



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.

English

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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. 84.

About this manual

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

Conventions used in this manual

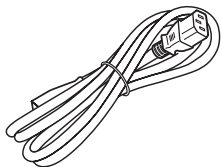
- : Indicates a reference page.
-  Note: Indicates a note.
-  Reference: Indicates reference information.
-  CAUTION: Indicates an item you must observe.

Trademarks

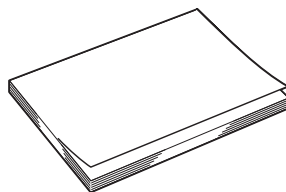
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- Apple and Safari are trademarks of Apple Inc. registered in the United States and other countries.
- Google and Google Chrome are trademarks or registered trademarks of Google LLC.
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Supplied Accessories

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.
- Separately-sold Display Controller CL-01 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

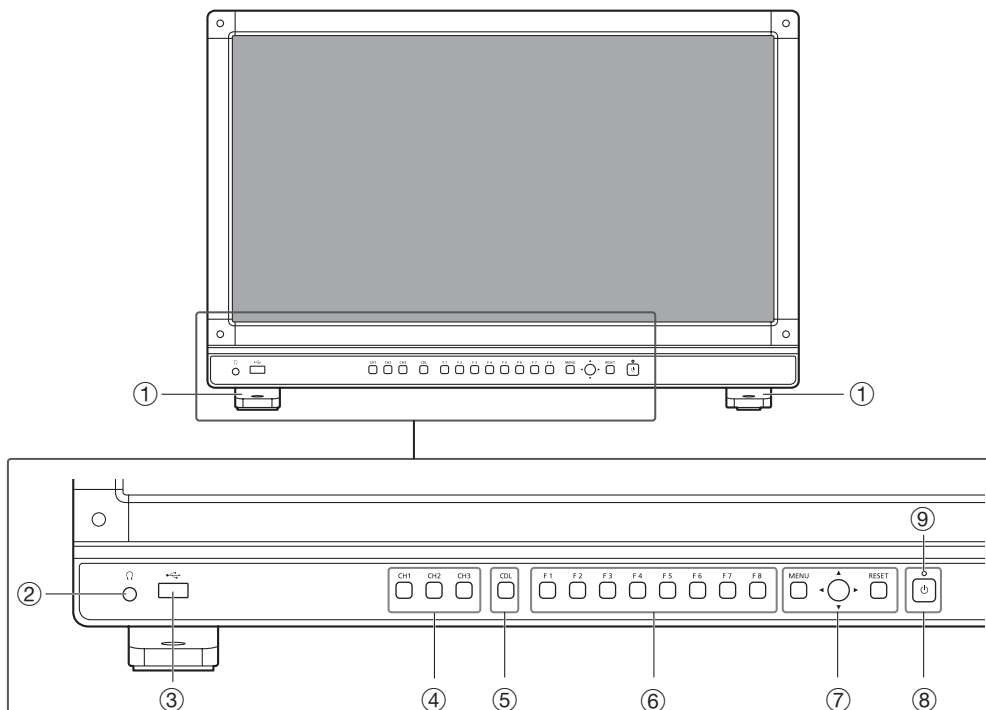
- Supports 4K RAW. Establishes 4K RAW workflow on ACES2065-1.
- CINEMA EOS SYSTEM link
- ARRI / Panasonic Camera System link

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.

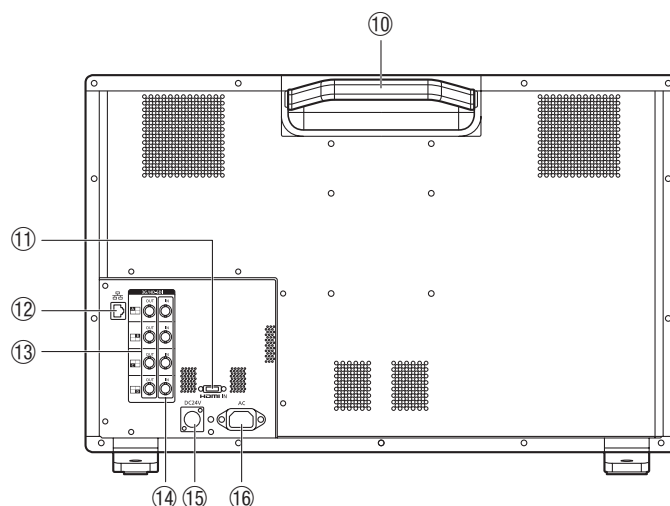
Nomenclature

■ Front face of the main unit



| | | | |
|---|--------------------|---|----|
| ① | Stand | There are two mounting positions. | 12 |
| ② | Headphone terminal | Connection for headphone set. | 64 |
| ③ | USB port | Connection for an external sensor for calibration (23), USB memory, HUB, color grading controller (Element-Tk made by Tangent Wave Ltd), or wireless LAN adapter (Wi-Fi adapter, 32). | – |
| ④ | CH1 to 3 buttons | Changes channel. | 29 |
| 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. | 28 |
| 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. | 18 |
| | RESET button | Resets the items to be adjusted using the slider and entered characters. | 18 |
| ⑧ | ⏻ (Power) button | Turns power On/Off. | 17 |
| ⑨ | 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)" (86). 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 |
| ⑪ | HDMI input terminal | Used to input HDMI signals. | 16 |
| ⑫ | LAN (10/100 BASE) terminal | Connection for a Display Controller CL-01 (separately sold) or other equipment. | — |
| 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. | 15 |
| ⑮ | DC power input terminal | Connection for DC power supply. | 17 |
| ⑯ | AC power input terminal | Connection for the provided AC power supply cord. | 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.

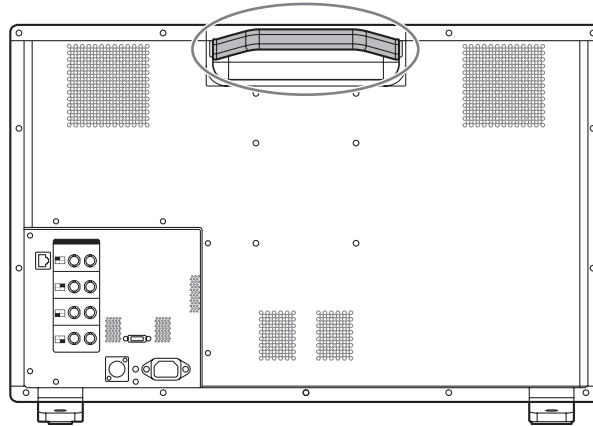
Note

- 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.

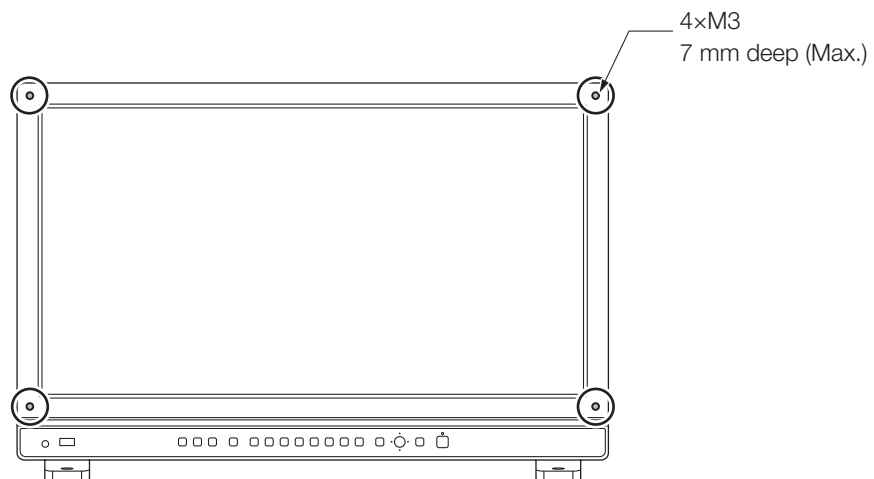
1. Unscrew the four screws on the front face.

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

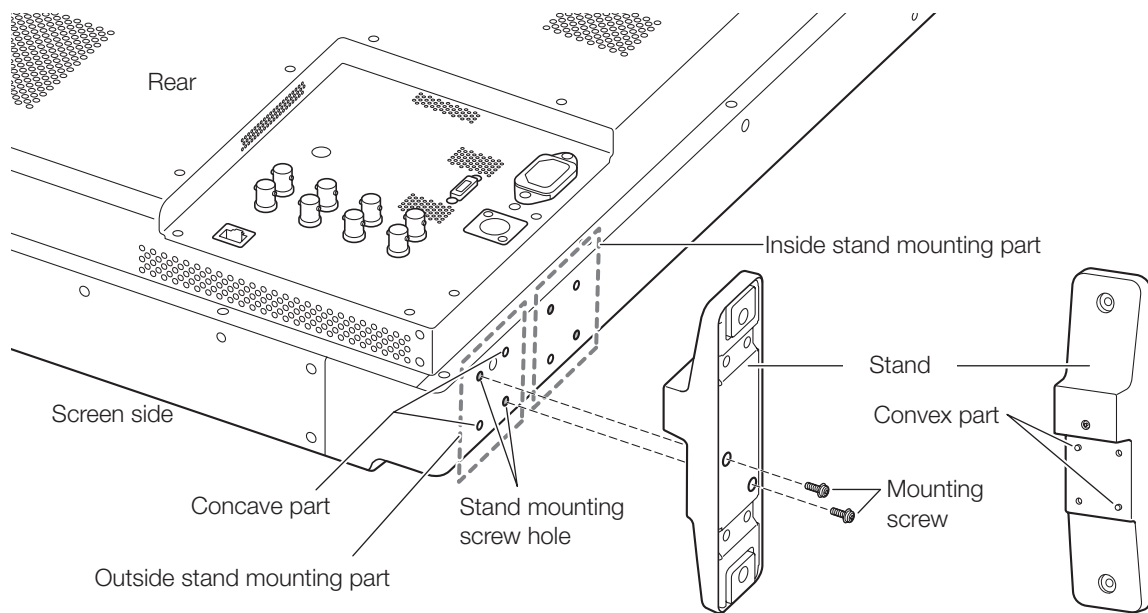
- Use a flat, clear surface when attaching/detaching the stand.
- The display can tip over if the stand has not been attached.
- Avoid touching the screen during this step as it may damage it.

■ 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.**
Align 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

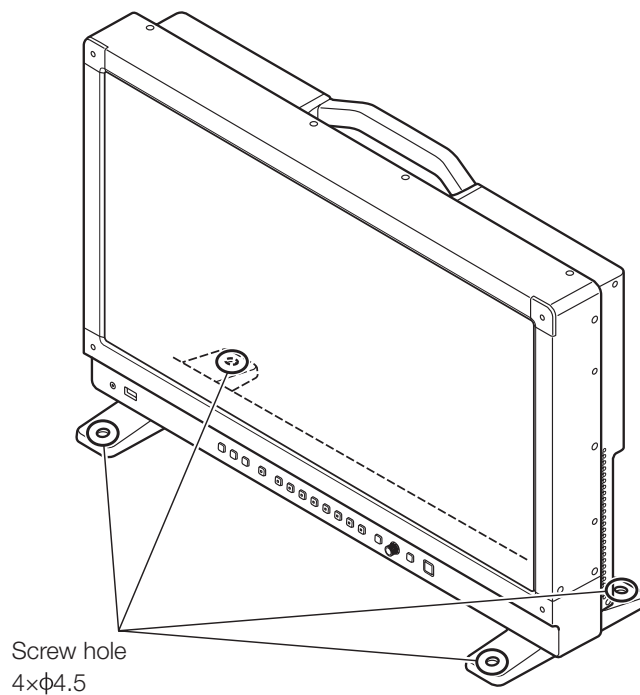
- It is recommended to mount both stands in either the outside or inside positions.

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 (📖 12).

Screws compatible with this main unit are M4 x 7 mm (VESA Standard 100 x 100 mm).

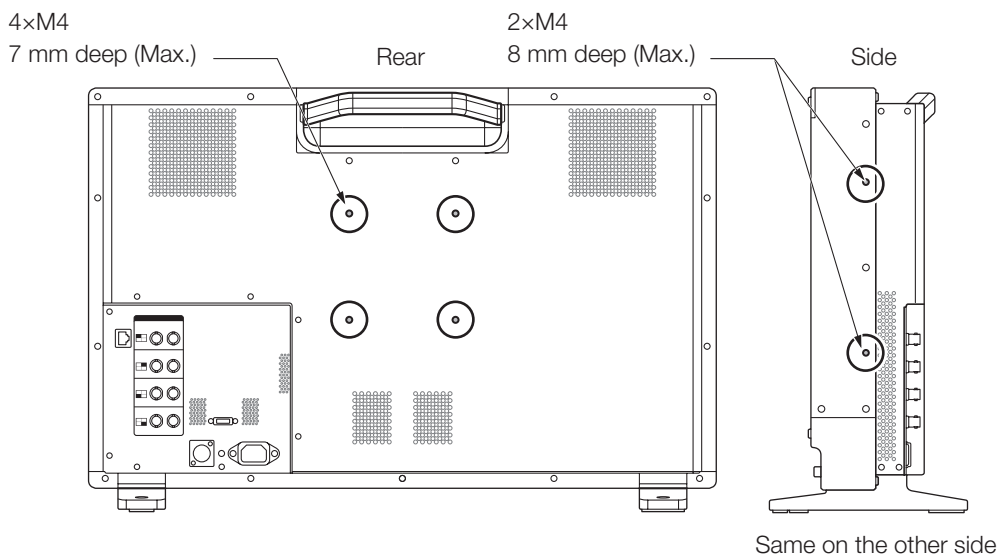
* Commercially available.

⚠ 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 (📖 94).

The screw hole size is shown below.



Connecting the Main Unit to Input Devices

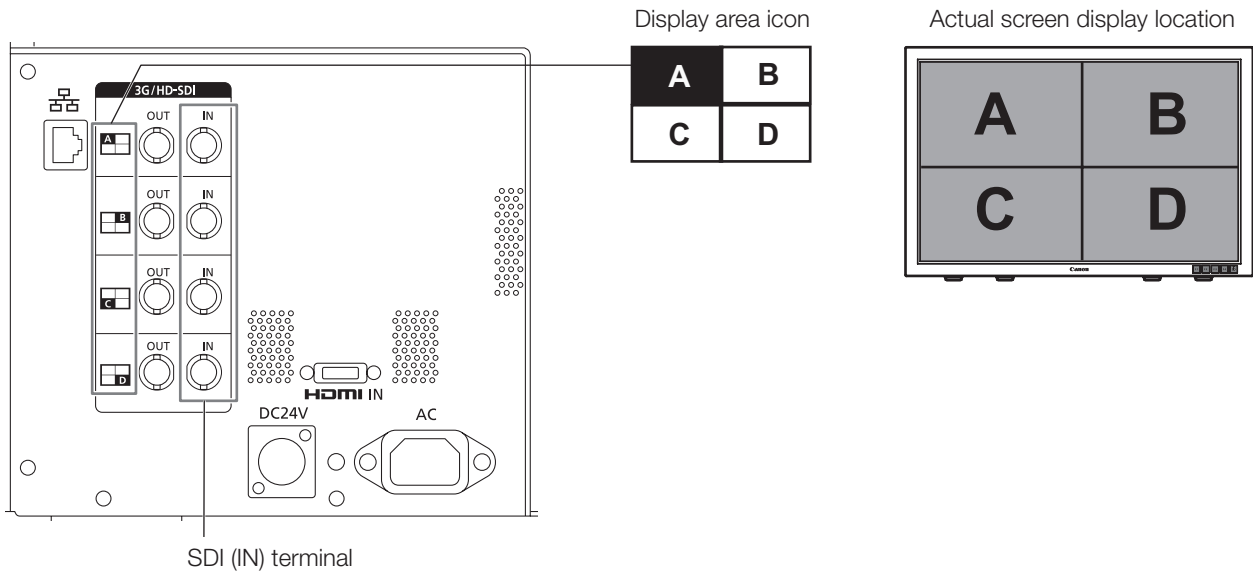
The video display has 3G/HD-SDI and HDMI input terminals to connect input devices.

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)



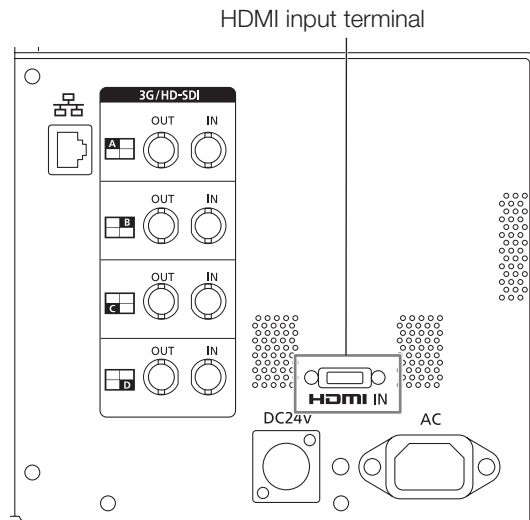
| | Input signal | | Input terminal | |
|-------------------------------------|--------------|------------------------------|-------------------------------------|---------------------|
| Quad Link (Square Division) | 3G/HD-SDI | Top left, Mapping signal | Input A | Single input system |
| | | Top right,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

* The signals are automatically switched when "Image Division" is set to "Automatic".

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

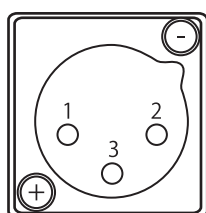
1. Plug the provided AC power cord HT-21 to the AC power supply input terminal at the rear.

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 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.

Note

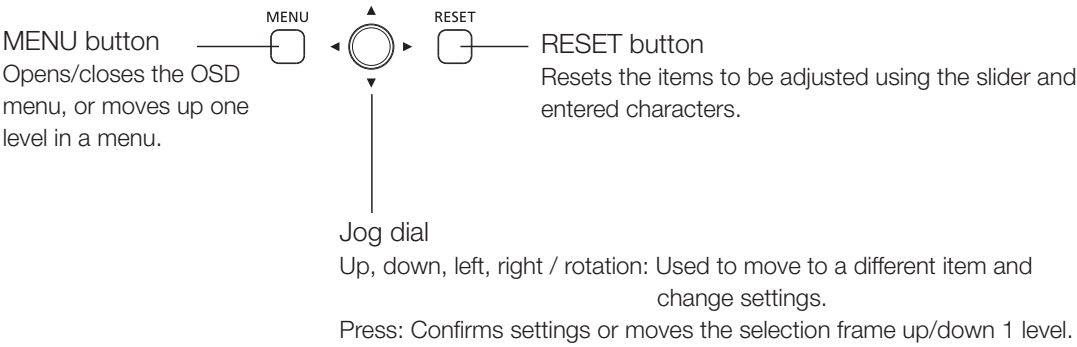
- Warming-up is necessary to stabilize the brightness of the video display. Wait at least 10 minutes after turning on the power before using.
- When an AC power supply is connected during the use of a DC power supply, the power source is switched to the AC power supply. When this happens, the power is 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

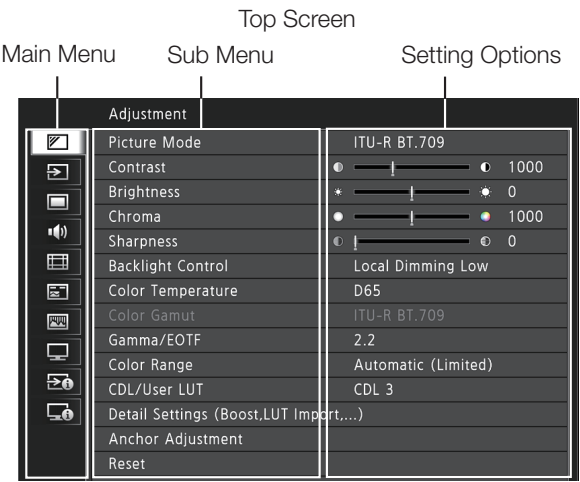
The procedures to operate the jog dial are described below.



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.

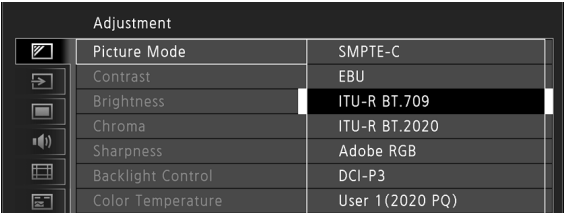
The selection frame moves to sub menu.

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.



| Adjustment | | |
|------------|-------------------|------------------|
| | Picture Mode | SMPTE-C |
| | Contrast | EBU |
| | Brightness | ITU-R BT.709 |
| | Chroma | ITU-R BT.2020 |
| | Sharpness | Adobe RGB |
| | Backlight Control | DCI-P3 |
| | Color Temperature | User 1 (2020 PQ) |

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.

