4K REFERENCE DISPLAYS

Canon
SEE IMPOSSIBLE

4K UHD

CANON HDR, WCG, 4K REFERENCE DISPLAYS

Canon's family of Professional Reference Displays are ideal for all facets of demanding Television and Movie production. With high brightness and deep blacks these displays are perfect for HDR, WCG 4K on-set, mastering suite, mobile truck and QC environments. The displays feature high contrast and high dynamic range support functions like HDR that can adjust clip luminance. HDR standard gamma support and wide color gamut properties like 2020 and DCI-P3 are ideal for exacting viewing and evaluation of advanced content for cinema and television programs. The innovative Canon-designed high-bit-depth image processing engine and backlight control system with IPS panel technology help ensure accurate color reproduction, uniform brightness across the entire screen and wide viewing angles to help support collaborative creativity among a number of viewers. Canon Cinema EOS linkup and 3rd party linkup functions help simplify workflows and provide flexibility.

DP-V2420
4K REFERENCE DISPLAY

24-inch · 4K

The DP-V2420 is Canon's flagship 24" model that's ideal for demanding HDR and SDR workflows on-set, in a mastering suite/mobile truck or color grading and QC environment. It has high brightness and deep blacks. The display qualifies as a Dolby Vision mastering monitor (supporting SMPTE ST 2084's gamma curve) as well as the proposed Hybrid Log-Gamma (HLG) broadcast HDR standards and complies with both the HDR10 and the ITU-R BT.2100-0 HDR standard which specifies a peak luminance of 1000 cd/m2 and a minimum luminance of 0.005 cd/m2.

- 4096 x 2160, 10-bit IPS panel, wide viewing angle, impressive 100,000:1 contrast ratio and a 17:9 aspect ratio.

- Supports both SMPTE ST 2084's gamma curve (developed by Dolby Laboratories, Inc., and commonly referred to as "PQ") as well as the proposed HLG broadcast HDR standards.

- Side-by-side viewing allows for simultaneous display of HDR and SDR signals, or peaking on one side while off on the other.

- The HDR variable range adjustment function allows viewing of high-range HDR signals (for example, 4K nits) without clipping.

- Peak luminance control allows either variable or constant image luminance.

- Shooting assistance tools including 2 sample interleave and 4 split-screen display, peaking, 4K waveform monitor and vector scope, still capture, false color, audio level meter, area markers and more.

- Internal debayering of the Canon Cinema EOS 4K RAW signal output from the EOS C500 and EOS C300 Mark II cameras for a sophisticated, but "simple set-up" on-set workflow.

- Direct integration with the EOS C500, EOS C300 Mark II and ARRI ALEXA SXT cameras, allowing display of camera metadata and camera image information on the reference display and preset Logs such Canon Log and ARRI LogC.

- 3G/HD-SDI and HDMI supported 4K 60P and metadata.

- 3rd party linkup function such as Mistika (SGO), Colorfront system and others.

HDR GAMMA CURVE (OETH / EOTF*)

OETF / EOTF*

Signal Value vs Input [%]

- Hybrid Log-Gamma
- SMPTE ST 2084 EOTF*
- BT. 709
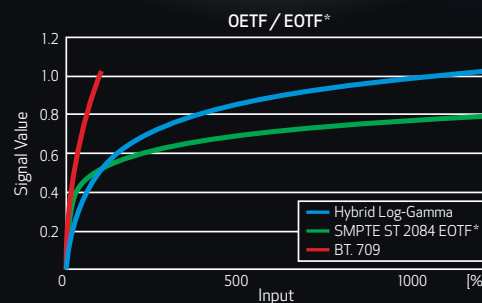
* In the case of 100% = 100 nit.

HDR/SDR 2 SPLIT-SCREEN DISPLAY

HDR · SDR

Image simulated.

DP-V1710

4K UHD REFERENCE DISPLAY   [17-inch]   [UHD]

The DP-V1710 is a compact and rugged display that supports 4K UHD signals for use in broadcast and cinema workflows where high mobility is needed.

- 3840 x 2160 (4K UHD) display, fitting inside 19" racks (7U) and making it an excellent choice for broadcast vans that are subject to space and weight restrictions.

- Supports broadcast/digital cinema EOTFs, as well as Canon's own proprietary Canon Log/2/3 and the latest HDR EOTFs, Hybrid Log-Gamma (ITU-R BT.2100) and SMPTE ST 2084.

- Equipped with 6G-SDI terminals. 4K 60P video can now be received on two SDI cables, simplifying installation and allowing 4K 60P video to be received and switched on two lines. HDMI supported 4K 60P and metadata.

