply or DC power cord is connected correctly.	17
	Brightness of the power indicator may be turned off. Turn it on and check once more.	96
The screen is dark.	When the power indicator does not turn on: Press the (b) button.	9 17
	Check that the AC power supply or DC power cord is connected correctly.	
	When the power indicator is lit orange: • Press the (b) button.	9
	When the power indicator is flashing orange: • Flashing once every 3 seconds: Contact Canon Customer Center.	9
	Flashing twice every 3 seconds: - Turn on the power with the	102
The power suddenly goes off when a DC power supply is used.	Some DC power supply units turn off the voltage when a threshold value is reached. In this case, the message indicating low voltage is not displayed. Connect a charged DC power supply or AC power supply.	_
The image does not display.	Set each item in "Channel Settings" according to input signal.	60
The 3G-SDI RAW signal image does not display.	At times the 3G-SDI RAW signal image may not display, depending on the type of the Cinema EOS camera. Refer to the Canon website for a list of supported products.	_
There is a blank area when set to Quad Input/Dual Input.	There may be no input signal. Look at the display area icon in the interface area and check that the input area and signal cables are properly connected.	15
	Signals with different resolution or frequency may be input from each terminal. Check the signal.	101
Video paused temporarily	The screen may pause when running "Capture" via a web browser. When "Capture" is complete, or turning "Web" → "Control" to "Off" will return to normal screen.	35
Screen is too bright/dark.	Adjust the "Contrast" on the OSD menu.	45
	There is a limit on the service life of LCD backlight. If the screen becomes dark or starts flickering, contact Canon Customer Center.	

Symptom	Cause and Action	
Burn-in image appears.	This is a characteristic of the LCD panel and you should avoid displaying stationary image for a long time.	_
There is an unlit or red, blue, green, or white dot on screen.	LCD display is made of very high precision technology. It has effective pixels of 99.99% or more, but there may be black dots or red, blue, or green dots that may be always on. This is not a failure.	_
There is an interference pattern or trace that remains when the LCD panel is pressed.	The symptom may be resolved by displaying a white or black image on the entire screen.	_
OSD menu cannot be used.	Check that "Protect Settings" is not set.	96
"Aspect Marker", " Safety Zone Marker " or "Area Marker" does not appear.	A channel with no signal, unsupported signal, or with "Input Configuration" not set may be selected. Check the signal.	101
The fan starts to rotate even when "Fan" under "Camera Link" is set to "On" or	The fan stays off for approx. 1 minute when an AC power supply is used. To keep the fan off for a longer period, use a DC power supply.	87
"Fan Stop" is set to "On".	When "Fan" under "Camera Link" is set to "On", the down time may not match the camera.	97
The fan does not stop even when "Fan" under "Camera Link" is set to "On" or	The fan does not stop if the internal temperature of the video display is high. Configure settings after the internal temperature has lowered.	87
"Fan Stop" is set to "On".	 The fan may not stop in some conditions, for example when used at a high temperature. Use the video display at the operating temperature (1102) or lower. 	97
You forgot the password for "Protect Settings".	• Press the jog dial and the 🖒 button while the video display is in standby. The configuration will be reset to the state where no password is set.	9
The video display does not start up in the condition that the power was turned off last time.	Check the "Power on Setting" on the OSD menu. Set "Last memory" to start up the video display in the condition that the power is turned off last time.	98
The image quality for the User mode in "Picture Mode" differs from the image quality of presets.	Select the preset mode by "Copy Picture Mode" and copy the settings.	56
Image quality on the left and right screens is different.	Check the "Channel Settings" → "Picture Mode" settings.	22 62
Image quality is automatically changed.		
The same image is displayed in two screens.	Check the "Channel Settings" → "Single Input Dual View" settings.	63

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Free software modules installed with this product

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- busybox
- glibc
- JFFS2

- SquashFS
- FUSE
- libfuse
- libupnp

- avahi-autoipd
- libxml
- zlib
- libpng

- Newlib(libc)
- Newlib(libm)
- wireless tools
- wpa_supplicant

- openssl
- libnl
- RealTek_WiFi_linux driver

- dhcpd
- hostapd

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- (a) repaired utilizing new or comparable refurbished parts, or
- (b) exchanged for refurbished or new Equipment

as determined in the Canon USA's repair facility's sole discretion. The repaired or exchanged Equipment will be shipped back free of charge. Warranty exchange or replacement does not extend the original warranty period of the Equipment. For repairs after the warranty period has expired, an estimate of the cost of repair and an opportunity to approve or reject the repair expense before it is incurred will be provided. If you approve, repairs will be made and the Equipment will be returned at your risk and expense. If you reject, the Equipment will be returned to you at no charge to you to an address within the United States.

This limited warranty only applies if the Equipment is used in conjunction with compatible computer equipment, compatible peripheral equipment and compatible software, as to which items Canon USA will have no responsibility. Canon USA shall have no responsibility under this limited warranty for use of the Equipment in conjunction with incompatible peripheral equipment and/or incompatible software. Non-Canon brand peripheral equipment and software which may be distributed with, or be factory loaded on, the Equipment, are sold 'AS IS' without warranty of any kind by Canon USA, including any implied warranty regarding merchantability or fitness for a particular purpose. The sole warranty with respect to such non-Canon brand items is given by the manufacturer or producer thereof. If the Equipment contains a hard disk drive, Canon USA recommends that data stored on that drive be duplicated or backed up to prevent its loss in the event of failure or other malfunction of such drive.

In order to obtain warranty service, please contact the authorized Canon retail dealer from whom you purchased the Equipment or contact the CANON INFORMATION CENTER AT **855-4K-CANON** (855-452-2666) or on the internet at **pro.usa.canon.com/support**. You will be directed to the nearest service facility for your Equipment.

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This limited warranty only applies if the Equipment is used in conjunction with compatible computer equipment, compatible peripheral equipment and compatible software, as to which items Canon Canada will have no responsibility. Canon Canada shall have no responsibility under this limited warranty for use of the Equipment in conjunction with incompatible computer equipment, peripheral equipment and/or incompatible software. Non-Canon brand peripheral equipment and software which may be distributed with, or be factory loaded on, the Equipment, are sold 'AS IS' without warranty or condition of any kind by Canon Canada, including any implied warranty or condition regarding merchantability or fitness for a particular purpose. The sole warranty with respect to such non-Canon brand items is given by the manufacturer or producer thereof. If the Equipment contains a hard disk drive, Canon Canada recommends that data stored on that drive be duplicated or backed up to prevent its loss in the event of failure or other malfunction of such drive.

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