Note

- 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.

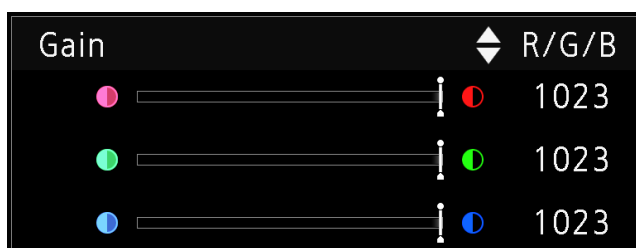
1. **Press the jog dial when the selection frame is on setting options.**
A slider appears at the bottom of the screen.
2. **Make adjustments using the jog dial with using the slider as guide.**
3. **When adjustments are completed, press the jog dial.**
The screen returns to the original OSD menu.



■ 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.

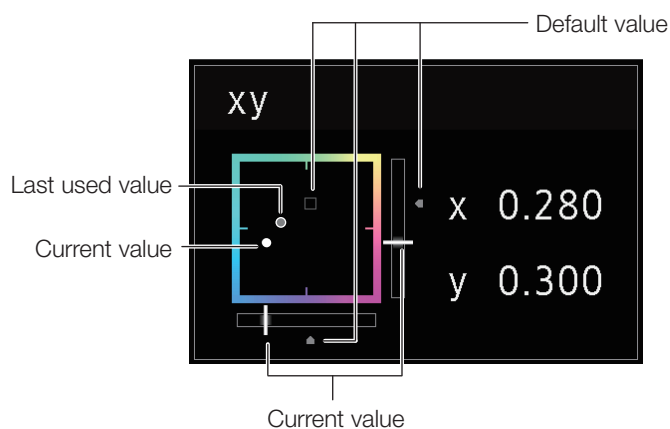
1. **Switch the guide in the upper right area of the slider screen using the jog dial (▲▼).**
The indication changes to "RGB", "R", "G", and "B".
2. **When adjustments are completed, press the jog dial.**
The screen returns to the original OSD menu.



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

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

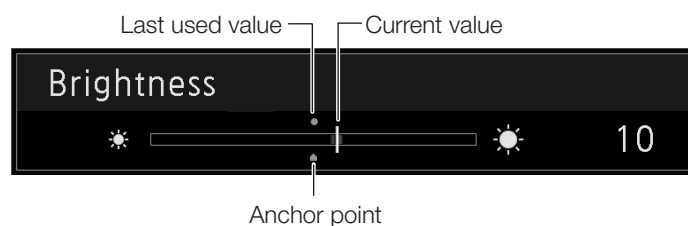
1. **Adjust "x" with the ◀▶ and "y" with ▲▼.**
The adjusted value is indicated by the "○" mark on the color map.
2. **When adjustments are completed, press the jog dial.**
The screen returns to the original OSD menu.



Temporarily Saving Parameters (Anchor Point Setting)

You can temporarily save parameters for "Contrast", "Brightness", "Chroma", "Sharpness", and "HDR Range" and recover the values. See [49](#) 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.



Note

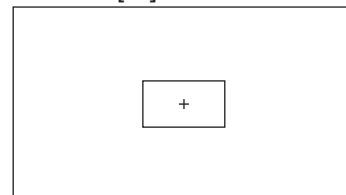
- Executing "Reset" under "Adjustment" or "Reset All Settings" under "System Settings" resets saved anchor points and the settings return to their factory default values.
- When calibration is performed in "User 1-7" under "Picture Mode", the values are saved as anchor points.

Enlarging the display (Zoom function) ([62](#))

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.

Zoom 2 [x4]



Note

- When magnifying the image and the OSD menu is not being displayed, you can set the magnification ratio by pressing the jog dial.
- When magnifying the image with the OSD menu closed, you can set the display position using the jog dial (▲▼◀▶).

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 (📖 57)

1. Press the MENU button to open the OSD menu.
2. Select "Channel Settings" → "Select Channel" using the jog dial.
Select the channel.
3. Select the "Channel Settings" → "Picture Mode" → "Type" using the jog dial.

Changing by individual video resolution (4K/2K)

- ① Select "4K/2K".
- ② Set "Picture Mode".

Changing according to video resolution (4K/2K) or metadata (SDI)

- ① Select "Automatic".
- ② Set "Picture Mode".

4. Press the jog dial to determine the selection.
The setting is confirmed.

■ Changing the image quality setting according to video metadata (HDMI) (📖 52)

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" → "Picture Mode" → "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" (📖 52) for the configurable settings.
5. Press the jog dial to determine the selection.
The setting is confirmed.

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" → "Picture Mode" → "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.

Note

- 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"  58)
 - When two screens are displaying different images ("Multi View (Dual)"  55)
 - The HDR (High Dynamic Range) and SDR (Standard Dynamic Range) displays can be tested side by side. ("HDR/SDR View"  51)

Target 

Calibration without a PC (51)

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" → "Detail Settings" → "Calibration"**.
Set each target value.

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

Please follow the information indicated on the screen.

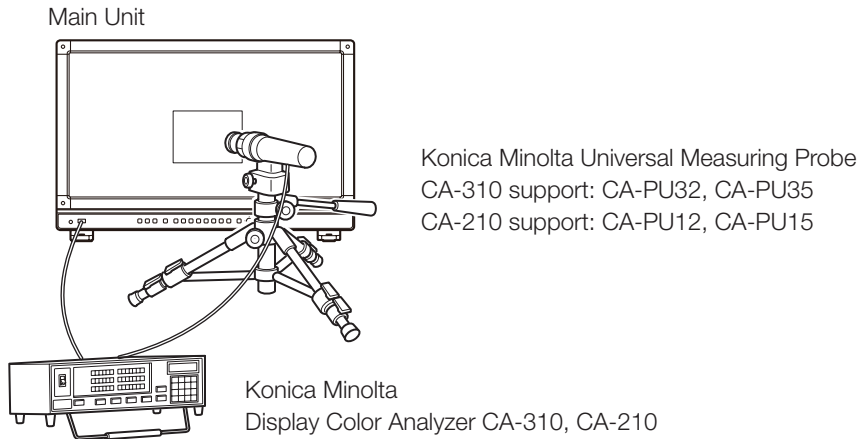
4. Initialize the sensor.

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. (112)
- To cancel calibration
Press the jog dial during calibration and select "Cancel". The main unit returns to the state before calibration.

Note

- 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

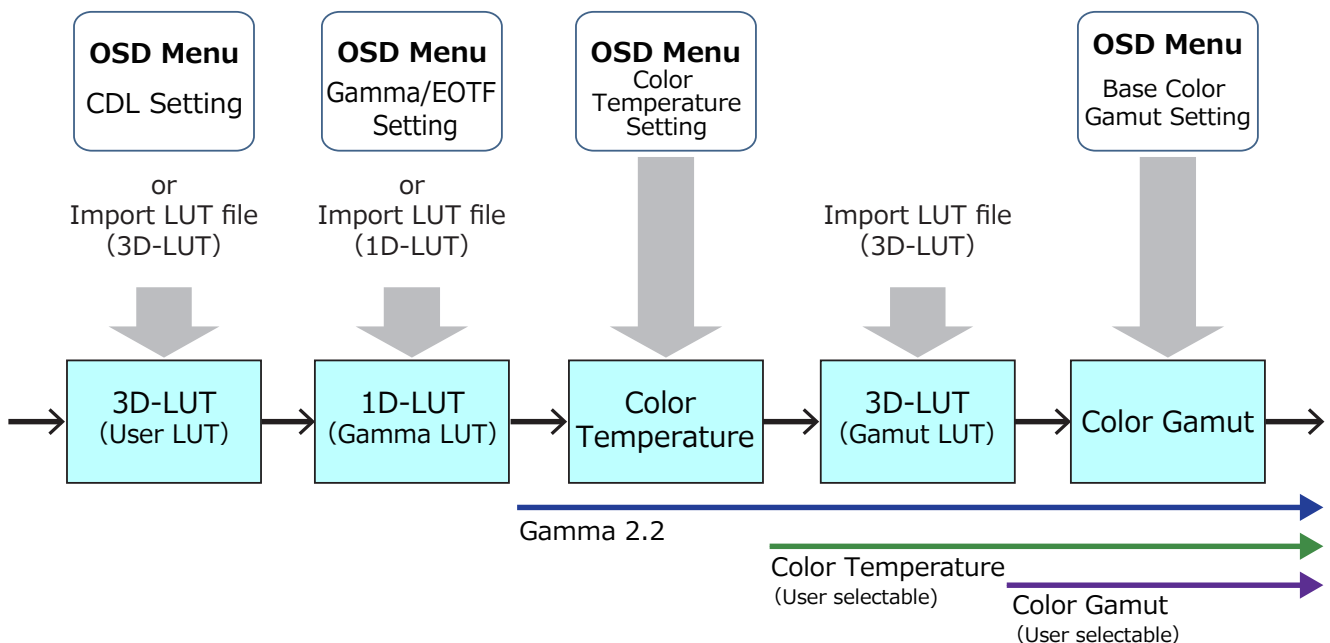
You can export/import LUT and CDL parameters as well as main menu settings. Insert a USB memory stick into the USB port of the main unit.

■ LUT Import (📖50)

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.

📌 Note

- 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 (📖50).



Concept Drawing of Display Image Processing and LUT

■ Export/Import Main Menu Settings (📖 88)

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" or "User 1-3".
Export "USB" to the USB memory and "User 1-3" to the built-in memory of the main unit.
- 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.
- 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.

Note

- After export to "User 1-3", you can select the configurations at startup from "User 1-3" in "Power on Setting" in "System Settings" (📖 88).

■ Exporting/Importing CDL Parameters (📖 49)

1. Press the MENU button to open the OSD menu.
2. Select "Adjustment" → "CDL/User LUT" → "Type" using the jog dial.
Select "CDL".
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 (📖 84)

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.

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 (◀▶).

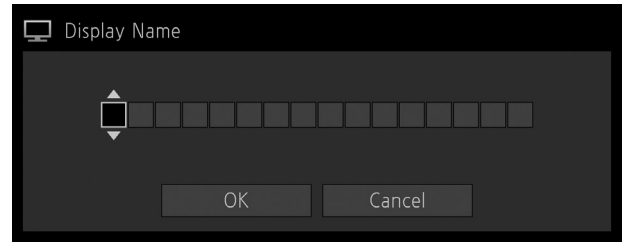
3. Select characters using the jog dial (▲▼ or rotation).

The following characters can be selected: Press ▲▼ buttons to display them one by one. You can input up to 16 characters.

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

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

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)" ( 84, 89) for the available functions.

5. Press the jog dial to determine the selection.

The setting is confirmed.

Reference

- Holding the F button down will display the function selection screen, and you can set the function you wish to register.
- Select "System Settings" → "OSD Settings" and set "Function Button Guide" to "On". Then, you can check the list of functions assigned to F buttons on the video display by pressing the jog dial while OSD is not displayed.

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" → "Function/Channel Button" → "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" (📖 55) 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 | CH1 | CH2 | CH3 |
|---|-------------------|--------------|-------------------|
| Input Configuration | 3G/HD-SDI | HDMI | 3G-SDI RAW |
| Select Input Signal | Automatic | Automatic | Automatic |
| Image Division | Automatic | Automatic | Automatic |
| Format | Automatic | Automatic | Automatic |
| Audio Input | Automatic | Automatic | Automatic |
| Marker/TC/WFM/VEC Input | Input A | Input A | Input A |
| Internal Sync | Off | Off | Off |
| Channel Name | (Blank) | (Blank) | (Blank) |
| Picture Mode → Type | Normal | Normal | Normal |
| Picture Mode Picture Mode L Picture Mode 4K | ITU-R BT.709 | ITU-R BT.709 | CINEMA EOS SYSTEM |
| Picture Mode R Picture Mode 2K | ITU-R BT.709 | | |
| Payload Colorimetry UHD | ITU-R BT.2020 | | |
| Payload Colorimetry 709 | ITU-R BT.709 | | |
| Payload Colorimetry VANC | — | | |
| Payload Colorimetry Unknown | — | | |
| Camera CINEMA EOS SYSTEM | CINEMA EOS SYSTEM | | |
| Camera ARRI | User 6 | | |
| Camera VARICAM | User 7 | | |
| Single Input Dual View | Off | Off | Off |
| 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.

 **Note**

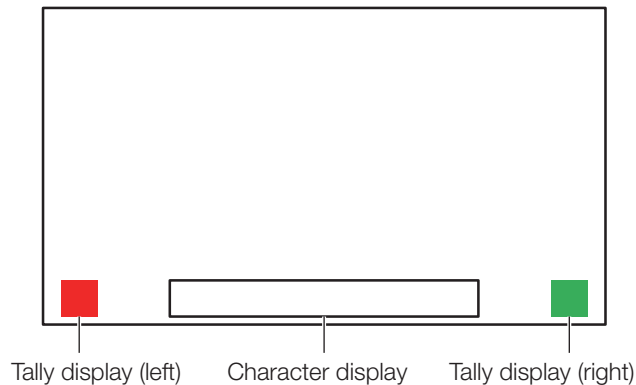
- You can select how the banner is displayed ("Banner"  86).
- For more detailed signal information, please refer to the section on "Signal Information" ( 91).
- The "Detecting sync." banner will continue to appear until the input signal is synchronized.

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 entered. The following characters can be entered.


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

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



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 "System Settings" → "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.

Note

- 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. ( 85)

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. Connections are made in the infrastructure mode (communication method for connecting to Wi-Fi via an access point).

- Network settings such as IP address and subnet mask are acquired automatically.
- Supported encryption schemes: WEP64(ASCII), WEP128(ASCII), WPA-TKIP, WPA-AES(CCMP), WPA2-TKIP, 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. 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. **Connecting the Wi-Fi adapter to the USB terminal.**
2. **Press the MENU button to open the OSD menu.**
3. **Select "System Settings" → "Network/IMD Settings" → "Wi-Fi", and press the jog dial to determine the selection.**
4. **Select "Control" → "On" using the jog dial.**
5. **Select "Access Point" using the jog dial.**
6. **Enter the password to connect to an access point (where required).**
 - Passwords up to 24 characters can be entered. The following characters can be entered.
Alphanumeric characters: A to Z, a to z, 0 to 9
Symbols: _

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 (32) 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.

1. **Connecting external control devices via the network.**
2. **Press the MENU button to open the OSD menu.**
3. **Select "System Settings" → "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.**
 - User ID and passwords up to 16 characters can be entered. The following characters can be entered.
Alphanumeric characters: A to Z, a to z, 0 to 9
Symbols: _
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.**

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.

■ Operation screen

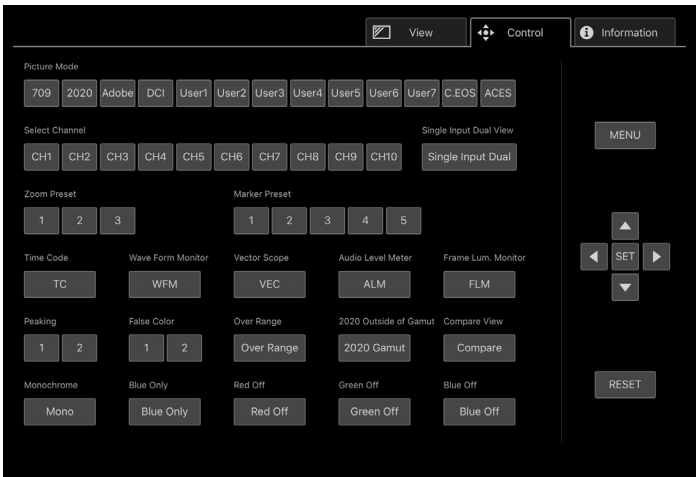
"View" screen

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).



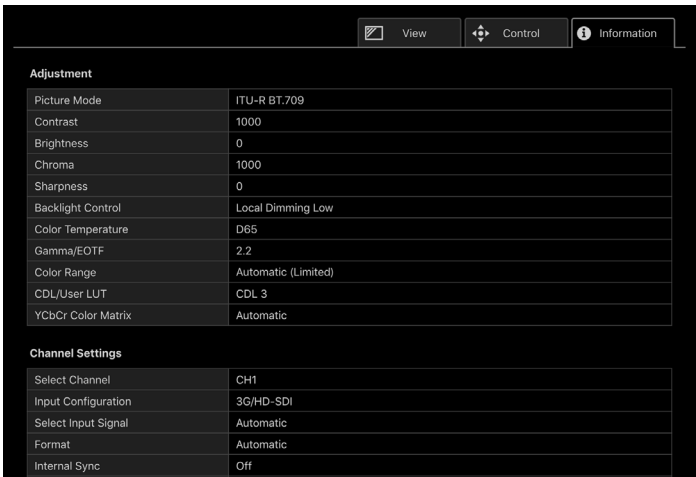
"Control" screen

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



"Information" screen

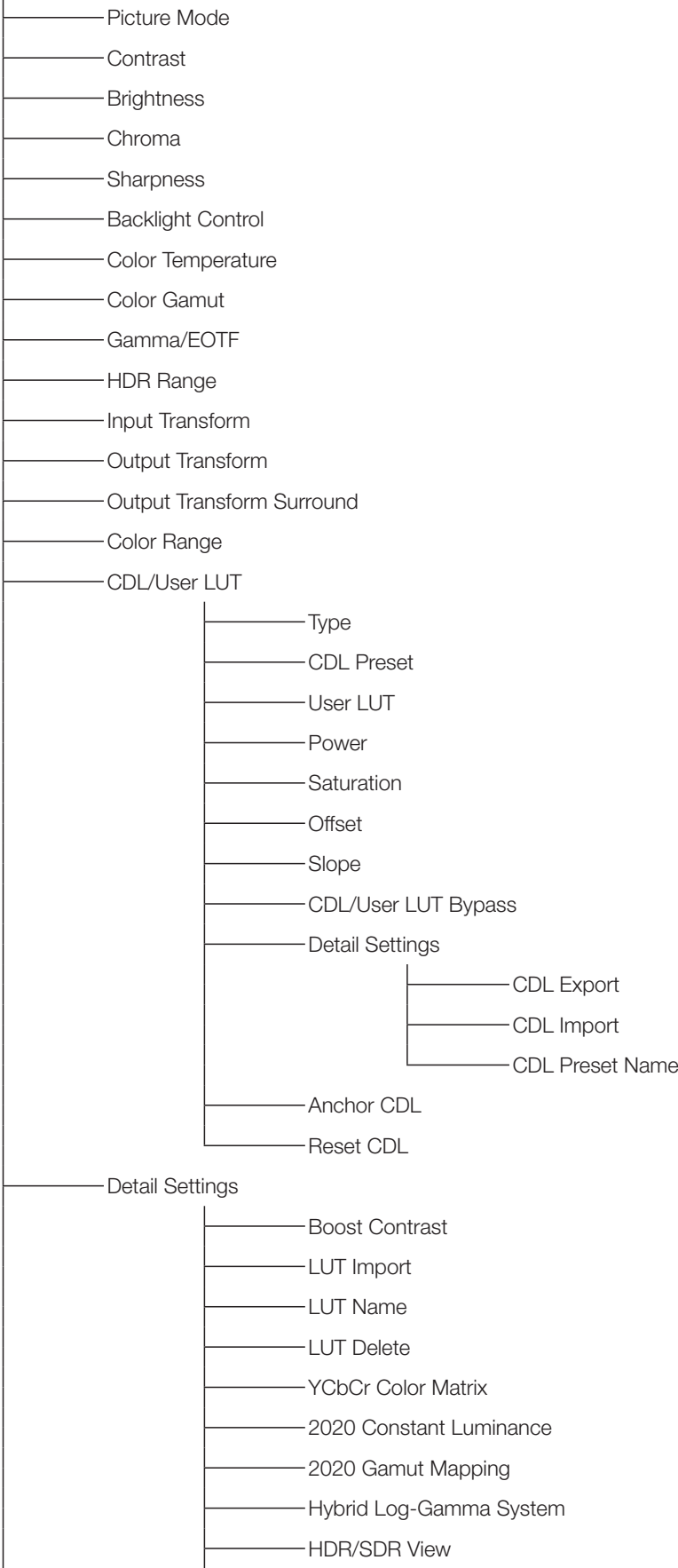
Displays the settings for "Adjustment" and "Channel Settings", and information for "Signal Information" and "System Information".