- Shooting assistance tools including 2 sample interleave and 4 split-screen display, peaking, 4K waveform monitor and vector scope, still capture, false color, audio level meter, area markers and more.

- Direct integration with the ARRI ALEXA SXT camera, allowing display of camera metadata and camera image information on the reference display and preset ARRI LogC.

- Weighs just less than 18 lbs. and features a built-in easy-set-up transport handle, integrated control panel, solid metal frame and inputs for 12 V DC battery power or 100–240 V AC.

- 3rd party linkup function such as Mistika (SGO), Colorfront system and others.

LIST OF REGISTERED PRESET EOTF / LUT

EOTF (SDR)
1.0, 2.2, 2.35, 2.4, 2.6, ITU-R BT.1886 (CRT), Canon Log, Canon Log 2, Canon Log 3, Off
EOTF (HDR)
Canon Log (HDR), Canon Log 2 (HDR), Canon Log 3 (HDR), SMPTE ST 2084, Hybrid Log-Gamma Y, Hybrid Log-Gamma RGB
1D-LUT (Import)
Gamma LUT 1–8

DP-V3010

4K REFERENCE DISPLAY   [30-inch]   [4K]

The DP-V3010 is widely used on-set as a "Video Village" and DIT display, as well as in post-production color grading and QC applications.

- 4096 x 2560, 10-bit IPS panel, wide viewing angle and 16:10 aspect ratio.

- Meets all common cinema and television standards including SMPTE ST 2048-1:2012 (DCI) and broadcast UHD standard ITU-R BT.2020.

- Displays HDR footage captured in SMPTE ST 2084 standard (PQ signal) that is approved by the Society of Motion Picture and Television Engineers, Hybrid Log-Gamma and Canon's proprietary Canon Log/2/3 gamma settings.

- Supports direct importing of both 1D and 3D Lookup Tables (LUTs) and ASC-CDL (American Society of Cinematographers' Color Decision List) formats.

- Features DCI-compliant contrast ratio 2000:1.

- Upscaling 2K/HD content for 4K portrayal.

- Shooting assistance tools including peaking, 4K waveform monitor and vector scope, still capture, false color and more.

- 3rd party linkup function such as Mistika (SGO), Colorfront system and others.

DP-V2410

4K REFERENCE DISPLAY   [24-inch]   [4K]

The DP-V2410 is an exceptionally versatile 24" display, perfect for smaller DIT carts, video village or director's viewing and checking HDR and SDR workflows on-set or in the studio.

- 4096 x 2160, 10-bit IPS panel, wide viewing angle and 17:9 aspect ratio.

- Meets all common cinema and television standards including SMPTE ST 2048-1:2012 and broadcast UHD standard ITU-R BT.2020.

- Support for the industry standard ACES 1.0 color management.

- Internal debayering of the Canon Cinema EOS 4K RAW signal output from the EOS C500 and EOS C300 Mark II cameras for a sophisticated, but "simple set-up" on-set workflow.

- Direct integration with the EOS C500, EOS C300 Mark II and ARRI ALEXA SXT cameras, allowing display of camera metadata and image information on the reference display and preset Logs such Canon Log and ARRI LogC.

- Shooting assistance tools including 2 sample interleave, HDR/SDR 2 split-screen display, 4 split-screen display, peaking, 4K waveform monitor and vector scope, still capture, false color and more.

- Features DCI-compliant contrast ratio 2000:1.

- 3rd party linkup function such as Mistika (SGO), Colorfront system and others.