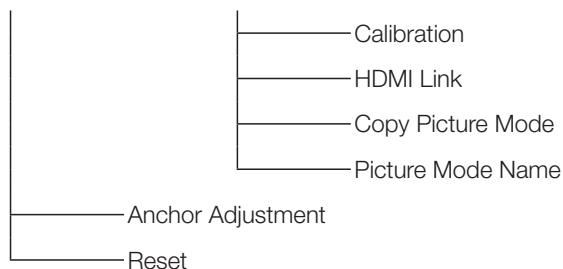


OSD Menu

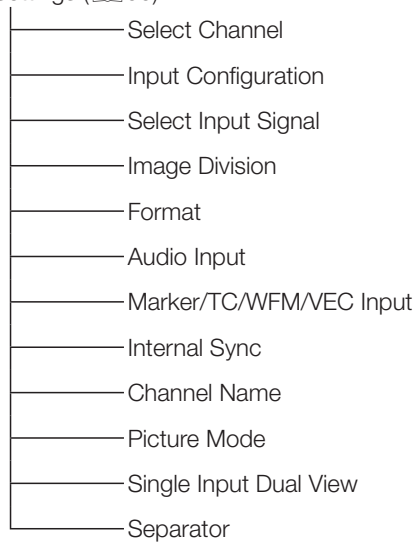
OSD Menu Index

Adjustment (📖 42)

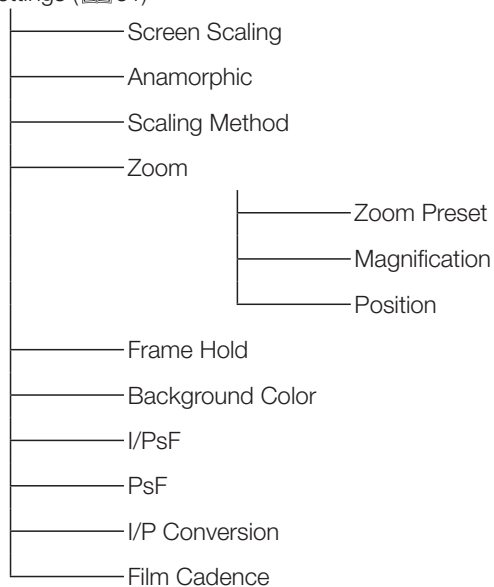




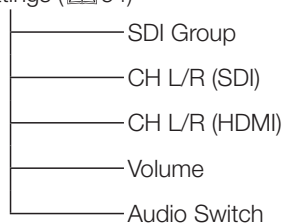
Channel Settings (📖 55)



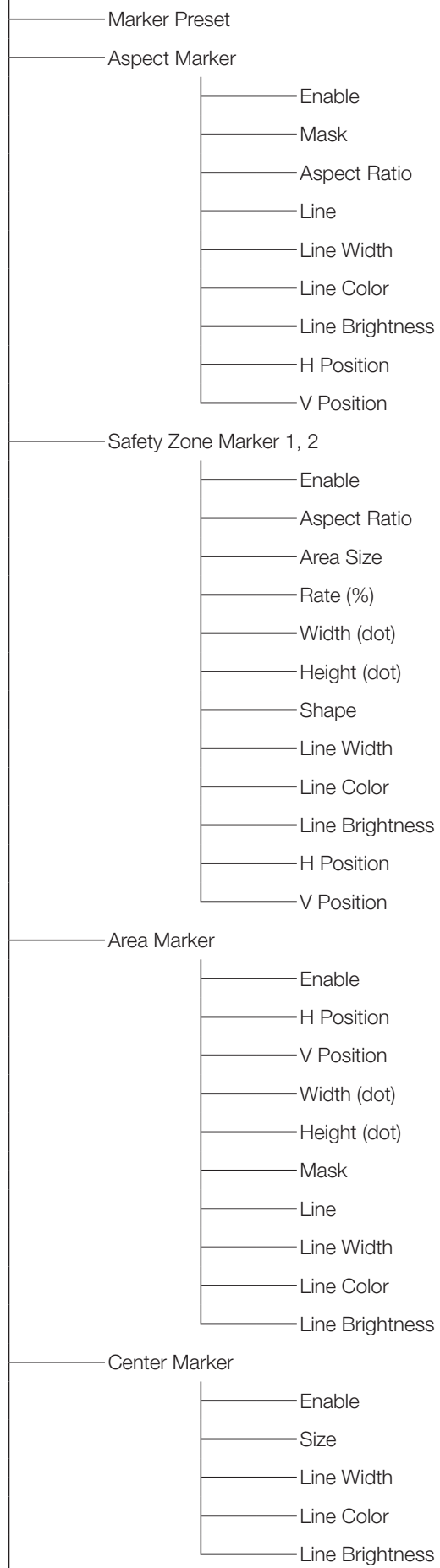
Display Settings (📖 61)

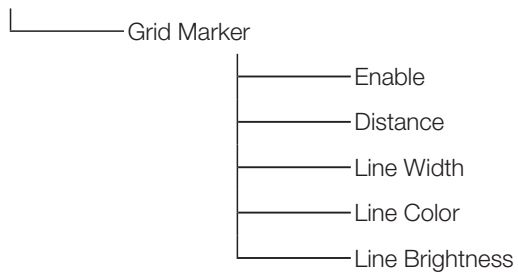


Audio Settings (📖 64)

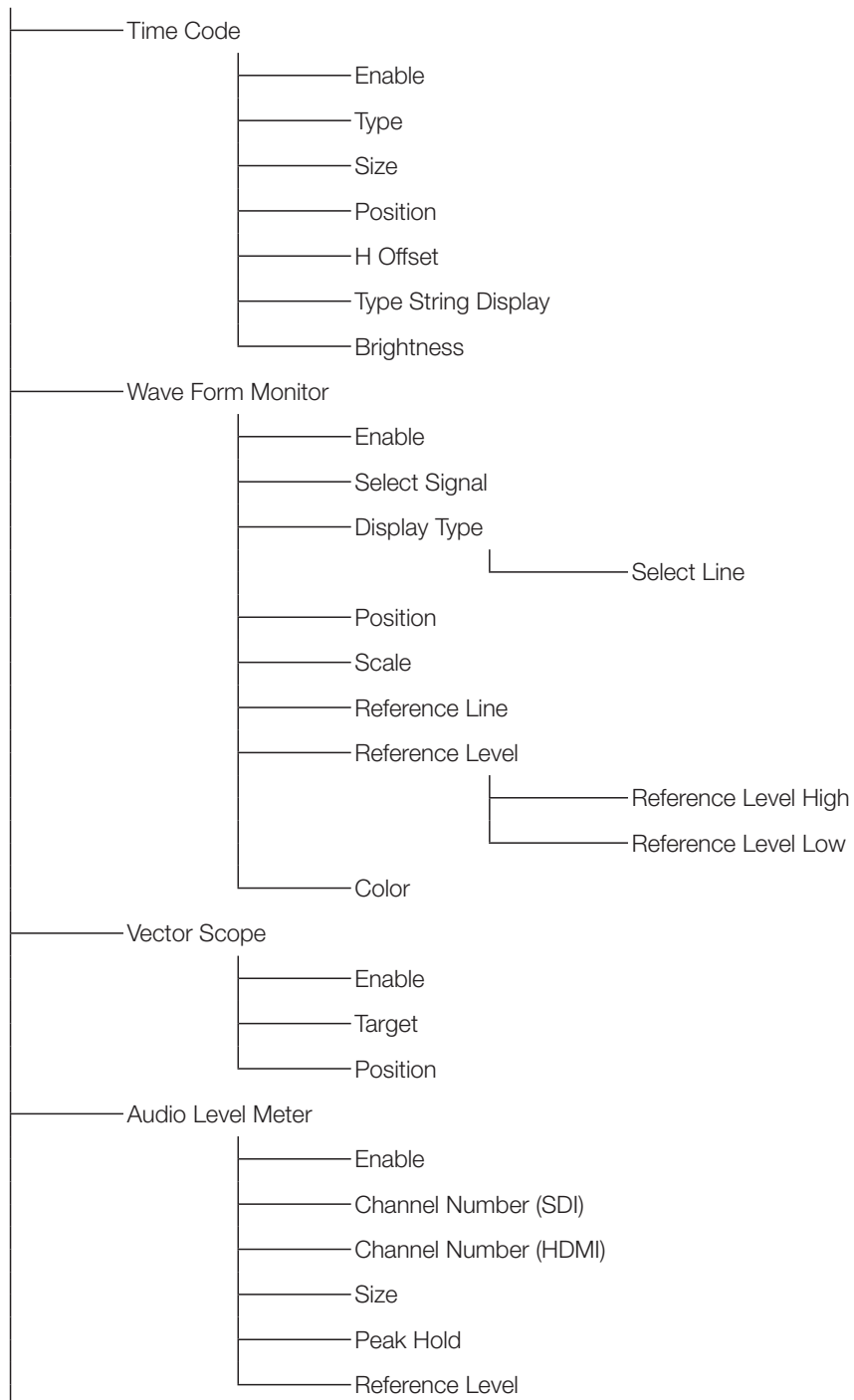


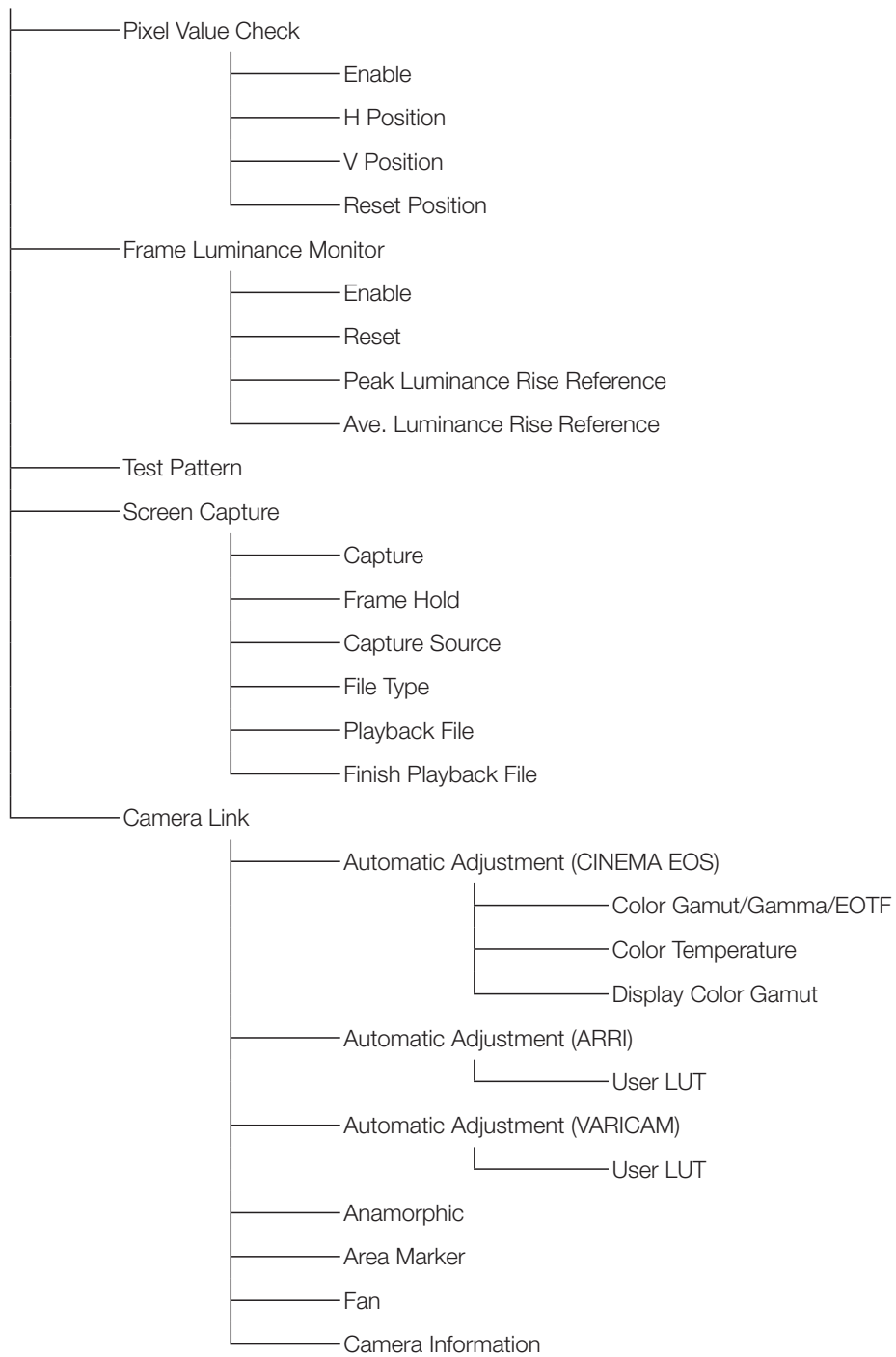
Marker Settings (📖 65)



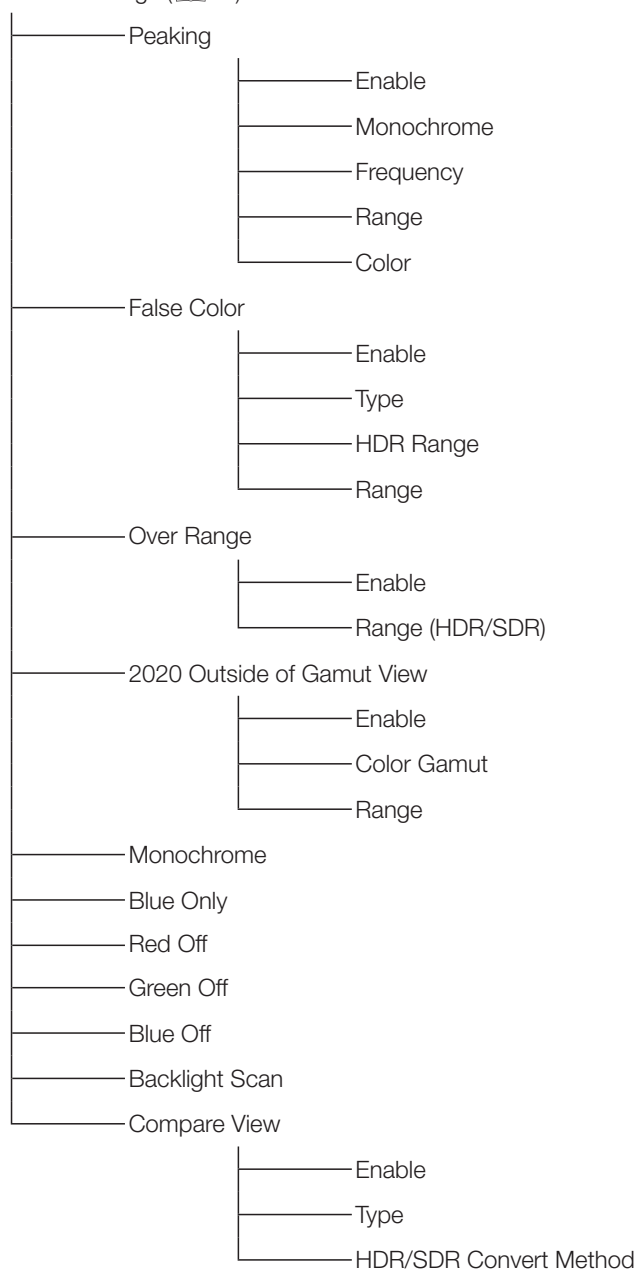


Function Settings (70)

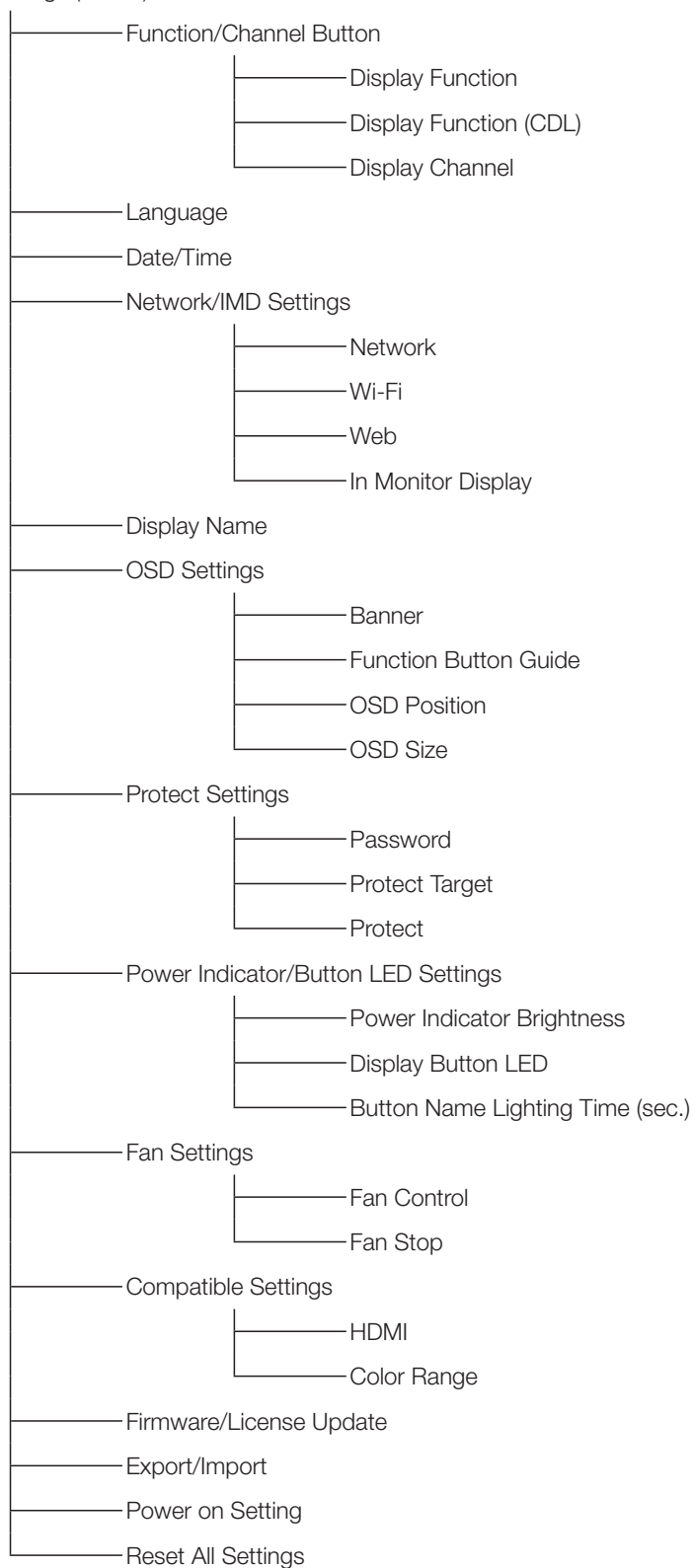




Picture Function Settings (📖 80)



System Settings (📖 84)








Signal Information (📖 91)





System Information (📖 91)

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. (📖 53)

| Item | Setting Options (<u>underline indicates factory default</u>) |
|--------------|---|
| Picture Mode | <p>Select a preset mode.</p> <p>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.</p> <p>User 1-7 (User 1 (2020 PQ), User 2 (2020 HLG), User 3 (DCI PQ), User 4 to User 7): Custom modes. Set each item of "Adjustment". You can change the mode name within 16 one-byte characters including alphabetical characters, numbers, and symbols (📖 52).</p> <p>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)" 📖 76).</p> <p>ACESproxy (Ver. 1.0.1): A mode to display ACESproxy videos in optimum gamma/EOTF and color gamut.</p> <p> Note</p> <ul style="list-style-type: none"> "ACESproxy (Ver. 1.0.1)" cannot be set when "Channel Settings" → "Picture Mode" → "Type" are "L/R", "4K/2K" or "Automatic". |
| Contrast | <p>Adjusts the white level of the image. (Increments of 1)</p> <p>0 to 1500</p> <p>❖ 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.</p> <p>1500 to 4000</p> <p> Note</p> <ul style="list-style-type: none"> 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 | <p>Adjusts the black level of the image. (Increments of 1)</p> <p>-500 to 500</p> |
| Chroma | <p>Adjusts the color saturation of the image (color depth). (Increments of 1)</p> <p>0 to 2000</p> <p> Note</p> <ul style="list-style-type: none"> You cannot adjust when "User LUT" in "CDL/User LUT" is selected. |
| Sharpness | <p>Adjusts the sharpness of the image. (Increments of 1)</p> <p>0 to 100</p> |

| Item | Setting Options (<u>underline indicates factory default</u>) |
|-------------------|---|
| Backlight Control | <p>Switches the backlight control method.</p> <p>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.</p> <p>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".</p> <p>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.</p> <p>Off: No backlight dimming is applied.</p> <p> Note</p> <ul style="list-style-type: none"> • 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 | <p>Sets the color temperature.</p> <p>D93, D65, D61, D60, D56, D50, DCI-P3: Select from preset color temperatures.</p> <p>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.</p> <p>Gain R/G/B, Bias R/G/B: Can be adjusted in increments of 1 when a preset color temperature is selected.</p> <p>Gain R/G/B: 0 to 1023</p> <p>Bias R/G/B: -500 to 500</p> <p>Custom (xy): You can adjust CIE x, y in increments of 0.001.</p> <p>x: 0.260 to 0.360</p> <p>y: 0.260 to 0.360</p> <p>Off: Color temperature is not set.</p> <p> Note</p> <ul style="list-style-type: none"> • "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 (<u>underline indicates factory default</u>) |
|-------------|--|
| Color Gamut | <p>Color gamut can be selected when "User 1-7" or "CINEMA EOS SYSTEM" is selected for "Picture Mode".</p> <p>SMPTE-C, EBU, ITU-R BT.709, ITU-R BT.2020, Adobe RGB, DCI-P3: Color gamut compliant to each standard.</p> <p>Native: Color gamut that can be displayed by this video display.</p> <p>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.</p> <p>Preset Gamut 1 to 709, Preset Gamut 1 to 2020, Preset Gamut 1 to DCI, Preset Gamut 2 to 709, Preset Gamut 2 to 2020, Preset Gamut 2 to DCI: Preset modes where the color gamut is converted.</p> <p>Gamut LUT 1 to Gamut LUT 8: Selects an external LUT.</p> <p> Note</p> <ul style="list-style-type: none"> For checking the video captured with Cinema EOS cameras, please refer to the "Parameter of Cinema EOS cameras and DP-V2410 ( 76)" in "Adjustment". |
| Gamma/EOTF | <p>Sets the Gamma/EOTF.</p> <p>1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886, Canon Log, Canon Log 2, Canon Log 3, Preset Log 1, Preset Log 2: Select the preset gamma.</p> <p>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.</p> <p>Gamma LUT 1 to Gamma LUT 8: Selects an external LUT.</p> <p>Off: Gamma is not set.</p> <p> Note</p> <ul style="list-style-type: none"> About "Hybrid Log-Gamma" <ul style="list-style-type: none"> This video display supports the following two methods. <ul style="list-style-type: none"> "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. Not settable in the following cases: <ul style="list-style-type: none"> When "ACESproxy (Ver. 1.0.1)" is selected in "Picture Mode" If other than "User LUT 1" to "User LUT 8" are selected for "User LUT" For checking the captured video with Cinema EOS cameras and ARRI / Panasonic cinema cameras, please refer to "Camera Link" → "Automatic Adjustment" ( 76). |


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, <u>2.2</u> , 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, <u>2.35</u> , 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, ITU-R BT.2020 | | Off, 1.0, <u>2.2</u> , 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), 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), Preset Log 1, Preset Log 2, Gamma LUT 1 to Gamma LUT 8 |
| Adobe RGB | | Off, 1.0, <u>2.2</u> , 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), Preset Log 1, Preset Log 2, Gamma LUT 1 to Gamma LUT 8 |
| CINEMA EOS SYSTEM, User 1-7 | SMPTE-C | Off, 1.0, <u>2.2</u> , 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, <u>2.35</u> , 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, ITU-R BT.2020 | Off, 1.0, <u>2.2</u> , 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), 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), Preset Log 1, Preset Log 2, Gamma LUT 1 to Gamma LUT 8 |
| | Adobe RGB | Off, 1.0, <u>2.2</u> , 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), Preset Log 1, Preset Log 2, 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, Cinema Gamut to 2020 | 2.2, Canon Log, Canon Log (HDR), Canon Log 2, <u>Canon Log 2 (HDR)</u> , Canon Log 3, Canon Log 3 (HDR) |
| | Cinema Gamut to DCI | Canon Log, Canon Log (HDR), Canon Log 2, <u>Canon Log 2 (HDR)</u> , Canon Log 3, Canon Log 3 (HDR) |
| | DCI-P3+ to 709, DCI-P3+ to DCI | Canon Log, <u>Canon Log (HDR)</u> |
| | Preset Gamut 1 to 709 Preset Gamut 1 to 2020 Preset Gamut 2 to 709 Preset Gamut 2 to 2020 | Off, 1.0, <u>2.2</u> , 2.35, 2.4, 2.6, ITU-R BT.1886, SMPTE ST 2084 (PQ), Hybrid Log-Gamma, Hybrid Log-Gamma RGB, Preset Log 1, Preset Log 2, Gamma LUT 1 to Gamma LUT 8 |
| | Preset Gamut 1 to DCI Preset Gamut 2 to DCI | Off, 1.0, 2.2, 2.35, 2.4, <u>2.6</u> , ITU-R BT.1886, SMPTE ST 2084 (PQ), Preset Log 1, Preset Log 2, 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 |




| Item | Setting Options (<u>underline indicates factory default</u>) |
|-----------|--|
| HDR Range | <p>Sets the display method when Gamma/EOTF for HDR display is selected.</p> <p>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 (<u>1000</u>)</p> <p>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". (51) Hybrid Log-Gamma: 100 to <u>1000</u> Hybrid Log-Gamma RGB: 100 to <u>1000/2000</u></p> <p>Canon Log (HDR): Sets the "Canon Log" dynamic range to be displayed, from 0 to 800%. (in 100 increments) 100 to <u>800</u></p> <p>Canon Log 2 (HDR): Sets the "Canon Log 2" dynamic range to be displayed, from 0 to 1600%. (in 100 increments) 100 to <u>1600</u></p> <p>Canon Log 3 (HDR): Sets the "Canon Log 3" dynamic range to be displayed, from 0 to 1600%. (in 100 increments) 100 to <u>1600</u></p> <p>Preset Log 1, Preset Log 2: Sets how far to display the "Preset Log" dynamic range. (in 100 increments) Preset Log 1: 100 to 1400 (<u>1000</u>) Preset Log 2: 100 to 3900 (<u>1000</u>)</p> <p>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 <u>1023</u></p> <p>❖ 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.</p> <p style="text-align: center;">Canon Log 800% signal (Contrast: 4000)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><u>Canon Log (HDR): Set to 800</u></p> <p>Canon Log range</p> <p>DP-V2410 range</p> <p>800% 400%</p> <p>Gradation is reproduced by assigning the range to the range of the DP-V2410 (which lowers the brightness).</p> </div> <div style="text-align: center;"> <p><u>Canon Log (HDR): Set to 400</u></p> <p>Canon Log range</p> <p>DP-V2410 range</p> <p>800% 400%</p> <p>Clip (Saturates gradation.)</p> <p>400% Brightness value corresponding to the contrast setting</p> </div> </div> |



| Item | Setting Options (underline indicates factory default) |
|---------------------------|--|
| Input Transform | <p>Sets whether or not to apply ACES Input Transform to "3G-SDI RAW" signals (📖 55) when "ACESproxy (Ver. 1.0.1)" is selected for "Picture Mode".</p> <p>Automatic: Applied automatically.</p> <p>Off: Not applied.</p> |
| Output Transform | <p>This is displayed instead of "Gamma/EOTF" and "Color Gamut" when "ACESproxy (Ver. 1.0.1)" is selected for "Picture Mode".</p> <p>ITU-R BT.709, ITU-R BT.2020, DCI-P3: ACESproxy is converted into respective mode.</p> |
| Output Transform Surround | <p>This is displayed instead of "Gamma/EOTF" and "Color Gamut" when "ACESproxy (Ver. 1.0.1)" is selected for "Picture Mode".</p> <p>Dim Surround: Enables Dim Surround process specified by ACESproxy.</p> <p>Dark Surround: Enables Dark Surround process specified by ACESproxy.</p> |

| Item | Setting Options (underline indicates factory default) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---------------------|-----------------------|--|--|--|---|--|--|--|---------------|-------------------|--------------|--------|------|---------------|-------------|--------|---------------------|----------------|--|------------|-----------------|-------------------|-------------------|--------------|--------------|-----------|---------|---------------------|-------------|-------------|----------------------|--|--------------------|
| Color Range | <p>Sets the quantization range.</p> <p>Automatic: Sets the range based on signal information automatically.</p> <p>When "Color Range" is set to "Normal" (📖 87)</p> <p>Full, SDI Full (4-1019), Limited</p> <p>When "Color Range" is set to "Compatible" (📖 87)</p> <p>Full (0-1023), SDI Full (4-1019), Limited 1 (64-940), Limited 2 (64-1023)</p> <p> Note</p> <ul style="list-style-type: none">Setting is disabled when "ACESproxy (Ver. 1.0.1)" is selected for "Picture Mode".Operations when "Automatic" is selected are described below.<ul style="list-style-type: none">It is set in accordance with the settings if Color Range settings are included in the camera metadata.When HDMI is selected, "Full" or "Limited" ("Full (0-1023)" or "Limited 1 (64-940)") is automatically set according to the HDMI signal information.When SDI is selected, the setting is configured according to the settings for Picture Mode, Color Gamut, and Gamma/EOTF. <table><tr><th></th><th>Setting Options</th><th colspan="2">Color Range to be Set</th></tr><tr><th></th><th></th><th colspan="2">"System Settings" → "Compatible Settings" → "Color Range"</th></tr><tr><th></th><th></th><th>When "Normal"</th><th>When "Compatible"</th></tr><tr><td>Picture Mode</td><td>DCI-P3</td><td rowspan="10">Full</td><td rowspan="10">Full (0-1023)</td></tr><tr><td rowspan="4">Color Gamut</td><td>DCI-P3</td></tr><tr><td>Cinema Gamut to DCI</td></tr><tr><td>DCI-P3+ to DCI</td></tr><tr><td></td></tr><tr><td rowspan="8">Gamma/EOTF</td><td>Canon Log (HDR)</td></tr><tr><td>Canon Log 2 (HDR)</td></tr><tr><td>Canon Log 3 (HDR)</td></tr><tr><td>Preset Log 1</td></tr><tr><td>Preset Log 2</td></tr><tr><td>Canon Log</td><td rowspan="3">Limited</td><td rowspan="3">Limited 2 (64-1023)</td></tr><tr><td>Canon Log 2</td></tr><tr><td>Canon Log 3</td></tr><tr><td colspan="2">Other than the above</td><td>Limited 1 (64-940)</td></tr></table> <ul style="list-style-type: none">Operations when "Format" is set to "ICtCp" are described below.<ul style="list-style-type: none">When "Color Range" is set to other than "Full", "Wave Form Monitor" will display only a signal set with "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.<ul style="list-style-type: none">When displaying a single terminal's input in full-screenWhen displaying "2 Sample Interleave" or "Dual Link 3G-SDI" signals | | Setting Options | Color Range to be Set | | | | "System Settings" → "Compatible Settings" → "Color Range" | | | | When "Normal" | When "Compatible" | Picture Mode | DCI-P3 | Full | Full (0-1023) | Color Gamut | DCI-P3 | Cinema Gamut to DCI | DCI-P3+ to DCI | | Gamma/EOTF | Canon Log (HDR) | Canon Log 2 (HDR) | Canon Log 3 (HDR) | Preset Log 1 | Preset Log 2 | Canon Log | Limited | Limited 2 (64-1023) | Canon Log 2 | Canon Log 3 | Other than the above | | Limited 1 (64-940) |
| | Setting Options | Color Range to be Set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | "System Settings" → "Compatible Settings" → "Color Range" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | When "Normal" | When "Compatible" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Picture Mode | DCI-P3 | Full | Full (0-1023) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Color Gamut | DCI-P3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Cinema Gamut to DCI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DCI-P3+ to DCI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gamma/EOTF | Canon Log (HDR) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Canon Log 2 (HDR) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Canon Log 3 (HDR) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Preset Log 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Preset Log 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Canon Log | Limited | Limited 2 (64-1023) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Canon Log 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Canon Log 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other than the above | | Limited 1 (64-940) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Item | Setting Options (underline indicates factory default) |
|--------------|---|
| CDL/User LUT | <p>Configures settings for CDL or User LUT.</p> <p>Type (CDL, User LUT, Off): Select the type.</p> <p>■ When "CDL" is selected</p> <p>CDL Preset: Select "CDL Preset."</p> <p>CDL 1 to CDL 15</p> <p>Power: Adjusts the Gamma of the image. (0.01 increments) 0.50 to 4.00 (1.00)</p> <p>Saturation: Adjusts the color saturation of the image. (0.001 increments) 0.000 to 2.000 (1.000)</p> <p>Offset: Adjusts the black level of the image. (0.001 increments) -1.000 to 1.000 (0.000)</p> <p>Slope: Adjusts the white level of the image. (0.001 increments) 0.000 to 2.000 (1.000)</p> <p>CDL/User LUT Bypass: When set to "On", you can temporarily disable the CDL adjustment result and return to previously set image quality. On, Off</p> <p>Detail Settings</p> <p>CDL Export: Exports CDL parameters. CDL Preset (CDL 1 to CDL 15, All), File Type (CCC, CDL), Execute</p> <p>CDL Import: Imports CDL parameters. Filename, CDL Preset (CDL 1 to CDL 15), Execute</p> <p>CDL Preset Name: You can specify the name of preset mode within 16 one-byte characters including alphabetical characters, numbers, and symbols.</p> <p>Anchor CDL: You can temporarily save parameters for "Power", "Saturation", "Offset", and "Slope" and recover the values. (anchor point setting)</p> <p>Reset CDL: Resets CDL parameters.</p> <p>■ When "User LUT" is selected</p> <p>User LUT: Sets external LUT, LUT presets for ARRI or Panasonic cinema cameras or LUT presets for HDR/SDR conversion. User LUT 1 to User LUT 8 When "Picture Mode" → "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</p> <p>CDL/User LUT Bypass: When set to "On", you can return to the image quality before user LUT was applied. On, Off</p> <p> Note</p> <ul style="list-style-type: none"> • When "User LUT" is selected, all "CDL" items, "Chroma", and "Blue Only" cannot be changed. • 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 | Setting Options (underline indicates factory default) | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|--------------------|-------------|------------|--------------------------|---------------|--------------------|---------------------------|---------------|------------------|--------------------------|--------------|-----|---------------------|---------------|-----|--------------------|--------------|---------------------|--------------|---|
| | <div><div><div><div>• Depending on the "User LUT" settings, "Color Gamut" and "Gamma/EOTF" will be the same as set below.</div><table><thead><tr><th>User LUT</th><th>Color Gamut</th><th>Gamma/EOTF</th></tr></thead><tbody><tr><td>ARRI (Rec2100-PQ-1K-100)</td><td>ITU-R BT.2020</td><td>SMPTE ST 2084 (PQ)</td></tr><tr><td>ARRI (Rec2100-HLG-1K-200)</td><td>ITU-R BT.2020</td><td>Hybrid Log-Gamma</td></tr><tr><td>VARICAM (V-Log to V-709)</td><td>ITU-R BT.709</td><td>2.2</td></tr><tr><td>2020 PQ to 2020 SDR</td><td>ITU-R BT.2020</td><td rowspan="2">2.4</td></tr><tr><td>2020 PQ to 709 SDR</td><td>ITU-R BT.709</td></tr><tr><td>2020 HLG to 709 HLG</td><td>ITU-R BT.709</td><td>—</td></tr></tbody></table></div></div></div> | 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 | 2.4 | 2020 PQ to 709 SDR | ITU-R BT.709 | 2020 HLG to 709 HLG | ITU-R BT.709 | — |
| 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 | 2.4 | | | | | | | | | | | | | | | | | | | |
| 2020 PQ to 709 SDR | ITU-R BT.709 | | | | | | | | | | | | | | | | | | | | |
| 2020 HLG to 709 HLG | ITU-R BT.709 | — | | | | | | | | | | | | | | | | | | | |
| Detail Settings | Sets details for Picture Mode. | | | | | | | | | | | | | | | | | | | | |
| Boost Contrast | <div><div><div><div>You can increase the brightness.</div><div>The upper limit for "Contrast" settings vary depending on the "Boost Contrast" settings.</div><div>On: The settings for "Contrast" are from 1500 to 4000.</div><div>Off: The settings for "Contrast" are from 0 to 1500.</div></div><div><div><div><div></div><div>Note</div></div><div><div>• It is not possible to set the function after selecting Picture Mode when the right screen is selected. The right screen's setting will be the same as set for the left screen.</div><div>• When "Off" is selected, "HDR/SDR View" also becomes "Off".</div></div></div></div></div></div> | | | | | | | | | | | | | | | | | | | | |
| LUT Import | <div><div><div><div>You can import LUT. File names that can be imported can be up to 48 one-byte characters, including alphabetical characters, numbers, and symbols (including file extensions).</div><div>Filename: Select a filename.</div><div>LUT Type (User LUT, Gamma LUT, Gamut LUT): Select the LUT type.</div><div>Select LUT: Selects User LUT/Gamma LUT/Gamut LUT 1-8.</div><div>Base Color Gamut (SMPTE-C, EBU, ITU-R BT.709, Adobe RGB, DCI-P3, Native): Selects the color gamut used when creating the LUT (when "Gamut LUT" under "LUT Type" is selected).</div><div>Execute: Performs import.</div></div></div></div> | | | | | | | | | | | | | | | | | | | | |
| LUT Name | <div><div><div><div>You can specify the name of LUT within one-byte 24 characters including alphabetical characters, numbers, and symbols.</div><div>LUT Type (User LUT, Gamma LUT, Gamut LUT): Select the LUT type.</div><div>Select LUT: Selects User LUT/Gamma LUT/Gamut LUT 1-8.</div><div>Input Name: Input the LUT name.</div></div></div></div> | | | | | | | | | | | | | | | | | | | | |
| LUT Delete | <div><div><div><div>Deletes imported LUT.</div><div>LUT Type (User LUT, Gamma LUT, Gamut LUT): Select the LUT type.</div><div>Select LUT: Selects User LUT/Gamma LUT/Gamut LUT 1-8.</div><div>Delete: Deletes LUT.</div></div></div></div> | | | | | | | | | | | | | | | | | | | | |
| YCbCr Color Matrix | <div><div><div><div>Sets the matrix conversion method for input signals in YCbCr format.</div><div>Automatic: Matrix coefficient is set in conformance with the ITU-R BT.2020 standard when the "Picture Mode" or "Color Gamut" setting is "ITU-R BT.2020" and in conformance with the ITU-R BT.709 standard otherwise.</div><div>ITU-R BT.709: Matrix coefficient is set in conformance with the ITU-R BT.709 standard.</div><div>ITU-R BT.2020: Matrix coefficient is set in conformance with the ITU-R BT.2020 standard.</div></div></div></div> | | | | | | | | | | | | | | | | | | | | |