Specifications

	Display Unit	DP-V3010 **4K**	DP-V2420 **4K**	DP-V2410 **4K**	DP-V1710 **UHD**
Panel	Type	IPS LCD panel	IPS LCD panel	IPS LCD panel	IPS LCD panel
	Screen Size	30 in. / 76.1cm	24 in. / 61.1cm	24 in. / 61.1cm	17.3 in. / 43.8cm
	Aspect Ratio	16:10	17:9	17:9	16:9
	Resolution	4096 x 2560 (10.5 Megapixels)	4096 x 2160 (8.8 Megapixels)	4096 x 2160 (8.8 Megapixels)	3840 x 2160 (8.3 Megapixels)
	Active Display Area	Approx. 25.4 x 15.9 in. / 645.1 x 403.2mm	Approx. 21.3 x 11.2 in. / 540.7 x 285.1mm	Approx. 21.2 x 11.2 in. / 540.7 x 285.1mm	Approx. 15.0 x 8.46 in. / 381.9 x 214.8mm
	Pixel Pitch	1575 μm / 161 ppi	132 μm / 193 ppi	132 μm / 193 ppi	99 μm / 255 ppi
	Panel Driver	1024 gradations (10 bits for each RGB color)	1024 gradations (10 bits for each RGB color)	1024 gradations (10 bits for each color)	–
Image Quality	Brightness (Standard)	48 cd / m² (DCI), 100 cd / m²	100 cd / m²	100 cd / m²	100 cd / m²
	Viewing Angle (Up, Down, Left, Right)	89° (contrast ratio 10:1 or higher)	89° (contrast ratio 10:1 or higher)	89° (contrast ratio 10:1 or higher)	89° (contrast ratio 10:1 or higher)
	Surface Treatment	Low-reflection glare	Anti-glare coating	Anti-glare coating	Anti-glare coating
General	Backlight Type	RGB LED (direct down type)	RGB LED (direct down type)	RGB LED (direct down type)	White LED (direct down type)
	Power	Rated Voltage: 100–240 V AC Rated Frequency: 50 / 60 Hz	Rated Voltage: 100–240 V AC Rated Frequency: 50 / 60 Hz	Rated Voltage: 100–240 V AC, 24 V DC Rated Frequency: 50 / 60 Hz	Rated Voltage: 100–240 V AC, 12 V DC max. 10 A, XLR terminal Rated Frequency: 50 / 60 Hz
	Power Consumption	At maximum load (including change in brightness through aging): Approx. 370 W At factory shipment: Approx. 130 W	At maximum load (including change in brightness through aging): Approx. 510 W At factory shipment: Approx. 180 W	At maximum load (including change in brightness through aging): Approx. 210 W At factory shipment: Approx. 160 W	At maximum load (including change in brightness through aging): Approx.140 W At Factory Shipment: Approx. 85 W
Environmental Conditions	Operating	Temperature and Humidity: 41–95°F (5–35°C), 20–80% RH (no condensation) [Recommended: 59–86°F (15–30°C)] Pressure: 700–1060 hPa	Temperature and Humidity: 32–104 °F (0–40 °C), 20–85% RH (no condensation) [Recommended: 59–86°F (15–30°C)] Pressure: 700–1060 hPa	Temperature and Humidity: 32–104 °F (0–40 °C), 20–85% RH (no condensation) [Recommended: 59–86°F (15–30°C)] Pressure: 700–1060 hPa	Temperature and Humidity: 32–104°F (0–40°C), 20–85% RH (no condensation) [Recommended: 59–86°F (15–30°C)] Pressure: 700–1060 hPa
	Storage / Transporting	Temperature and Humidity: -4–104°F (-20–40°C), 10–85% RH (no condensation) 105–140°F (41–60°C), 10–40% RH (no condensation) Pressure: 700–1060 hPa	Temperature and Humidity: -4–104°F (-20–40°C), 20–85% RH (no condensation) 105–140°F (41–60°C), 10–30% RH (no condensation) Pressure: 700–1060 hPa	Temperature and Humidity: -4–104°F (-20–40°C), 10–85% RH (no condensation) 105–140°F (41–60°C), 10–30% RH (no condensation) Pressure: 700–1060 hPa	Temperature and Humidity: -4–104°F (-20–40°C), 20–85% RH (no condensation) 105–140°F (41–60°C), 20–30% RH (no condensation) Pressure: 700–1060 hPa
	Dimensions (W x H x D)	Approx. 27.9 x 18.7 x 7.4 in. (708 x 474 x 189mm)	With Stand: Approx. 23.4 x 15.7 x 9.3 in. (594 x 399 x 235mm) Display Unit Only, without protruding parts: Approx. 23.4 x 14.9 x 7.7 in. (594 x 378 x 195mm)	With Stand: Approx. 23.4 x 15.7 x 7.4 in. (594 x 399 x 187mm) Display Unit Only, without protruding parts: Approx. 23.4 x 14.9 x 4.2 in. (594 x 378 x 106mm)	With Stand and Handle: Approx. 17.1 x 14.0 x 7.6 in. (435 x 356 x 194mm) Display Unit Only, without protruding parts: Approx. 17.1 x 12.1 x 6.1 in. (435 x 308 x 154mm)
	Weight	Approx. 52.8 lb. / 24kg	Approx. 41.8 lb. / 19kg	Approx. 26.4 lb. / 12kg	Approx. 17.6 lb. / 8kg
	Mounting Hole Pitch	VESA standard 200 x 200mm (7.9 x 7.9 in.)	VESA standard 200 x 100mm (7.9 x 3.9 in.)	VESA standard 100 x 100mm (3.9 x 3.9 in.)	VESA standard 100 x 100mm (3.9 x 3.9 in.)
Camera Assist Function	Cinema EOS	Canon Log/Canon Log 2/Canon Log 3 Support	4K RAW format image debayering**, Camera information displays, Camera image quality linkup, Canon Log/Canon Log 2/Canon Log 3 Support	4K RAW format image debayering**, Camera information displays, Camera image quality linkup, Canon Log/Canon Log 2/Canon Log 3 Support	Canon Log/Canon Log 2/Canon Log 3 Support
	ARRI ALEXA SXT	–	Camera information displays, Camera image quality , ARRI Log C support	Camera information displays, Camera image quality , ARRI Log C support	Camera information displays, Camera image quality, ARRI Log C support
	General	Peaking, Waveform monitor, Vectorscope, Zooming, False Color, Audio level meter, Capture, Frame Hold, Area Markers, Fan Shutdown	Peaking, Waveform monitor, Vectorscope, Zooming, False Color, Audio level meter, Capture, Frame Hold, Area Markers, Fan Shutdown, 2 sample interleave, HDR/SDR 2 split-screen display, 4 split-screen display	Peaking, Waveform monitor, Vectorscope, Zooming, False Color, Audio level meter, Capture, Frame Hold, Area Markers, Fan Shutdown, 2 sample interleave, HDR/SDR 2 split-screen display, 4 split-screen display	Peaking, Waveform monitor, Vectorscope, Zooming, False Color, Audio level meter, Capture, Frame Hold, Area Markers, Fan Shutdown, 2 sample interleave, HDR/SDR 2 split-screen display, 4 split-screen display
Interface - Input	6G*/3G/HD - SDI	8 (2 systems) BNC (75Ω)	4 (1 system) BNC (75Ω)	4 (1 system) BNC (75Ω)	4 (6G: 2 systems, 3G/HD-SDI: 1 system) BNC (75Ω)
	Display Port	4 (1 system, version 1.1a compliant)	–	–	–
	HDMI	–	1 (1 system) Type A terminal (4K 60P Support) Copy protection: HDCP 2.2	1 (1 system) Type A terminal (4K 60P Support) Copy protection: HDCP 2.2	1 (1 system) Type A terminal (4K 60P Support) Copy protection: HDCP 2.2
Interface - Output	6G*/3G/HD - SDI	8 (2 pass-thru systems)	4 (1 pass-thru system)	4 (1 pass-thru system)	4 (6G: 2 pass-thru systems, 3G/HD-SDI: 1 pass-thru system)
	Headphone	–	1 stereo mini-jack. Supported impedance: 32–64Ω	1 stereo mini-jack. Supported impedance: 32–64Ω	1 stereo mini-jack. Supported impedance: 32–64Ω
Interface - Control	USB	1 USB A receptacle terminal Universal Serial Bus Specification Revision 2.0 compliant HS (High Speed) mode compatible	1 USB A receptacle terminal. Universal Serial Bus Specification Revision 2.0 compliant LS (Low Speed) / FS (Full Speed) / HS (High Speed) mode compatible. Enhanced Host Controller Interface Specification for Universal Serial Bus Revision 1.0 compliant	1 USB A receptacle terminal. Universal Serial Bus Specification Revision 2.0 compliant LS (Low Speed) / FS (Full Speed) / HS (High Speed) mode compatible. Enhanced Host Controller Interface Specification for Universal Serial Bus Revision 1.0 compliant	1 USB A receptacle terminal. Universal Serial Bus Specification Revision 2.0 compliant LS (Low Speed) /FS (Full Speed) /HS (High Speed) mode compatible. Enhanced Host Controller Interface Specification for Universal Serial Bus Revision 1.0 compliant
	LAN	1 RJ-45 terminal IEEE802.3 10BASE-TX / IEEE802.3u 100BASE-TX compliant	1 RJ-45 terminal IEEE802.3 10BASE-TX / IEEE802.3u 100BASE-TX compliant	1 RJ-45 terminal IEEE802.3 10BASE-TX / IEEE802.3u 100BASE-TX compliant	1 RJ-45 terminal IEEE802.3 10BASE-TX / IEEE802.3u 100BASE-TX compliant
	Remote	–	–	–	1 RJ-45 terminal, GPI 8 pin
Others	Supplied Accessories	Display Controller, AC Power Cord, Compact Power Adapter, AC Cable, Tip Prevention Fitting, LAN Cable, Rack Mount Bracket, Rack Mount Bracket Screw, Hex Key, Instruction Manual, Instruction Manual Disc	AC Power Cord, Instruction Manual, Instruction Manual Disc	AC Power Cord, Instruction Manual, AC Power Cord Clamp	AC Power Cord, Instruction Manual, AC Power Cord Clamp
	Accessories	–	–	–	Protect Panel (PP-17U) Rack Mount Bracket (RB-02)

*DP-V1710 only   **Only with the EOS C300 Mark II and EOS C500 cameras.

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