| Item | Setting Options (<u>underline indicates factory default</u>) |
|-------------------------|--|
| 2020 Constant Luminance | <p>Sets the color matrix conversion method to be used when "ITU-R BT.2020" is selected for "Picture Mode" or "Color Gamut".</p> <p>Constant Luminance: YUV signals are linearly converted and then converted into RGB signals.</p> <p>Non-constant Luminance: YUV signals are converted into RGB signals without changing gamma 0.45.</p> <p> Note</p> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - When displaying a single terminal's input in full-screen - When displaying "2 Sample Interleave" or "Dual Link 3G-SDI" signals |
| 2020 Gamut Mapping | <p>Set this item when "ITU-R BT.2020" is selected for "Picture Mode" or "Color Gamut".</p> <p>Gamut Mapping: Mapping is performed on colors outside the native color gamut by Canon's unique method.</p> <p>Clipping: Colors outside the native color gamut are clipped by a general method.</p> |
| Hybrid Log-Gamma System | <p>Sets the system gamma or peak luminance when selecting "Hybrid Log-Gamma" or "Hybrid Log-Gamma RGB" in "Gamma/EOTF".</p> <p>■ When "Hybrid Log-Gamma" is selected Adjusts the system gamma. 1.000 to 1.500 (1.200, 0.005 increments)</p> <p>■ 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</p> |
| HDR/SDR View | <p>The HDR (High Dynamic Range) and SDR (Standard Dynamic Range) displays can be compared.</p> <p>On: "Contrast" in the screen on the right is adjusted to the brightness for SDR.</p> <p>Off: Does not compare the HDR and SDR display.</p> <p> Note</p> <ul style="list-style-type: none"> • 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". |
| Calibration | <p>Performs calibration based on set target values when "User 1-7" is selected for "Picture Mode".</p> <p>Luminance: Sets the target luminance. 48 to 150 (100) cd/m²</p> <p>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)</p> <p>Color Gamut: Sets the color gamut. SMPTE-C, EBU, ITU-R BT.709, ITU-R BT.2020, Adobe RGB, DCI-P3</p> <p>Gamma: Sets the target gamma. 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886</p> <p>Start: Performs calibration.</p> <p> Note</p> <ul style="list-style-type: none"> • 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 | | Setting Options (underline indicates factory default) | | | | | | | | | | | | | | | |
|-------------------|-------------------|--|-----------------------|--|-----------------------|-------------|--------|--------------|---------|---------------|------------|-----------------|-----|----|----|------------------|------------------|
| | HDMI Link | <p>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.</p> <p>Automatic Adjustment On, <u>Off</u></p> <p>Color Gamut/Gamma/EOTF: Matches the "Color Gamut" and "Gamma/EOTF" settings of the video display with the HDMI metadata. <u>On</u>, Off</p> <p>Contrast/HDR Range: Matches the "Contrast", "HDR Range", and "Boost Contrast" setting of the video display with the HDMI metadata. <u>On</u>, Off</p> <p> Note</p> <ul style="list-style-type: none">Parameter of HDMI metadata and Video Display <table><tr><th colspan="2">HDMI metadata</th><th>Video display setting</th></tr><tr><td rowspan="2">Color Gamut</td><td>BT.709</td><td>ITU-R BT.709</td></tr><tr><td>BT.2020</td><td>ITU-R BT.2020</td></tr><tr><td rowspan="3">Gamma/EOTF</td><td>Traditional SDR</td><td>2.2</td></tr><tr><td>PQ</td><td>PQ</td></tr><tr><td>Hybrid Log-Gamma</td><td>Hybrid Log-Gamma</td></tr></table> <ul style="list-style-type: none">Cannot set "HDMI Link" when "Channel Settings" → "Picture Mode" → "Type" is "L/R". | HDMI metadata | | Video display setting | Color Gamut | BT.709 | ITU-R BT.709 | BT.2020 | ITU-R BT.2020 | Gamma/EOTF | Traditional SDR | 2.2 | PQ | PQ | Hybrid Log-Gamma | Hybrid Log-Gamma |
| | HDMI metadata | | Video display setting | | | | | | | | | | | | | | |
| | Color Gamut | BT.709 | ITU-R BT.709 | | | | | | | | | | | | | | |
| BT.2020 | | ITU-R BT.2020 | | | | | | | | | | | | | | | |
| Gamma/EOTF | Traditional SDR | 2.2 | | | | | | | | | | | | | | | |
| | PQ | PQ | | | | | | | | | | | | | | | |
| | Hybrid Log-Gamma | Hybrid Log-Gamma | | | | | | | | | | | | | | | |
| | Copy Picture Mode | <p>When "User 1-7" is selected for "Picture Mode", the content of the selected picture mode is copied. The following modes can be selected:</p> <p>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)</p> <p>Execute: Performs copy.</p> <p> Note</p> <ul style="list-style-type: none">In "Picture Mode" other than "User 1-7", the results of calibration performed at the factory are copied. | | | | | | | | | | | | | | | |
| | Picture Mode Name | You can change the name of "User 1-7" within 16 characters including alphabetical characters, numbers, and symbols. | | | | | | | | | | | | | | | |
| Anchor Adjustment | | <p>Temporarily saves parameters for adjusting "Contrast", "Brightness", "Chroma", "Sharpness", and "HDR Range" and recover the values (anchor point setting).</p> <p>OK: Performs anchor point setting.</p> <p><u>Cancel</u>: Returns to the previous screen without setting anchor point.</p> | | | | | | | | | | | | | | | |
| Reset | | <p>Return "Picture Mode" to factory default. Note that in "User 1-7" mode where you are performing calibration, the setting returns to the value after calibration instead of the factory default. When selected, the message "Reset Adjustment settings to defaults?" appears.</p> <p>OK: Performs reset.</p> <p><u>Cancel</u>: Returns to the previous screen without resetting.</p> | | | | | | | | | | | | | | | |

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



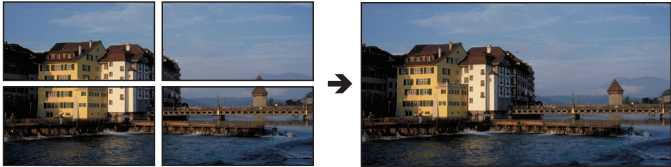
| Item | | SMPTE-C | EBU | ITU-R BT.709 | ITU-R BT.2020 | Adobe RGB | DCI-P3 |
|---------------------------|------------|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| Contrast | | 1000 | 1000 | 1000 | 1000 | 1000 | 480 |
| Brightness | | 0 | 0 | 0 | 0 | 0 | 0 |
| Chroma | | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Sharpness | | 0 | 0 | 0 | 0 | 0 | 0 |
| Backlight Control | | Local Dimming High | | | | | |
| Color Temperature | Preset | D65 | D65 | D65 | D65 | D65 | DCI-P3 |
| | x | 0.313 | 0.313 | 0.313 | 0.313 | 0.313 | 0.314 |
| | y | 0.329 | 0.329 | 0.329 | 0.329 | 0.329 | 0.351 |
| | Gain R/G/B | 1023/1023/1023 (When "D65 Custom": 1000/1023/1023) | | | | | |
| | Bias R/G/B | 0 | 0 | 0 | 0 | 0 | 0 |
| Gamma/EOTF | | 2.2 | 2.35 | 2.2 | 2.2 | 2.2 | 2.6 |
| Color Gamut | | SMPTE-C | EBU | ITU-R BT.709 | ITU-R BT.2020 | Adobe RGB | DCI-P3 |
| Color Range | | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| Input Transform | | – | – | – | – | – | – |
| Output Transform | | – | – | – | – | – | – |
| Output Transform Surround | | – | – | – | – | – | – |
| CDL Preset | | CDL 1 | CDL 2 | CDL 3 | CDL 4 | CDL 5 | CDL 6 |
| User LUT | | User LUT 1 | User LUT 1 | User LUT 1 | User LUT 1 | User LUT 1 | User LUT 1 |
| Boost Contrast | | Off | Off | Off | Off | Off | Off |
| YCbCr Color Matrix | | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| 2020 Constant Luminance | | Non-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 | Clipping |
| Hybrid Log-Gamma System | | When "Gamma/EOTF" → "Hybrid Log-Gamma": 1.200 When "Gamma/EOTF" → "Hybrid Log-Gamma RGB": $\gamma_{1.2-1000}$ cd/m ² | | | | | |
| 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 4-7 | CINEMA EOS SYSTEM | ACESproxy (Ver. 1.0.1) |
|---------------------------|------------|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| Contrast | | 4000 | 4000 | 4000 | 1000 | 4000 | 480 |
| Brightness | | 0 | 0 | 0 | 0 | 0 | 0 |
| Chroma | | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Sharpness | | 0 | 0 | 0 | 0 | 0 | 0 |
| Backlight Control | | Local Dimming High | | | | | |
| Color Temperature | Preset | D65 | D65 | DCI-P3 | D65 | D65 | D60 |
| | x | 0.313 | 0.313 | 0.314 | 0.313 | 0.313 | 0.322 |
| | y | 0.329 | 0.329 | 0.351 | 0.329 | 0.329 | 0.338 |
| | Gain R/G/B | 1023/1023/1023 (When "D65 Custom": 1000/1023/1023) | | | | | |
| | Bias R/G/B | 0 | 0 | 0 | 0 | 0 | 0 |
| Gamma/EOTF | | SMPTE ST 2084 (PQ) | Hybrid Log-Gamma | SMPTE ST 2084 (PQ) | 2.2 | Canon Log 2 (HDR) | – |
| Color Gamut | | ITU-R BT.2020 | ITU-R BT.2020 | DCI-P3 | ITU-R BT.709 | ITU-R BT.2020 | – |
| Color Range | | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| Input Transform | | – | – | – | – | – | Automatic |
| Output Transform | | – | – | – | – | – | DCI-P3 |
| Output Transform Surround | | – | – | – | – | – | Dark Surround |
| CDL Preset | | CDL 7 | CDL 8 | CDL 9 | CDL 10-13 | CDL 14 | CDL 15 |
| User LUT | | User LUT 1 | User LUT 1 | User LUT 1 | User LUT 1 | User LUT 1 | User LUT 1 |
| Boost Contrast | | On | On | On | Off | On | Off |
| YCbCr Color Matrix | | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| 2020 Constant Luminance | | Non-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 | Clipping |
| Hybrid Log-Gamma System | | When "Gamma/EOTF" → "Hybrid Log-Gamma": 1.200 When "Gamma/EOTF" → "Hybrid Log-Gamma RGB": $\gamma 1.2-1000 \text{ cd/m}^2$ | | | | | |
| HDR/SDR View | | On | On | On | Off | Off | Off |
| HDMI Link | | Off | Off | Off | Off | Off | Off |
| Picture Mode Name | | User 1 (2020 PQ) | User 2 (2020 HLG) | User 3 (DCI PQ) | – | – | – |


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 (📖95)

| Item | Setting Options |
|---------------------|---|
| Select Channel | <p>Display the channel number. In addition, you can assign each content of "Channel Settings" to each channel (📖29). CH1 to CH30</p> <p> Note</p> <ul style="list-style-type: none"> It may take 5 seconds when switching channels. |
| Input Configuration | <p>Select the input. Factory default depend on the channel (📖59). 3G/HD-SDI, 3G-SDI RAW, SD-SDI, HDMI, — (Not set)</p> |
| Select Input Signal | <p>Sets the signal display method (📖15). 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.</p> <p> Note</p> <ul style="list-style-type: none"> Settings that can be set differ according to the input signal. <ul style="list-style-type: none"> SD-SDI: Only "Single Input A" to "Single Input D" can be selected. HDMI: This is fixed to "Automatic". |
| Image Division | <p>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.</p> <p>■ "Quad Input"</p> <p>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.</p> <p>■ "Dual Input A,B" or "Dual Input C,D"</p> <p>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.</p> <div data-bbox="493 1619 1166 1785">  </div> <p>Select Input Signal: Quad Input, Image Division: Square Division</p> |

| Item | Setting Options |
|-------------------------|---|
| Format | <p>Sets the color format and gradation.</p> <p>■ 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 ICtCp 12-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</p> <p>■ HDMI Signal Automatic, 4:4:4 XYZ 12/10-bit</p> <p> Note</p> <ul style="list-style-type: none"> • HD-SDI signal is "4:2:2 YCbCr 10-bit" regardless of the setting. • "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. <ul style="list-style-type: none"> - "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 | <p>Sets the audio terminal. Terminals that can be selected differ according to the setting of "Select Input Signal."</p> <p>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.</p> <p> Note</p> <ul style="list-style-type: none"> • This setting is fixed at "Automatic" when "Select Input Signal" is "Automatic" or "Single Input". |
| Marker/TC/WFM/VEC Input | <p>In the "Multi View (Quad)" or "Multi View (Dual)" display, sets the target terminal so that various markers (except Grid Marker), Time Code, Wave Form Monitor, Vector Scope and Camera Information are displayed. (Wave Form Monitor and Camera Information is available in the "Multi View (Quad)" display only)</p> <p>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</p> <p> Note</p> <ul style="list-style-type: none"> • This setting becomes invalid except for the "Multi View (Quad)" or "Multi View (Dual)" display. |
| Internal Sync | <p>Sets whether to synchronize four inputs when "Square Division" is selected.</p> <p>On: Force synchronization. Off: Do not force synchronization.</p> |
| Channel Name | <p>Sets the name of the selected channel. You can input up to 16 alphanumeric characters.</p> |

| Item | Setting Options |
|-----------------------------|--|
| Picture Mode | Set "Picture Mode" by individual channel. |
| Type | <p>Normal: Set one "Picture Mode".</p> <p>Picture Mode</p> <p>L/R: Sets "Picture Mode" by individual left and right screen.</p> <p>Picture Mode L, Picture Mode R</p> <p>4K/2K: Sets "Picture Mode" by individual 4K or 2K signal screen.</p> <p>Picture Mode 4K, Picture Mode 2K</p> <p>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).</p> <p>Picture Mode 4K, Picture Mode 2K, Payload Colorimetry UHD, Payload Colorimetry 709, Payload Colorimetry VANC, Payload Colorimetry Unknown, Camera CINEMA EOS SYSTEM, Camera ARRI, Camera VARICAM</p> <p> Note</p> <ul style="list-style-type: none"> Settings that can be set differ according to the input signal. <ul style="list-style-type: none"> "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" → "L/R", setting the same "Picture Mode" for both left and right screens will change the "Picture Mode" in the non-selected screen to another mode. (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 | <p>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 to User 7, CINEMA EOS SYSTEM</p> <p>ACESproxy (Ver. 1.0.1): Can be set when "Type" is "Normal".</p> <p>— (Not set): Cannot automatically change image quality to suit input signal. Can be set when other than "Picture Mode 4K" and "Picture Mode 2K" are selected in "Type" → "Automatic".</p> <ul style="list-style-type: none"> Colorimetry Bit of the SDI Payload ID supports the signal in conformity with the following standard. <ul style="list-style-type: none"> SMPTE ST 425-3:2015 (3G-SDI Dual Link) SMPTE ST 425-5:2015 (3G-SDI Quad Link) |
| Picture Mode R | |
| Picture Mode 4K | |
| Picture Mode 2K | |
| Payload Colorimetry UHD | |
| Payload Colorimetry 709 | |
| Payload Colorimetry VANC | |
| Payload Colorimetry Unknown | |
| Camera CINEMA EOS SYSTEM | |
| Camera ARRI | |
| Camera VARICAM | |

| Item | Setting Options |
|------------------------|--|
| Single Input Dual View | <p>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.</p> <p>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.</p> <p>Relevant "Picture Function Settings" Sub Menu items: "Peaking", "False Color", "Over Range", "2020 Outside of Gamut View", "Monochrome", "Red Off", "Green Off", "Blue Off", and "Compare View"</p> <p>Off</p> <p> Note</p> <ul style="list-style-type: none"> • Cannot be used when unsupported video signal is input. |
| Separator | <p>In the following cases, screen borders will be displayed.</p> <ul style="list-style-type: none"> - 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" <p>White, Black, Off</p> |

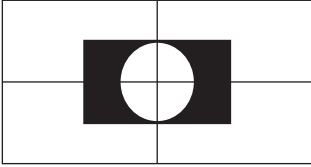
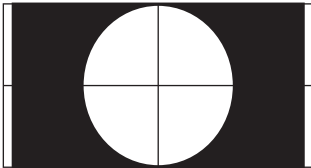
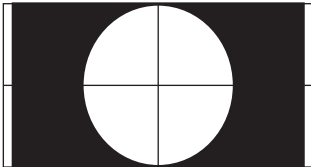


The factory default settings for each channel is shown in the following table.

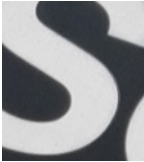
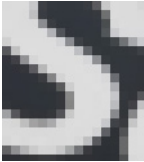


| CH | CH1 | CH2 | CH3 | CH4 | CH5 |
|---|-------------------|--------------|----------------------|---------------------|---------------------|
| Input Configuration | 3G/HD-SDI | HDMI | 3G-SDI RAW | 3G/HD-SDI | 3G/HD-SDI |
| Select Input Signal | Automatic | Automatic | Automatic | Automatic | Automatic |
| Image Division | Automatic | Automatic | Automatic | Automatic | Automatic |
| Format | Automatic | Automatic | Automatic | Automatic | Automatic |
| Audio Input | Automatic | Automatic | Automatic | Automatic | Automatic |
| Marker/TC/WFM/VEC Input | Input A | Input A | Input A | Input A | Input A |
| Internal Sync | Off | Off | Off | Off | Off |
| Channel Name | (Blank) | (Blank) | (Blank) | (Blank) | (Blank) |
| Picture Mode → Type | Normal | Normal | Normal | 4K/2K | L/R |
| Picture Mode Picture Mode L Picture Mode 4K | ITU-R BT.709 | ITU-R BT.709 | CINEMA EOS SYSTEM | User 1 (2020 PQ) | User 1 (2020 PQ) |
| Picture Mode R Picture Mode 2K | ITU-R BT.709 | | | | |
| Payload Colorimetry UHD | ITU-R BT.2020 | | | | |
| Payload Colorimetry 709 | ITU-R BT.709 | | | | |
| Payload Colorimetry VANC | — | | | | |
| Payload Colorimetry Unknown | — | | | | |
| Camera CINEMA EOS SYSTEM | CINEMA EOS SYSTEM | | | | |
| Camera ARRI | User 6 | | | | |
| Camera VARICAM | User 7 | | | | |
| Single Input Dual View | Off | Off | Off | Automatic | Off |
| Separator | Off | Off | Off | Off | White |




| CH | CH6 | CH7 | CH8 | CH9 | CH10 to CH30 |
|---|---------------------|----------------------|----------------------|----------------------|--------------|
| Input Configuration | 3G/HD-SDI | 3G/HD-SDI | 3G/HD-SDI | 3G/HD-SDI | — (Not set) |
| Select Input Signal | Automatic | Automatic | Automatic | Automatic | Automatic |
| Image Division | Automatic | Automatic | Automatic | Automatic | Automatic |
| Format | Automatic | Automatic | Automatic | Automatic | Automatic |
| Audio Input | Automatic | Automatic | Automatic | Automatic | Automatic |
| Marker/TC/WFM/VEC Input | Input A | Input A | Input A | Input A | Input A |
| Internal Sync | Off | Off | Off | Off | Off |
| Channel Name | (Blank) | (Blank) | (Blank) | (Blank) | (Blank) |
| Picture Mode → Type | L/R | 4K/2K | L/R | L/R | Normal |
| Picture Mode Picture Mode L Picture Mode 4K | User 1 (2020 PQ) | User 2 (2020 HLG) | User 2 (2020 HLG) | User 2 (2020 HLG) | ITU-R BT.709 |
| Picture Mode R Picture Mode 2K | ITU-R BT.709 | | | | |
| Payload Colorimetry UHD | ITU-R BT.2020 | | | | |
| Payload Colorimetry 709 | ITU-R BT.709 | | | | |
| Payload Colorimetry VANC | — | | | | |
| Payload Colorimetry Unknown | — | | | | |
| Camera CINEMA EOS SYSTEM | CINEMA EOS SYSTEM | | | | |
| Camera ARRI | User 6 | | | | |
| Camera VARICAM | User 7 | | | | |
| Single Input Dual View | Automatic | Automatic | Off | Automatic | Off |
| Separator | Off | Off | White | Off | Off |

Display Settings

This menu is used to configure the display method.

| Item | Setting Options (<u>underline indicates factory default</u>) |
|----------------|--|
| Screen Scaling | <p>Defines how the video is scaled and displayed on the screen.</p> <p>Native Input Resolution: Displays the input signal without scaling.</p> <div></div> <p>1920x1080 (original)</p> <p>200%: Doubles the vertical and horizontal dimensions.</p> <div></div> <p>1920x1080→3840x2160</p> <p>Automatic: Enlarges to full screen.</p> <div></div> <p>1920x1080→3840x2160</p> <p> Note</p> <ul style="list-style-type: none">• In the following cases, the maximum magnification is 200% even if "Automatic" is selected.<ul style="list-style-type: none">- When "Peaking", "False Color" or "Over Range" is "On" |
| Anamorphic | <p>Set when checking images photographed using an anamorphic lens. Displayed in accordance with the set magnification.</p> <p>x2.0, x1.5, x1.33, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none">• Settings are invalid in the following cases:<ul style="list-style-type: none">- When "Peaking", "False Color" or "Over Range" is set to "On" |

| Item | Setting Options (<u>underline indicates factory default</u>) |
|----------------|--|
| Scaling Method | <p>Sets the interpolation method when "Screen Scaling" is set to "200%" or "Automatic".</p> <p>Shape Trace: Canon original processing that produces smooth slopes with reduced jagged lines.</p>  <p>Bicubic: General interpolation process that uses neighboring pixel information to create interpolated pixels.</p>  <p>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.</p>  |
| Zoom | <p>Enlarges part of the video image. The zoom function can be used when the resolution is "4096x2160", "3840x2160", "2048x1080" or "1920x1080".</p> <p>Zoom Preset: Sets the zoom display method. There are three presets. Zoom 1, Zoom 2, Zoom 3, <u>Off</u></p> <p>Magnification: Sets the display scale of zoom. x2, x4, x8</p> <p>Position: The zoom adjustment screen is displayed. Use the jog dial to adjust the display position.</p> <p> Note</p> <ul style="list-style-type: none"> The zoom function cannot be used in the following cases: <ul style="list-style-type: none"> - 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 "L/R", and "2020 Constant Luminance" in one of the screens is "Constant Luminance" While the zoom function is in use, the following are not displayed: Background Color, various markers, Wave Form Monitor, Vector Scope, Pixel Value Check, Frame Luminance Monitor When zoom settings are changed, "Frame Hold" turns "Off". When the resolution is "2048x1080" or "1920x1080", the display position cannot be changed even if "Magnification" is set to "x2". When "Channel Settings" → "Picture Mode" → "Type" is "L/R", the left screen's "Picture Mode" setting is used. |

| Item | Setting Options (<u>underline indicates factory default</u>) |
|------------------|---|
| Frame Hold | <p>Pauses the video.</p> <p>On, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> 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 | <p>Sets the color of the black band to check the boundary of the black band and video image.</p> <p>White, Gray, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> Setting is disabled when "Multi View (Quad)" or "Multi View (Dual)" is selected. |
| I/PsF | <p>Defines how the interlace signal or PsF signal is displayed.</p> <p><u>Automatic</u>: Automatically determined based on payload and displayed. If there is no payload, the signal is displayed as an interlace signal.</p> <p>Interlace: Displayed as an interlace signal.</p> <p>PsF: Displayed as a PsF signal.</p> |
| PsF | <p>Defines how the PsF signal is displayed.</p> <p><u>Progressive</u>: Interpolates giving preference to image quality by detecting paired fields.</p> <p>Interlace: Interpolates using two adjacent fields giving priority to speed.</p> |
| I/P Conversion | <p>Sets the interlaced signal I/P conversion method.</p> <p><u>Image Priority</u>: This mode gives priority to image quality. Processing time will be longer than "Speed Priority".</p> <p>Speed Priority: This mode gives priority to speed.</p> |
| Film Cadence | <p>Sets the film cadence mode.</p> <p>2-2: Displays progressive image after conversion for 2-2 pulldown processed interlaced signal input.</p> <p>2-3: Displays progressive image after conversion for 2-3 pulldown processed interlaced signal input.</p> <p>2-3-3-2: Displays progressive image after conversion for 2-3-3-2 pulldown processed interlaced signal input.</p> <p><u>Off</u>: Does not perform film cadence mode progressive conversion.</p> <p> Note</p> <ul style="list-style-type: none"> 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.

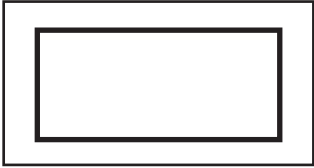


| Item | Setting Options (underline indicates factory default) |
|---------------|---|
| SDI Group | Switches the audio group to be input during SDI audio input. <u>CH1-CH8</u>, CH9-CH16 |
| CH L/R (SDI) | Sets the audio to be output from the two channels (L/R) of the headphone respectively. The options 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. <u>L R</u>, L, R, MIX (L+R) |



Marker Settings





This menu is used to configure various markers.

| Item | Setting Options (<u>underline</u> indicates factory default) |
|---------------|---|
| Marker Preset | Customizes markers which are assigned to markers 1 to 5. Marker 1 to 5 , Off |
| Aspect Marker | <p>"Aspect Marker" displays a range in accordance with the specified aspect ratio.</p>  <p> Note</p> <p>"Aspect Marker" is not displayed in the following cases:</p> <ul style="list-style-type: none"> • 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 aspect marker On, Off. On , Off |
| Mask | <p>Switches the mask color. Mask is the blanking area outside the range of the marker.</p> <p>Black:</p>  <p>Half (50% gray):</p>  <p>Off: Turns mask off.</p> |
| Aspect Ratio | <p>Sets the aspect ratio of the aspect marker.</p> <p>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</p> <p>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.</p> <p>1.00:1 to 3.00:1 (1.78:1)</p> |
| 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. <u>White</u>, Red, Green, Blue, Yellow, Cyan, Magenta, Gray |
| | Line Brightness | Sets the brightness of the aspect marker line. High, <u>Low</u>, Half |
| | H Position | Changes horizontal position without changing the aspect. -65 to <u>65 (0)</u> |
| | V Position | Changes vertical position without changing the aspect. -35 to <u>35 (0)</u> |
| Safety Zone Marker 1, 2 | | <p>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.</p>  <p> Note</p> <p>"Safety Zone Marker" is not displayed in the following cases:</p> <ul style="list-style-type: none"> • 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. <u>On</u>, Off |
| Aspect Ratio | | <p>Sets the aspect ratio of the safety zone marker. <u>16:9</u>, 15:9, 14:9, 13:9, 4:3, 2.39:1, 2.35:1, 1.896:1, 1.85:1, 1.66:1, Variable</p> <p>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 (<u>1.78:1</u>)</p> <p> Note</p> <ul style="list-style-type: none"> • When "Area Size" is set to "Variable (dot)", you cannot select "Aspect Ratio". |
| Area Size | | <p>Sets the safety zone marker area size. 80%, 88%, 90%, 93%, <u>Variable (%)</u>, Variable (dot)</p> <p>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.</p> |
| 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 (<u>80</u>) |
| 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 (<u>3276</u>) |
| 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 (<u>1728</u>) |





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

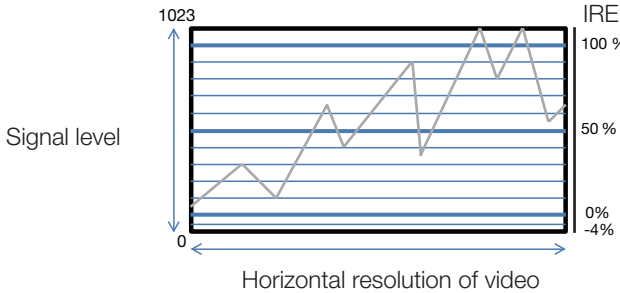
| Item | Setting Options (underline indicates factory default) |
|-----------------|---|
| Area Marker | <p>"Area Marker" is used to check a specific area using a rectangular box.</p>  <p> Note "Area Marker" is not displayed in the following cases:</p> <ul style="list-style-type: none"> • When there 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 area marker On, Off. On, <u>Off</u> |
| H Position | Sets the start position (x-coordinate) to draw the rectangle (in increments of 2). 0 to 4086 (<u>240</u>) |
| V Position | Sets the start position (y-coordinate) to draw the rectangle (in increments of 2). 0 to 2150 (<u>120</u>) |
| Width (dot) | Sets the width of the rectangle (in increments of 2). 10 to 4096 (<u>240</u>) |
| Height (dot) | Sets the height of the rectangle (in increments of 2). 10 to 2160 (<u>120</u>) |
| Mask | Switches the mask color (in the marker). Black, Half, <u>Off</u> |
| Line | Turns On/Off the outlines of the rectangular box. <u>On</u>, Off |
| Line Width | Sets the width of the area marker line. Thick, <u>Normal</u>, Thin |
| Line Color | Sets the color of the area marker line. <u>White</u>, Red, Green, Blue, Yellow, Cyan, Magenta, Gray |
| Line Brightness | Sets the brightness of the area marker line. High, <u>Low</u>, Half |

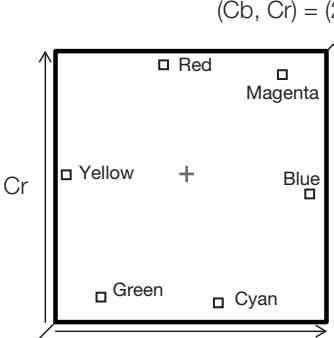
| Item | Setting Options (underline indicates factory default) |
|-----------------|---|
| Center Marker | <p>"Center Marker" shows the center of the image.</p>  <p> Note</p> <ul style="list-style-type: none"> "Center Marker" is not displayed when an enlarged image is displayed. |
| Enable | Switches the center marker On, Off. On, <u>Off</u> |
| Size | Sets the size of the center marker. Large, <u>Middle</u>, Small |
| Line Width | Sets the width of the center marker line. Thick, <u>Normal</u>, Thin |
| Line Color | Sets the color of the center marker line. <u>White</u>, Red, Green, Blue, Yellow, Cyan, Magenta, Gray |
| Line Brightness | Sets the brightness of the center marker line. High, <u>Low</u>, Half |
| Grid Marker | <p>"Grid Marker" is marker used to check the horizontal and vertical position.</p>  <p> Note</p> <ul style="list-style-type: none"> "Grid Marker" is not displayed when an enlarged image is displayed. |
| Enable | Switches the grid marker On, Off. On, <u>Off</u> |
| Distance | Sets the horizontal and vertical line distance. <u>160 dots</u>, 240 dots, 320 dots |
| Line Width | Sets the width of the grid marker line. Thick, <u>Normal</u>, Thin |
| Line Color | Sets the color of the grid marker line. <u>White</u>, Red, Green, Blue, Yellow, Cyan, Magenta, Gray |
| Line Brightness | Sets the brightness of the grid marker line. High, <u>Low</u>, Half |




Function Settings

This menu is used to set the display functions for the video signal information and functions to link with CINEMA EOS SYSTEM cameras and cinema cameras made by other manufacturers.



| Item | Setting Options (<u>underline indicates factory default</u>) |
|---------------------|---|
| Time Code | <p>Display the time code superimposed on the signal.</p>  <p> Note</p> <ul style="list-style-type: none"> Time Code cannot be displayed in the following cases: <ul style="list-style-type: none"> When "Frame Hold" is "On" During the execution of "Playback File" under "Screen Capture" When the location selected for "Time Code" and "Audio Level Meter" to be displayed is the same When "Test Pattern" is displayed When "Multi View (Dual)" is displayed, the "H Offset" setting is invalid. |
| Enable | <p>Switches the time code display On, Off. On, <u>Off</u></p> |
| Type | <p>Selects the type. <u>VITC</u>, LTC</p> <p> Note</p> <ul style="list-style-type: none"> This setting becomes invalid when HDMI signal is input and is fixed to "VITC". |
| Size | <p>Selects the size. Large, <u>Small</u></p> |
| Position | <p>Selects the display position. Top Left, Top Right, <u>Bottom Left</u>, Bottom Right</p> <p> Note</p> <ul style="list-style-type: none"> This setting becomes invalid in the "Multi View (Dual)" display. |
| H Offset | <p>Adjusts the display position of the time code. 0 to 1460 (<u>0</u>)</p> |
| Type String Display | <p>Sets display of VITC/LTC strings. <u>On</u>, Off</p> |
| Brightness | <p>Sets the Brightness of the strings. <u>Normal</u>, Half</p> |

| Item | Setting Options (<u>underline indicates factory default</u>) |
|-------------------|--|
| Wave Form Monitor | <p>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.</p>  <p>Note</p> <ul style="list-style-type: none"> Wave form monitor cannot be displayed in the following cases: <ul style="list-style-type: none"> When an enlarged image is displayed When "Frame Hold (during interlace signal or PsF signal)" is "On" When "Peaking 1" or "Peaking 2" is selected During execution of "Playback File" under "Screen Capture" While "Test Pattern" is displayed Only the signal set by "Marker/TC/WFM/VEC Input" is displayed in the "Multi View (Quad)" or "Multi View (Dual)" display. When "Wave Form Monitor" is set to "On", "Vector Scope" turns "Off". When "Scale" → "Automatic" is selected: If "Channel Settings" → "Picture Mode" → "Type" is "L/R", the scales for "Gamma/EOTF" and "Color Range" in the left screen will be displayed. When displayed as "Multi View (Quad)" or "Multi View (Dual)": The scales for "Gamma" and "Color Range" for the terminal set in "Marker/TC/WFM/VEC Input" in "Channel Settings" will be displayed. |
| Enable | <p>Switches the wave form monitor On, Off. On, Off</p> |
| Select Signal | <p>Sets the waveform to be displayed. Y, Cb, Cr, R, G, B</p> |
| Display Type | <p>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</p> |
| Position | <p>Selects the display position. Bottom Left, Bottom Right</p> <p>Note</p> <ul style="list-style-type: none"> This setting becomes invalid in the "Multi View (Dual)" display. |
| Scale | <p>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, Preset Log 1, Preset Log 2, ARRI (Rec2100-PQ-1K-100), ARRI (Rec2100-HLG-1K-200): Select the scale.</p> |
| Reference Line | <p>A guide is displayed at the specified position. "Reference Line" is not displayed when "1023" is selected. 4 to 1023</p> |

| Item | | Setting Options (<u>underline indicates factory default</u>) |
|--------------|-----------------|---|
| | Reference Level | <p>Sets the range of the reference level. Tints the outside of the range of the reference level.</p> <ul style="list-style-type: none"> • In the case of "Gamma/EOTF" corresponding to the HDR range, parts that exceed the HDR range are tinted. • When "Color Range" → "Limited", outside the limited range is tinted. <p>Automatic: Sets in accordance with the "Gamma/EOTF" and "Color Range" settings.</p> <p>Manual: When you select "Manual", sets the reference level.</p> <p>Reference Level High: Sets the reference display level (high). "Reference Level High" is not displayed when "1023" is selected. 468 to 1023</p> <p>Reference Level Low: Sets the reference display level (low). "Reference Level Low" is not displayed when "0" is selected. 0 to 468</p> |
| | Color | <p>Sets the signals to be displayed and the color of signals exceeding the reference level.</p> <p>Y, Cb, Cr, R, G, B: Selects the signal. Selects the color of the selected signal.</p> <p>White, Red, Green, Blue, Yellow, Cyan, Magenta Default value of each signal is shown below. Y (<u>White</u>), Cb (<u>White</u>), Cr (<u>White</u>), R (<u>Red</u>), G (<u>Green</u>), B (<u>Blue</u>)</p> <p>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 (<u>Magenta</u>), Reference Level Low (<u>Cyan</u>)</p> |
| Vector Scope | | <p>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.</p> <div style="text-align: center;">  </div> <p>Note</p> <ul style="list-style-type: none"> • Vector scope cannot be displayed in the following cases: <ul style="list-style-type: none"> - When an enlarged image is displayed - When "Frame Hold (during interlace signal or PsF signal)" or "False Color" is "On" - When "Peaking 1" or "Peaking 2" is selected - During execution of "Playback File" under "Screen Capture" - While "Test Pattern" is displayed • Only the signal set by "Marker/TC/WFM/VEC Input" is displayed in the "Multi View (Quad)" or "Multi View (Dual)" display. • When "Vector Scope" is set to "On", "Wave Form Monitor" turns "Off". |
| | Enable | <p>Switches the vector scope On, Off.</p> <p>On, <u>Off</u></p> |


| Item | | Setting Options (underline indicates factory default) |
|-------------------|-----------------------|---|
| | Target | Sets the target. 75%, <u>100%</u> |
| | Position | Selects the display position. <u>Bottom Left</u>, <u>Bottom Right</u>  Note <ul style="list-style-type: none"> This setting becomes invalid in the "Multi View (Dual)" display. |
| Audio Level Meter | | Configures various settings for the audio level meter. Displays the audio level of the selected channel number.  Note <ul style="list-style-type: none"> "Audio Level Meter" cannot be displayed when "Frame Hold" is "On", during the execution of "Playback File" under "Screen Capture", or when "Test Pattern" is displayed. |
| | Enable | Switches the audio level meter On, Off. <u>On</u>, <u>Off</u> |
| | 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 (<u>CH1-CH2</u>), 4CH (<u>CH1-CH4</u>), 6CH (<u>CH1-CH6</u>), 8CH (<u>CH1-CH8</u>) When "CH9-CH16" is selected for "SDI Group": 2CH (<u>CH9-CH10</u>), 4CH (<u>CH9-CH12</u>), 6CH (<u>CH9-CH14</u>), 8CH (<u>CH9-CH16</u>) |
| | Channel Number (HDMI) | Sets the number of channels displayed when HDMI signal is input. 2CH (<u>CH1-CH2</u>), 4CH (<u>CH1-CH4</u>), 6CH (<u>CH1-CH6</u>), 8CH (<u>CH1-CH8</u>) |
| | 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. <u>On</u>, <u>Off</u> |
| | Reference Level | Sets the reference level. -40 to 0 (<u>-20</u>) |
| 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".  Note <ul style="list-style-type: none"> In the following cases, "Pixel Value Check" will not be displayed. <ul style="list-style-type: none"> When an image is zoomed in During the execution of "Playback File" under "Screen Capture" While "Test Pattern" is displayed When "Multi View (Quad)" or "Multi View (Dual)" is displayed When "Channel Settings" → "Picture Mode" → "Type" is "L/R" When there is no signal or an unsupported signal is input 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. <u>On</u>, <u>Off</u> |


| Item | | Setting Options (<u>underline indicates factory default</u>) |
|-------------------------------|----------------|---|
| | 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. |
| Frame Luminance Monitor | | <p>When "Gamma/EOTF" is set to "SMPTE ST 2084 (PQ)" or "Hybrid Log-Gamma", "Max./Ave. Luminance" for the entire screen (frame) is displayed. For other conditions, "Max./Ave. Gradation Values" is displayed. The frame luminance monitor can be used when the resolution is "4096x2160", "3840x2160", "2048x1080" or "1920x1080".</p> <div data-bbox="539 589 1353 990" data-label="Figure"> </div> <p>Note</p> <ul style="list-style-type: none"> In the following cases, "Frame Luminance Monitor" will not be displayed. <ul style="list-style-type: none"> When an image is zoomed in During the execution of "Playback File" under "Screen Capture" While "Test Pattern" is displayed When "Multi View (Quad)" or "Multi View (Dual)" is displayed When "Channel Settings" → "Picture Mode" → "Type" is "L/R" When there is no signal or an unsupported signal is input The update time for "Frame Luminance Monitor" may take a long duration, or graph indication of "Frame Luminance Monitor" may be reset when displaying the "Frame Luminance Monitor" and operating the OSD menu. |
| Enable | | Switches the frame luminance monitor On, Off. On, Off |
| Reset | | Resets the displayed content. |
| Peak Luminance Rise Reference | | Sets the Peak Luminance Rise Reference value. (10 cd/m ² increments) 0 to 1000 (400) |
| Ave. Luminance Rise Reference | | Sets the Ave. Luminance Rise Reference value. (10 cd/m ² increments) 0 to 1000 (200) |

| Item | Setting Options (underline indicates factory default) |
|----------------------|---|
| Test Pattern | <p>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</p> <p> Note</p> <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> - When calibration has been started - When the 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 |
| Screen 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 | <p>Pauses the video. On, Off</p> |
| Capture Source | <p>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.</p> |
| File Type | <p>Sets the File Type of the image to capture. JPEG, Bitmap</p> |
| Playback File | <p>Plays back captured images. Select File: Selects a file. Execute: Plays back the image.</p> <p> Note</p> <ul style="list-style-type: none"> • When playing back captured images on other DP-V2410 or PC, color may not be played back precisely. |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><th>Cinema EOS cameras</th><th colspan="2">DP-V2410</th></tr><tr><th>Color Space</th><th>Color Gamut</th><th>Color Temperature</th></tr><tr><td>BT.709</td><td>ITU-R BT.709</td><td>D65</td></tr><tr><td>BT.2020</td><td>ITU-R BT.2020</td><td>D65</td></tr><tr><td>DCI-P3</td><td>DCI-P3</td><td>DCI-P3</td></tr><tr><td rowspan="2">DCI-P3+</td><td>DCI-P3+ to 709</td><td>D65</td></tr><tr><td>DCI-P3+ to DCI-P3</td><td>DCI-P3</td></tr><tr><td rowspan="3">Cinema Gamut</td><td>Cinema Gamut to 709</td><td>D65</td></tr><tr><td>Cinema Gamut to 2020</td><td>D65</td></tr><tr><td>Cinema Gamut to DCI-P3</td><td>DCI-P3</td></tr><tr><td rowspan="3">RAW Gamut</td><td>Cinema Gamut to 709</td><td>D65</td></tr><tr><td>Cinema Gamut to 2020</td><td>D65</td></tr><tr><td>Cinema Gamut to DCI-P3</td><td>DCI-P3</td></tr></table> | Cinema EOS cameras | DP-V2410 | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Cinema EOS cameras</th><th colspan="2">DP-V2410</th></tr><tr><th>Gamma/EOTF</th><th>Gamma/EOTF</th><th>HDR Range</th></tr><tr><td>Canon Log</td><td>Canon Log (HDR)</td><td rowspan="3">—</td></tr><tr><td>Canon Log 2</td><td>Canon Log 2 (HDR)</td></tr><tr><td>RAW Gamma</td><td></td></tr><tr><td>Canon Log 3</td><td>Canon Log 3 (HDR)</td><td></td></tr><tr><td>ST 2084, PQ</td><td>SMPTE ST 2084 (PQ)</td><td>1000</td></tr><tr><td>Normal (BT.709)</td><td rowspan="3">2.2</td><td rowspan="3">—</td></tr><tr><td>Wide DR</td></tr><tr><td>EOS Std.</td></tr><tr><td>DCI-P3</td><td>2.6</td><td></td></tr></table> | 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 | | | | | | | | | |
| 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 Gamut/Gamma/EOTF: The image quality of the display corresponds to the camera's settings. On, Off | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Color Temperature: The image quality of the display corresponds to the camera's settings. On, Off | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Color Gamut: Sets the color gamut shown on the display when the camera's "Color Space" is set to "Cinema Gamut" or "DCI-P3+". ITU-R BT.709, ITU-R BT.2020, DCI-P3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |





| Item | | 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 When "User LUT" under "CDL/User LUT" is set to "ARRI", the following settings are configured. Parameter of ARRI Cinema camera and DP-V2410 | | | | | |
| | | ARRI Cinema camera | DP-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 | — | — | — |
| | | User LUT: Sets the color gamut and gamma/EOTF shown on the display when "Automatic Adjustment (ARRI)" is set to "On". Rec2100-PQ-1K-100, Rec2100-HLG-1K-200, User LUT 1-8 | | | | | |



| Item | | Setting Options (underline indicates 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") | | | | | | |
| | <u>On</u>, <u>Off</u> | | | | | | |
| | When "User LUT" under "CDL/User LUT" is set to "VARICAM", the following settings are configured. | | | | | | |
| | Parameter of Panasonic Cinema camera and video display | | | | | | |
| | Panasonic Cinema camera | DP-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 | — | — | — | | |
| User LUT: Sets the color gamut and gamma/EOTF shown on the display when "Automatic Adjustment (VARICAM)" is set to "On". | | | | | | | |
| <u>V-Log to V-709</u>, User LUT 1-8 | | | | | | | |
| Anamorphic | When a Canon camera is connected, displays in accordance with the settings when anamorphic lens display settings are included in the camera metadata. | | | | | | |
| <u>On</u>, <u>Off</u> | | | | | | | |
| Area Marker | 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, <u>Off</u> | | | | | | |
|  Note | | | | | | | |
| • This cannot be set when "Marker Preset" is "Off". | | | | | | | |








| Item | | Setting Options (underline indicates factory default) |
|------|--------------------|---|
| | Fan | <p>Allows you to link stopping the fan to the camera's recording operation (For Cinema EOS System cameras, Canon professional-use video cameras, or ARRI cinema cameras that are compatible with this video display). Set "Fan Control" under "System Settings" to "On".</p> <p><u>On, Off</u></p> <p> Note</p> <ul style="list-style-type: none"> • 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. • The video display's fan may start rotating earlier than the camera because the temperature inside the main unit has increased. • The fan may not stop in some conditions, for example when used at a high temperature. |
| | Camera Information | <p>Sets conditions to display camera information.</p> <p><u>Automatic</u>: Camera information is displayed for 4 seconds when the information has changed.</p> <p>On: Camera information is always displayed.</p> <p>Off: Camera information is not displayed.</p> |



Picture Function Settings

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

| Item | Setting Options (<u>underline indicates factory default</u>) |
|-------------|--|
| Peaking | <p>Customizes peakings which are assigned to Peaking 1 or Peaking 2. The outline is displayed in a color, used to check the focus.</p> <p> Note</p> <ul style="list-style-type: none"> • "Peaking" cannot be displayed during the execution of "Playback File" under "Screen Capture". • Cannot set when "Compare View" → "Enable" is "On". |
| Enable | <p>Switches the peaking display mode and also sets peaking to Off.</p> <p>Peaking 1, Peaking 2, <u>Off</u> Configures detailed settings for "Peaking 1" or "Peaking 2". Monochrome: Displays video in monochrome. Peaking 1 (<u>On</u>, Off), Peaking 2 (<u>On</u>, Off) Frequency: Sets the central frequency of contour enhancement signals. Peaking 1 (<u>Low</u>, <u>Middle</u>, <u>High</u>), Peaking 2 (<u>Low</u>, <u>Middle</u>, <u>High</u>) Range: Sets the width of the range to be colored. -3 ~ +3 (<u>0</u>) Color: Sets the color to be used. White, <u>Red</u>, Green, Blue, Yellow, Cyan, Magenta</p> <p> Note</p> <ul style="list-style-type: none"> • "Enable" changes to "Off" when the power is turned on again. |
| False Color | <p>Displays different colors for the video's brightness levels to make it easier to check the exposure and brightness distribution.</p> <p> Note</p> <ul style="list-style-type: none"> • "False Color" cannot be displayed during the execution of "Playback File" under "Screen Capture". • Cannot set when "Compare View" → "Enable" is "On". |
| Enable | <p>Switches between False Color display mode and non-display.</p> <p>False Color 1, False Color 2, <u>Off</u> Sets "False Color 1" or "False Color 2". Type: Sets the tint color display method. <u>Automatic</u>: Sets in accordance with the "Gamma/EOTF" settings. IRE, SMPTE ST 2084 (PQ), Hybrid Log-Gamma HDR Range: Other colors can be displayed only on those areas that exceed the value set in "HDR Range". False Color 1 (<u>On</u>, <u>Off</u>), False Color 2 (<u>On</u>, <u>Off</u>)</p> <p> Note</p> <ul style="list-style-type: none"> • "Enable" changes to "Off" when the power is turned on again. • When "IRE" in "Type" is selected, "HDR Range" settings become invalid. |

| Item | | Setting Options (<u>underline indicates factory default</u>) |
|------------|-------------|--|
| | Range | <p>Sets the tint color range.</p> <p>Type: When "Gamma/EOTF" → "Hybrid Log-Gamma", "Hybrid Log-Gamma" is set. Otherwise, "SMPTE ST 2084 (PQ)" is set.</p> <p>SMPTE ST 2084 (PQ): The settings are as follows. (100 to 1000: 10 increments, 1000 to 4000: 100 increments, 4000 to 10000: 1000 increments)</p> <p>Monochrome/blue: 100 to 200</p> <p>Blue/light blue: 150 to 400</p> <p>Light blue/green: 400 to 1000</p> <p>Green/yellow: 600 to 4000</p> <p>Yellow/orange: 800 to 8000</p> <p>Orange/red: 1000 to 10000</p> <p>Hybrid Log-Gamma: The settings are as follows. (10 increments)</p> <p>Monochrome/blue: 100 to 200</p> <p>Blue/light blue: 150 to 300</p> <p>Light blue/green: 200 to 500</p> <p>Green/yellow: 300 to 700</p> <p>Yellow/orange: 400 to 900</p> <p>Orange/red: 500 to 1000</p> |
| Over Range | | <p>Displays video in monochrome, with the areas where the set range is exceeded are shown tinted.</p> <p> Note</p> <ul style="list-style-type: none"> • Cannot set when "Compare View" → "Enable" is "On". |
| | Enable | <p>Switches the "Over Range" On, Off.</p> <p>On, Off</p> <p> Note</p> <ul style="list-style-type: none"> • "Enable" changes to "Off" when the power is turned on again. |
| | Range (HDR) | <p>Automatic: When "Gamma/EOTF" → "SMPTE ST 2084" or "Hybrid Log-Gamma", only the areas that exceed the "HDR Range" setting are tinted.</p> <p>Manual: Only areas that exceed the range set at "SMPTE ST 2084 (PQ)" or "Hybrid Log-Gamma" are tinted.</p> <p>When you select "Manual", sets the reference level.</p> <p>SMPTE ST 2084 (PQ): Sets the tint color range. (100 to 1000: 10 increments, 1000 to 4000: 100 increments, 4000 to 10000: 1000 increments)</p> <p>100 to 10000 (1000)</p> <p>Hybrid Log-Gamma: Sets the tint color range. (10 increments)</p> <p>100 to 1000 (1000)</p> |
| | Range (SDR) | <p>Sets the tint color range. (1 increments)</p> <p>512 to 1023 (940)</p> |







| Item | Setting Options (<u>underline indicates factory default</u>) |
|----------------------------|--|
| 2020 Outside of Gamut View | <p>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.</p> <p> Note</p> <ul style="list-style-type: none"> • Cannot set when "Compare View" → "Enable" is "On". |
| Enable | <p>Switches between On and Off for "2020 Outside of Gamut View". On, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> • "Enable" changes to "Off" when the power is turned on again. |
| Color Gamut | <p>Sets the "Color Gamut" to be set as out of color gamut. ITU-R BT.709, <u>Native</u></p> |
| Range | <p>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.</p> |
| Monochrome | <p>Video is displayed in monochrome. On, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> • Cannot set when "Compare View" → "Enable" is "On". • When the power is turned off and on, becomes "Off". |
| Blue Only | <p>Cuts red and green signals, and displays only blue signals in monochrome. On, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> • When "CDL/User LUT" is set to "User LUT", "Blue Only" cannot be selected. • Cannot set when "Compare View" → "Enable" is "On". • When the power is turned off and on, becomes "Off". |
| Red Off | <p>Video is displayed with red signals cut. On, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> • Cannot set when "Compare View" → "Enable" is "On". • When the power is turned off and on, becomes "Off". |
| Green Off | <p>Video is displayed with green signals cut. On, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> • Cannot set when "Compare View" → "Enable" is "On". • When the power is turned off and on, becomes "Off". |
| Blue Off | <p>Video is displayed with blue signals cut. On, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> • Cannot set when "Compare View" → "Enable" is "On". • When the power is turned off and on, becomes "Off". |

| Item | Setting Options (<u>underline indicates factory default</u>) |
|------------------------|---|
| Backlight Scan | <p>"Backlight Scan" partially turns off the backlight area and reduces the image hold period when displaying images.</p> <p>High, Low, <u>Off</u></p> |
| Compare View | <p>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)</p> <p> Note</p> <ul style="list-style-type: none"> • "Compare View" cannot be set in the following cases: <ul style="list-style-type: none"> - 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" |
| Enable | <p>Sets On, Off in the Comparison mode.</p> <p>On, <u>Off</u></p> <p> Note</p> <ul style="list-style-type: none"> • When "HDR/SDR" is selected for "Type" and "Enable" is set to "On", "Boost Contrast" becomes "On". |
| Type | <p>Sets the type of the image to compare.</p> <p><u>HDR/SDR</u>: HDR and SDR images are displayed.</p> <p>CDL/User LUT: The image on which "CDL" or "User LUT" is applied is displayed only in the left screen.</p> |
| HDR/SDR Convert Method | <p>When "HDR/SDR" is selected for "Type", set the display method of the screen set to SDR.</p> <p><u>2020 HDR to 709 SDR, 2020 HDR to 2020 SDR</u>: Setting differs according to the "Gamma/EOTF" settings.</p> <p>"SMPTE ST 2084 (PQ)": The "User LUT" corresponding to each setting is applied.</p> <p>"Hybrid Log-Gamma": The "User LUT" corresponding to each setting is applied. When "User LUT" → "2020 HLG to 709 HLG", the "Gamma/EOTF" when "2020 HDR to 2020 SDR" is selected becomes "2.4".</p> <p>"Canon Log (HDR)", "Canon Log 2 (HDR)", "Canon Log 3 (HDR)": "Canon Log", "Canon Log 2" or "Canon Log 3" is applied.</p> <p>"Preset Log 1", "Preset Log 2": "HDR Range" → "Preset Log 1" or "Preset Log 2" setting "100" is set.</p> <p>User LUT 1-8: The specified "User LUT" is applied.</p> <p>Off: Only brightness is lowered.</p> |


System Settings


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

| Item | Setting Options (<u>underline indicates factory default</u>) |
|---|---|
| Function/Channel Button | Sets the function or channel to assign to the F buttons or CH button. |
| Display Function/Display Function (CDL) | <p>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 (📖 89). The factory defaults for the main unit F buttons is as follow:</p> <p>■ Normal mode</p> <p>F1: Contrast F2: Brightness F3: Time Code F4: WFM/VEC F5: Audio Level Meter F6: Zoom Preset F7: Pixel Value/Frame Luminance F8: Boost Contrast</p> <p>■ CDL mode</p> <p>F1: CDL RGB 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</p> <p>📝 Note</p> <ul style="list-style-type: none"> • When changing channels with "Channel UP/DOWN", the channels with "Input Configuration" (📖 55) 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 Channel | <p>Sets the channel to assign to the CH button on the display.</p> <p>Select a CH button and register a channel number. A list of settings under the menu "Channel Settings" (📖 55) is displayed.</p> |
| Language | <p>Sets the language of the OSD menu and messages.</p> <p>English, 日本語, 簡体中文</p> |
| Date/Time | Sets the year/month/date/hour/minute. |

| Item | Setting Options (<u>underline indicates factory default</u>) |
|----------------------|---|
| Network/IMD Settings | Make the settings for networking of the main unit and remote operation by external devices. |
| Network | <p>Configures settings for the network of the video display.</p> <p>Configure an IP Address</p> <p>Automatic: Configures an IP address automatically with DHCP/Automatic IP.</p> <p>Manual: Configure an IP address and subnet mask manually.</p> <p>Display: 192.168.0.1</p> <p>Subnet Mask: 255.255.255.0</p> <p> Note</p> <ul style="list-style-type: none"> Setting is disabled when "Power on Setting" is set to "User 1-3". |
| Wi-Fi | <p>Control: Wi-Fi is used to connect the video display to a network. Control signal from external devices can only be accepted by the video display if "Control" is set to "On". ( 32)</p> <p>On, Off</p> <p>Access Point: Set the access point to connect to the network. The "Access Point" default value is not set. When a password is mandatory, you can specify the password using up to 24 alpha-numerical characters and symbols. The initial password is blank. ( 32)</p> |
| Web | <p>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. ( 33)</p> <p>On, Off</p> <p>User ID, Password: Set the user ID and password. You can specify "User ID" and "Password" using up to 16 alpha-numerical characters and symbols. ( 33) The "User ID" and "Password" default values are "user".</p> |
| In Monitor Display | <p>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. You can specify the characters using up to 16 alpha-numerical characters and symbols. ( 31)</p> <p>Control: Sets whether or not to receive the control signal from the connected device.</p> <p>TSL Ver. 5.00, Off</p> <p>Manual: Select to input the characters on this video display. Does not receive a control signal from the connected device.</p> <p>Position: This sets whether the characters and tally lights will be displayed at the top or the bottom.</p> <p>Top, Bottom</p> <p>Manual Display Type</p> <p>Automatic: Changes display in accordance with the Input Configuration.</p> <p>Single: Single-screen display.</p> <p>Dual A,B, Dual C,D: Dual-screen display.</p> <p>Quad A,B,C,D: Quadruple-screen display.</p> <p>Manual String (Single), Manual String (Dual/Quad A), Manual String (Dual/Quad B), Manual String (Dual/Quad C), Manual String (Dual/Quad D): When "Control" is set to "Manual", select one of "Manual String" and set the text to be displayed. You can input up to 16 alphanumeric characters.</p> |

| Item | Setting Options (<u>underline indicates factory default</u>) |
|-------------------------------------|---|
| Display Name | Sets the name of the main unit. You can input up to 16 alphanumeric characters. |
| OSD Settings | |
| Banner | <p>You can set how the banner is displayed in cases such as when the display is turned on or the channel is changed. The banner displays the channel name, signal information and status of the main unit.</p> <p>When all OSD are hidden, you can display the banner by pressing the jog dial. However, when this setting is "Automatic" or "On", the banner will disappear after approximately 6 seconds.</p> <p>Automatic: After the banner is displayed, it will disappear after approximately 4 seconds.</p> <p>On: Displays the banner.</p> <p>Off: Does not display the banner.</p> |
| Function Button Guide | <p>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.</p> <p>Off: Function Button Guide is not displayed.</p> |
| OSD Position | <p>Mode 1 (4096x2160): OSD is displayed in a 4096x2160 area.</p> <p>Mode 2 (3840x2160): OSD is displayed in a 3840x2160 area.</p> |
| OSD Size | <p>Sets the size of the OSD menu.</p> <p>Large, Small</p> |
| Protect Settings | |
| Password | Set a password to protect settings. Use a four-digit number (0000 to 9999). The initial password is blank. |
| Protect Target | <p>You can remove Picture Mode and Select Channel from the items to be protected.</p> <p>Picture Mode: Select "On" to protect or "Off" to exclude settings for "Picture Mode".</p> <p>On, Off</p> <p>Select Channel: Select "On" to protect or "Off" to exclude settings for "Select Channel".</p> <p>On, Off</p> <p>Function Settings: Select "On" to protect or "Off" to exclude settings for "Function Settings".</p> <p>On, Off</p> |
| Protect | <p>Select "OK" to protect. When a password has been set, enter the password and select "OK".</p> <p>• Unlocking Protect Settings</p> <p>Move the selection frame to "Protect" and press the SET button for approximately 3 seconds. When a password has been set, enter the password and select "OK".</p> |
| Power Indicator/Button LED Settings | |
| Power Indicator Brightness | <p>Adjusts the brightness of the power indicator on the main unit. The greater the number is, the greater the brightness.</p> <p>Off, 1 to 5 (3)</p> |
| Display Button LED | <p>Sets the F buttons and the lamp on the face.</p> <p>On, Off</p> |
| Button Name Lighting Time (sec.) | <p>Sets the time (sec) until the lamp on the face goes out if no operation is performed.</p> <p>60, 30, 10, 5</p> |

| Item | Setting Options (underline indicates factory default) |
|-------------------------|---|
| Fan Settings | Sets the operation of internal fan. |
| Fan Control | <p>Makes the fan rotate faster before stopping in order to prevent the internal temperature from increasing, when the fan is stopped manually.</p> <p>On, Off</p> |
| Fan Stop | <p>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.</p> <p>On, Off</p> <p> Note</p> <ul style="list-style-type: none"> • 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. |
| Compatible Settings | Sets compatibility with HDMI devices and operation of functions that differ according to the version of the video display's firmware. |
| HDMI | <p>Sets the connection compatibility with HDMI equipment.</p> <p>Normal: All formats are supported.</p> <p>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.</p> <p>Compatible 2: Set this option when video is not played correctly in "Normal" or "Compatible 1". HDR signals are not supported.</p> <p>Compatible 3: Set this option when video is not played correctly in other settings. "4K50.00P/60.00P" and HDR signals are not supported.</p> |
| Color Range | <p>Normal: Sets the "Color Range" setting to new types in firmware Version 1.3 or later for this video display.</p> <p>Compatible: Sets the "Color Range" setting to conventional types in firmware Version 1.2 or earlier for this video display.</p> |
| Firmware/License Update | This function is used to update the video display firmware. Refer to the Canon website for detailed information. |

| Item | Setting Options (<u>underline indicates factory default</u>) | | | | | | | | |
|---------------------------|--|------------|--|------------------|-------------------------|---------------------------|--|-----------------|--|
| Export/Import | <p>Sets the export/import main menu settings.</p> <p> Note</p> <ul style="list-style-type: none"> The following settings cannot be exported or imported. <table> <tr> <td>Adjustment</td><td>Target values of Calibration (including calibration results)</td></tr> <tr> <td>Display Settings</td><td>Zoom Preset, Frame Hold</td></tr> <tr> <td>Picture Function Settings</td><td>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)</td></tr> <tr> <td>System Settings</td><td>Date/Time, Fan Stop, Export/Import, Power on Setting</td></tr> </table> <ul style="list-style-type: none"> User LUT data cannot be exported or imported to "User 1 to 3" under "Target". Data exported from this product may not be imported to products of which firmware version is earlier than the version of this product. To import data, update the firmware to the latest version. | 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) | System Settings | Date/Time, Fan Stop, Export/Import, Power on Setting |
| 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) | | | | | | | | |
| System Settings | Date/Time, Fan Stop, Export/Import, Power on Setting | | | | | | | | |
| Export | <p>Target: Select the export destination.</p> <p><u>USB</u>: Export to a USB memory.</p> <p>User 1-3: Export to the built-in memory of the main unit.</p> <p>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.</p> <p>Execute: Performs export.</p> | | | | | | | | |
| Import | <p>Target: Specify the destination to save the file to be imported.</p> <p><u>USB</u>, User 1-3</p> <p>Filename: Displays files with the extension ".dat" so you can select from among them.</p> <p>Settings (All, Adjustment, Channel Settings, Display Settings, Audio Settings, Marker Settings, Function/System Settings): Select the settings to import.</p> <p>Execute: Performs import.</p> | | | | | | | | |
| Power on Setting | <p>You can select the state of the display when the power is turned on.</p> <p><u>Last memory</u>: Launches with the same settings as when the power was turned off the previous time.</p> <p>User 1-3: It starts up with the settings saved in "User 1-3" under "Export".</p> | | | | | | | | |
| Reset All Settings | <p>Returns all settings to factory default. When selected, the message "Reset all settings to factory defaults?" appears.</p> <p>OK: Performs reset.</p> <p>Cancel: Returns to the previous screen without resetting.</p> | | | | | | | | |

The following functions can also be assigned to an F button (84).

| 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 |
| | xy |
| 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 to User 7 |
| | CINEMA EOS SYSTEM |
| | ACESproxy (Ver. 1.0.1) |
| CDL/User LUT | CDL Preset |
| | 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 |
| Function Settings | Time Code |
| | WFM/VEC |
| | Wave Form Monitor |
| | WFM Select Signal |
| | Vector Scope |
| | Audio Level Meter |
| | Pixel Value/Frame Luminance |
| | Pixel Value Check |
| | Frame Luminance Monitor |
| | Capture |
| | Camera Information |

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

* 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. | 000000000000 |
| Firmware/License Ver. | 1.3 |
| Usage Time* | 5 h |
| IP Address | 192.168.0.1 |
| Subnet Mask | 255.255.255.0 |
| MAC Address | FF: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 Area | | 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 (Standard) | | 100 cd/m ² |
| View Angle (Up, Down, 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 | | At maximum load (including change in brightness through aging): Approximately 210 W At factory shipment: Approximately 160 W |
| Environmental Conditions | Operating | 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 Pitch | | VESA standard 100 x 100 mm (3.9 x 3.9 in.) |

| Interface | | |
|-----------|--------------|--|
| Input | 3G/HD/SD-SDI | 4 (1 systems) BNC (75 Ω) 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 2018. It is subject to change without notice.

■ Main Unit

-
- Technical drawing of the front view of the device. The dimensions are as follows:
- Top width: 594 (23.4)
 - Inner width: 567.6 (22.3)
 - Right height (inner): 312 (12.3)
 - Right height (middle): 378 (14.9)
 - Right height (total): 399 (15.7)

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- [illegible]

94 Main specifications/Performance

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 | 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 SMPTE 274M |
| | 1920x1080i 50.00 Hz* | | | |
| | 1920x1080P 29.97/30.00 Hz* | | | |
| | 1920x1080PsF 29.97/30.00 Hz* | | | |
| | 1920x1080P 25.00 Hz* | | | |
| | 1920x1080PsF 25.00 Hz* | | | |
| | 1920x1080P 23.98/24.00 Hz* | | | |
| | 1920x1080PsF 23.98/24.00 Hz* | | | |
| | 2048x1080i 59.94/60.00 Hz | | | SMPTE 292-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | 2048x1080i 50.00 Hz | | | |
| | 2048x1080P 29.97/30.00 Hz | | | |
| | 2048x1080PsF 29.97/30.00 Hz | | | |
| | 2048x1080P 25.00 Hz | | | |
| | 2048x1080PsF 25.00 Hz | | | |
| | 2048x1080P 23.98/24.00 Hz | | | |
| | 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* | 12-bit/10-bit | SMPTE 425-1 SMPTE 274M |
| | | 4:4:4 YCbCr* | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 1920x1080P 50.00 Hz* | 4:2:2 YCbCr | 10-bit | |
| | 1920x1080i 50.00 Hz | 4:4:4 RGB* | 12-bit/10-bit | |
| | | 4:4:4 YCbCr* | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 1920x1080P 29.97/30.00 Hz | 4:4:4 RGB | 12-bit/10-bit | |
| | | 4:4:4 YCbCr | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 1920x1080PsF 29.97/30.00 Hz | 4:4:4 RGB* | 10-bit | |
| | | | 12-bit | |
| | | 4:4:4 YCbCr* | 12-bit | SMPTE 425-1 SMPTE 274M |
| | | 4:4:4 YCbCr* | 10-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 1920x1080P 25.00 Hz | 4:4:4 RGB | 12-bit/10-bit | |
| | | 4:4:4 YCbCr | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 1920x1080PsF 25.00 Hz | 4:4:4 RGB* | 10-bit | |
| | | | 12-bit | |
| | | 4:4:4 YCbCr* | 12-bit | SMPTE 425-1 SMPTE 274M |
| | | 4:4:4 YCbCr* | 10-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 1920x1080P 23.98/24.00 Hz | 4:4:4 RGB* | 12-bit/10-bit | |
| | | 4:4:4 YCbCr* | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 1920x1080PsF 23.98/24.00 Hz | 4:4:4 RGB | 10-bit | |
| | | | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit | SMPTE 425-1 SMPTE 274M |
| | | 4:4:4 YCbCr | 10-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 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 | 12-bit/10-bit | |
| | | 4:4:4 YCbCr | | |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 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 | 12-bit/10-bit | |
| | | 4:4:4 YCbCr | 12-bit | |
| | | 4:4:4 X'Y'Z' | | |
| | 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 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080PsF 29.97/30.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080P 25.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080PsF 25.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080P 23.98/24.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080PsF 23.98/24.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| 4:2:2 YCbCr | | 12-bit | | |

| 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 SMPTE 372 SMPTE 274M |
| | 1920x1080i 59.94/60.00 Hz | 4:4:4 RGB 4:4:4 YCbCr | 12-bit/10-bit | |
| | | 4:2:2 YCbCr* | 12-bit | |
| | 1920x1080P 50.00 Hz | 4:2:2 YCbCr | 10-bit | |
| | 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 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080PsF 29.97/30.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080P 25.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080PsF 25.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 2048x1080P 23.98/24.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 372 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |

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

| 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 SMPTE 372 SMPTE 274M |
| | 3840x2160PsF 29.97/30 Hz | | | |
| | 3840x2160P 25 Hz | | | |
| | 3840x2160PsF 25 Hz | | | |
| | 3840x2160P 23.98/24 Hz | | | |
| | 3840x2160PsF 23.98/24 Hz | | | |
| | 4096x2160P 29.97/30 Hz | | | SMPTE 425-3 SMPTE 372 SMPTE 2048-2 |
| | 4096x2160PsF 29.97/30 Hz | | | |
| | 4096x2160P 25 Hz | | | |
| | 4096x2160PsF 25 Hz | | | |
| | 4096x2160P 23.98/24 Hz | | | |
| | 4096x2160PsF 23.98/24 Hz | | | |
| Dual Link 3G-SDI 2 Sample Interleave (Level B) | 3840x2160P 29.97/30 Hz | 4:2:2 YCbCr | 10-bit | SMPTE 425-3 SMPTE 372 SMPTE 274M |
| | 3840x2160P 25 Hz | | | |
| | 3840x2160P 23.98/24 Hz | | | |
| | 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 | | | |
| | 4096x2160PsF 29.97/30.00 Hz | | | |
| | 4096x2160P 25.00 Hz | | | |
| | 4096x2160PsF 25.00 Hz | | | |
| | 4096x2160P 23.98/24.00 Hz | | | |
| | 4096x2160PsF 23.98/24.00 Hz | | | |
| | | | | SMPTE 292-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | | | |
| | | | | |

| 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 SMPTE 274M |
| | 3840x2160i 59.94/60.00 Hz | 4:4:4 RGB* | 12-bit/10-bit | |
| | | 4:4:4 YCbCr* | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 3840x2160P 50.00 Hz | 4:2:2 YCbCr* | 12-bit | |
| | 3840x2160i 50.00 Hz | 4:4:4 RGB* | 12-bit/10-bit | |
| | | 4:4:4 YCbCr* | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 3840x2160P 29.97/30.00 Hz | 4:4:4 RGB | 12-bit/10-bit | |
| | | 4:4:4 YCbCr | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 3840x2160PsF 29.97/30.00 Hz | 4:4:4 RGB* | 10-bit | SMPTE 425-1 SMPTE 274M |
| | | | 12-bit | |
| | | 4:4:4 YCbCr* | 12-bit | |
| | | 4:4:4 YCbCr* | 10-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 3840x2160P 25.00 Hz | 4:4:4 RGB | 12-bit/10-bit | |
| | | 4:4:4 YCbCr | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 3840x2160PsF 25.00 Hz | 4:4:4 RGB* | 10-bit | SMPTE 425-1 SMPTE 274M |
| | | | 12-bit | |
| | | 4:4:4 YCbCr* | 12-bit | |
| | | 4:4:4 YCbCr* | 10-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 3840x2160P 23.98/24.00 Hz | 4:4:4 RGB* | 12-bit/10-bit | |
| | | 4:4:4 YCbCr* | | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 3840x2160PsF 23.98/24.00 Hz | 4:4:4 RGB | 10-bit | SMPTE 425-1 SMPTE 274M |
| | | | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit | |
| | | 4:4:4 YCbCr | 10-bit | |
| | | 4:2:2 YCbCr | 12-bit | |
| | 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 | 12-bit/10-bit | |
| | | 4:4:4 YCbCr | | |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:2:2 YCbCr | | |

| 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 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 4096x2160PsF 29.97/30.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 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 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 4096x2160PsF 25.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 4096x2160P 23.98/24.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 4096x2160PsF 23.98/24.00 Hz | 4:4:4 RGB | 12-bit/10-bit | SMPTE 425-1 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:4:4 X'Y'Z' | 12-bit | |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 425-1 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |

| 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 SMPTE 274M |
| | 3840x2160P 50 Hz | 4:2:2 YCbCr | 10-bit | |
| | 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 | SMPTE 425-5 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 4096x2160P 59.94/60 Hz | 4:2:2 YCbCr | 10-bit | |
| | 4096x2160P 50 Hz | 4:2:2 YCbCr | 10-bit | |
| | 4096x2160P 47.95/48 Hz | 4:2:2 YCbCr | 10-bit | |
| | 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 SMPTE 372 SMPTE 274M |
| | 3840x2160i 59.94/60.00 Hz | 4:4:4 RGB 4:4:4 YCbCr | 12-bit/10-bit | |
| | | 4:2:2 YCbCr* | 12-bit | |
| | 3840x2160P 50.00 Hz | 4:2:2 YCbCr | 10-bit | |

| 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 SMPTE 274M |
| | | 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 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 | SMPTE 425-1 SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 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 | |
| | 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 | |
| | 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 |
| | | 4:4:4 X'Y'Z' | 12-bit | SMPTE 372 |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 428-9 |
| | | 4:2:2 YCbCr | 12-bit | SMPTE 428-19 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 |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 428-9 |
| | | 4:2:2 YCbCr | 12-bit | SMPTE 428-19 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 |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 428-9 |
| | | 4:2:2 YCbCr | 12-bit | SMPTE 428-19 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 |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 428-9 |
| | | 4:2:2 YCbCr | 12-bit | SMPTE 428-19 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 |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 428-9 |
| | | 4:2:2 YCbCr | 12-bit | SMPTE 428-19 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 |
| | | 4:4:4 YCbCr | 12-bit/10-bit | SMPTE 428-9 |
| | | 4:2:2 YCbCr | 12-bit | SMPTE 428-19 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 SMPTE 372 SMPTE 274M |
| | 3840x2160P 50 Hz | 4:2:2 YCbCr | 10-bit | |
| | 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 | SMPTE 425-5 SMPTE 372 SMPTE 428-9 SMPTE 428-19 SMPTE 2048-2 |
| | | 4:2:2 YCbCr | 12-bit | |
| | 4096x2160P 59.94/60 Hz | 4:2:2 YCbCr | 10-bit | |
| | 4096x2160P 50 Hz | 4:2:2 YCbCr | 10-bit | |
| | 4096x2160P 47.95/48 Hz | 4:2:2 YCbCr | 10-bit | |
| | 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 | |

■ 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 4:4:4 YCbCr 12-bit/10-bit/8-bit 4:2:2 YCbCr 12-bit |
| 720x576P 50.00 Hz | |
| 1280x720P 59.94/60.00 Hz | |
| 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 4:4:4 YCbCr 8-bit 4:2:2 YCbCr 12-bit 4:2:0 YCbCr 12-bit/10-bit/8-bit |
| 3840x2160P 50.00 Hz | |
| 3840x2160P 29.97/30.00 Hz | 4:4:4 RGB 12-bit/10-bit/8-bit 4:4:4 YCbCr 12-bit/10-bit/8-bit 4:2:2 YCbCr 12-bit |
| 3840x2160P 25.00 Hz | |
| 3840x2160P 23.98/24.00 Hz | |
| 4096x2160P 59.94/60.00 Hz | 4:4:4 RGB 8-bit 4:4:4 YCbCr 8-bit 4:2:2 YCbCr 12-bit 4:2:0 YCbCr 12-bit/10-bit/8-bit |
| 4096x2160P 50.00 Hz | |
| 4096x2160P 29.97/30.00 Hz | 4:4:4 RGB 12-bit/10-bit/8-bit 4:4:4 YCbCr 12-bit/10-bit/8-bit 4:2:2 YCbCr 12-bit |
| 4096x2160P 25.00 Hz | |
| 4096x2160P 23.98/24.00 Hz | |

Image/Frame Display

■ SDI

| Signal system | | | Display Method | |
|---------------|-------------|-----|----------------|----|
| 720x487 | 59.94/60.00 | i | 59.94/60.00 | P |
| 720x576 | 50.00 | i | 50.00 | P |
| 1280x720 | 23.98/24.00 | P | 47.96/48.00 | P* |
| | 25.00 | P | 50.00 | P* |
| | 29.97/30.00 | P | 59.94/60.00 | P* |
| | 50.00 | P | 50.00 | P |
| | 59.94/60.00 | P | 59.94/60.00 | P |
| 1920x1080 | 50.00 | i | 50.00 | P |
| | 59.94/60.00 | i | 59.94/60.00 | P |
| | 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 | P | 47.96/48.00 | P* |
| | 25.00 | P | 50.00 | P* |
| | 29.97/30.00 | P | 59.94/60.00 | P* |
| | 50.00 | P | 50.00 | P |
| | 59.94/60.00 | P | 59.94/60.00 | P |
| 2048x1080 | 50.00 | i | 50.00 | P |
| | 59.94/60.00 | i | 59.94/60.00 | P |
| | 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 | P | 47.96/48.00 | P* |
| | 25.00 | P | 50.00 | P* |
| | 29.97/30.00 | P | 59.94/60.00 | P* |
| | 47.95/48.00 | P | 47.95/48.00 | P |
| | 50.00 | P | 50.00 | P |
| | 59.94/60.00 | P | 59.94/60.00 | P |
| 3840x2160 | 50.00 | i | 50.00 | P |
| | 59.94/60.00 | i | 59.94/60.00 | P |
| | 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 | P | 47.96/48.00 | P* |
| | 25.00 | P | 50.00 | P* |
| | 29.97/30.00 | P | 59.94/60.00 | P* |
| | 50.00 | P | 50.00 | P |
| | 59.94/60.00 | P | 59.94/60.00 | P |

| Signal system | | | Display Method | |
|---------------|-------------|-----|----------------|----|
| 4096x2160 | 50.00 | i | 50.00 | P |
| | 59.94/60.00 | i | 59.94/60.00 | P |
| | 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 | P | 47.96/48.00 | P* |
| | 25.00 | P | 50.00 | P* |
| | 29.97/30.00 | P | 59.94/60.00 | P* |
| | 47.95/48.00 | P | 47.95/48.00 | P |
| | 50.00 | P | 50.00 | P |
| | 59.94/60.00 | P | 59.94/60.00 | P |

* : Displaying same frame


■ HDMI

| Signal system | | | Display Method | |
|---------------|-------------|---|----------------|----|
| 640x480 | 59.94/60.00 | P | 59.94/60.00 | P |
| 800x600 | 60.00 | P | 60.00 | P |
| 720x480P | 59.94/60.00 | P | 59.94/60.00 | P |
| 720x576 | 50.00 | P | 50.00 | P |
| 1024x768 | 60.00 | P | 60.00 | P |
| 1280x720 | 59.94/60.00 | P | 59.94/60.00 | P |
| 1280x720 | 50.00 | P | 50.00 | P |
| 1920x1080 | 59.94/60.00 | P | 59.94/60.00 | P |
| 1920x1080 | 59.94/60.00 | i | 59.94/60.00 | P |
| 1920x1080 | 50.00 | P | 50.00 | P |
| 1920x1080 | 50.00 | i | 50.00 | P |
| 1920x1080 | 59.94/60.00 | i | 59.94/60.00 | P |
| 1920x1080 | 29.97/30.00 | P | 59.94/60.00 | P* |
| 1920x1080 | 25.00 | P | 50.00 | P* |
| 1920x1080 | 23.98/24.00 | P | 47.96/48.00 | P* |
| 2048x1080 | 59.94/60.00 | P | 59.94/60.00 | P |
| 2048x1080 | 50.00 | P | 50.00 | P |
| 2048x1080 | 29.97/30.00 | P | 59.94/60.00 | P* |
| 2048x1080 | 25.00 | P | 50.00 | P* |
| 2048x1080 | 23.98/24.00 | P | 47.96/48.00 | P* |
| 3840x2160 | 59.94/60.00 | P | 59.94/60.00 | P |
| 3840x2160 | 50.00 | P | 50.00 | P |
| 3840x2160 | 29.97/30.00 | P | 59.94/60.00 | P* |
| 3840x2160 | 25.00 | P | 50.00 | P* |
| 3840x2160 | 23.98/24.00 | P | 47.96/48.00 | P* |
| 4096x2160 | 59.94/60.00 | P | 59.94/60.00 | P |
| 4096x2160 | 50.00 | P | 50.00 | P |
| 4096x2160 | 29.97/30.00 | P | 59.94/60.00 | P* |
| 4096x2160 | 25.00 | P | 50.00 | P* |
| 4096x2160 | 23.98/24.00 | P | 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. | <ul style="list-style-type: none"> 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 (📖 51). |
| | 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. |
| 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". |
| 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. |
| | | |

| Message | | Description and Action |
|-----------------|--|---|
| Hardware error | Backlight error. | Disconnect the power cord, reconnect it, and then turn on the power. If the message persists, contact Canon Customer Center. |
| | Fan error. | |
| | Panel error. | |
| | 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 (95). |
| 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. |
| 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. (Power indicator does not turn on.) | <ul style="list-style-type: none"> Press the  button. Check that the AC power supply or DC power cord is connected correctly. Brightness of the power indicator may be turned off. Turn it on and check once more. | 9 17 86 |
| The screen is dark. | When the power indicator does not turn on: <ul style="list-style-type: none"> Press the  button. Check that the AC power supply or DC power cord is connected correctly. | 9 17 |
| | When the power indicator is lit orange: <ul style="list-style-type: none"> Press the  button. | 9 |
| | When the power indicator is flashing orange: <ul style="list-style-type: none"> Flashing once every 3 seconds : Contact Canon Customer Center. Flashing twice every 3 seconds : <ul style="list-style-type: none"> - Turn on the power with the  button. - The temperature of the display rises (or falls) depend on operation environment. Check the environmental conditions ( 92) and do not use in direct sunlight. - If the power still does not turn on, contact Canon Customer Center. | 9 92 |
| The power suddenly goes off when a DC power supply is used. | <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> Set each item in "Channel Settings" according to input signal. | 55 |
| The 3G-SDI RAW signal image does not display. | <ul style="list-style-type: none"> At times the 3G-SDI RAW signal image may not display, depending on the type of the CINEMA EOS SYSTEM camera. Refer to the Canon website for a list of supported products. | — |
| There is a blank area when set to Quad Input/Dual Input. | <ul style="list-style-type: none"> 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 |
| | <ul style="list-style-type: none"> Signals with different resolution or frequency may be input from each terminal. Check the signal. | 91 |
| Video paused temporarily | <ul style="list-style-type: none"> 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. | 33 |
| Screen is too bright/dark. | <ul style="list-style-type: none"> Adjust the "Contrast" on the OSD menu. There is a limit on the service life of LCD backlight. If the screen becomes dark or starts flickering, contact Canon Customer Center. | 42 |

| Symptom | Cause and Action |  |
|---|---|---|
| Burn-in image appears. | <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> The symptom may be resolved by displaying a white or black image on the entire screen. | — |
| OSD menu cannot be used. | <ul style="list-style-type: none"> Check that "Protect Settings" is not set. | 86 |
| "Aspect Marker", "Safety Zone Marker" or "Area Marker" does not appear. | <ul style="list-style-type: none"> A channel with no signal, unsupported signal, or with "Input Configuration" not set may be selected. Check the signal. | 91 |
| The fan starts to rotate even when "Fan" under "Camera Link" is set to "On" or "Fan Stop" is set to "On". | <ul style="list-style-type: none"> 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. | 79 |
| | <ul style="list-style-type: none"> When "Fan" under "Camera Link" is set to "On", the down time may not match the camera. | 87 |
| The fan does not stop even when "Fan" under "Camera Link" is set to "On" or "Fan Stop" is set to "On". | <ul style="list-style-type: none"> The fan does not stop if the internal temperature of the video display is high. Configure settings after the internal temperature has lowered. | 79 |
| | <ul style="list-style-type: none"> The fan may not stop in some conditions, for example when used at a high temperature. Use the video display at the operating temperature ( 92) or lower. | 87 |
| You forgot the password for "Protect Settings". | <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> 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. | 88 |
| The image quality for the User mode in "Picture Mode" differs from the image quality of presets. | <ul style="list-style-type: none"> Select the preset mode by "Copy Picture Mode" and copy the settings. | 52 |
| Image quality on the left and right screens is different. | <ul style="list-style-type: none"> Check the "Channel Settings" → "Picture Mode" settings. | 22 |
| Image quality is automatically changed. | | 57 |
| The same image is displayed in two screens. | <ul style="list-style-type: none"> Check the "Channel Settings" → "Single Input Dual View" settings. | 58 |

Software Used in This Product

Software installed with this product includes software modules from Canon or third parties.

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Free software modules installed with this product

- | | | | |
|-----------------|----------------|-----------------------------|------------------|
| • linux kernel | • 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 | |

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