4K

CANON DP-V2410 4K REFERENCE DISPLAY

The Canon DP-V2410 24-inch 4K Reference Display is designed to be used on-set though finishing and quality control for cinema and broadcast production. It features a 4096 x 2160 wide viewing angle IPS Panel with a contrast ratio of 2000:1 and an aspect ratio of 17:9 that meets all cinema and television standards. A Canon-designed RGB LED backlight system and specially developed high-bit depth image processing engine helps ensure highly uniform brightness and color. The DP-V2410 supports the Broadcast UHD standard ITU-R BT.2020. It can internally Debayer the

Canon Cinema EOS 4K RAW signal output for direct display while looping this signal to an external recorder. It internally supports ACES 1.0 workflow and ACESproxy when used with any other camera that supports ACESproxy. Weighing approximately 26lbs., the DP-V2410 offers superb mobility in a sleek design that includes handles and adjustable feet. Advanced display functions, a user-friendly interface, and a variety of connectivity options makes this 4K reference display the ideal choice for on-set, dailies, and on-location "video villages".

KEY FEATURES

- Compatible with 4K Digital Cinema
- Compatible with 4K UHD Video Workflows
- Designed for Exceptional Mobility
- High Contrast Ratio of 2000:1
- DCI-P3 Color Reproduction
- ITU-R BT.2020 Color Gamut Support
- Upscaling 2K/HD Content for 4K Portrayal

- HDR Display
- Cinema EOS 4K Raw Debayering
- ACESproxy (ACES 1.0) and ASC CDL Support
- Several Shooting Assist Functions
- 3D LUT Support
- Multiple Signal Input Formats
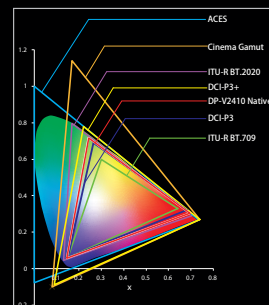- High Reliability Throughout

DP-V2410 4K REFERENCE DISPLAY

SPECIFICATIONS

DISPLAY UNIT

PANEL	PANEL TYPE	IPS LCD Panel
	SCREEN SIZE	24 inch (61.1 cm)
	ASPECT RATIO	17:9
	RESOLUTION	4096 x 2160 (8.8 megapixels)
	ACTIVE DISPLAY AREA	Approximately 21.2 x 11.2 in. (540.7 x 285.1 mm)
	PIXEL PITCH	132 μm/ 193 ppi
	PANEL DRIVER	1024 gradations (10 bits for each color)
IMAGE QUALITY	BRIGHTNESS (STANDARD)	100 cd/m²
	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 – 240V AC, 24V DC
	POWER — RATED FREQUENCY	50/60 Hz
	POWER CONSUMPTION	At maximum load (including change in brightness through aging): Approx. 210 W At factory shipment: Approximately 160 W
	ENVIRONMENTAL CONDITIONS — OPERATING	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
	ENVIRONMENTAL CONDITIONS — STORAGE/ TRANSPORTING	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
	DIMENSIONS (W x H x D)	Approx. 23.4 x 15.7 x 7.4 in. (594 x 399 x 187 mm) (with stand) Approx. 23.4 x 14.9 x 4.2 in. (594 x 378 x 106 mm) without stand
	WEIGHT	Approx. 26.4 lb. (12 kg)
	MOUNTING HOLE PITCH	VESA Standard 3.9 x 3.9 in. (100 x 100 mm)
CAMERA ASSIST FUNCTION	CINEMA EOS	4K RAW format image debayering, Camera information displays, Camera image quality linkup
	GENERAL	Peaking, Waveform monitor, Vectorscope, Zooming, False Color, Audio level meter, Capture, Frame Hold, Area Markers, Fan Shutdown
INTERFACE	INPUT — 3G/HD-SDI	4 (1 systems) BNC (75Ω) receptacle terminal 3G-SDI: SMPTE 2048-2/274M/296/372/425-1/428-19/428-9 compliant HD-SDI: SMPTE 2048-2/274M/292-1/296/428-19/428-9 compliant HD-SDI Dual: SMPTE 2048-2/274M/372/428-19/428-9 compliant
	INPUT — HDMI	1 (1 system) HDMI Type A Terminal; 4K 60P Support Copy Protection: HDCP 2.2
	OUTPUT — 3G/HD-SDI	4 (pass-thru 1 system)
	OUTPUT — HEADPHONE	1 stereo mini-jack
	CONTROL — USB VOLTAGE	1 (USB A Receptacle Terminal) Universal Serial Bus Specification Revision 2.0 Compliant LS (Low Speed)/FS (Full Speed)/HS (High Speed) Mode Compatible
	CONTROL — LAN	1 RJ-45 terminal IEEE802.3 10BASE-TX / IEEE802.3u 100BASE-TX compliant

The DP-V2410 has a conveniently located front panel operation.

The DP-V2410 comes with a variety of connectivity options.

FAITHFUL COLOR REPRODUCTION

The DP-V2410 supports multiple broadcast standards such as ITU-R BT.709, EBU and SMPTE-C as well as DCI- P3 (SMPTE PR 431-2) digital cinema standard. It also supports Cinema Gamut and DCI-P3+ color gamut, supported by the Cinema EOS System. The DP-V2410 meets the next-generation standards of ITU-R BT .2020 and ACESproxy (ACES 1.0). Although the ITU-R BT. 2020 color gamut is broader than the native color gamut of the DP- V2410, DP-V2410 optimizes the display of data outside of the native color gamut.

(chart legend: ACES, Cinema Gamut, ITU-R BT.2020, DCI-P3+, DP-V2410 Native, DCI-P3, ITU-R BT.709)

DISPLAY OF CAMERA IMAGES ENABLED WITH NO EXTERNAL DEBAYERING EQUIPMENT

4K RAW format images shot by the Cinema EOS System camera are debayered and displayed. Furthermore, it is possible to use a recorder which does not come with a debayering function by passing the signals straight through the DP-V2410 so that users have a wide recorder option as well.

4K 60P

3G-SDI x2

1 cable connected with frame rates of 24P/30P

Cinema EOS   DP-V2410

HIGH DYNAMIC RANGE (HDR)

The DP-V2410 supports the ability to display high dynamic range (HDR) footage captured by Canon's proprietary Canon Log and Canon Log 2 gamma settings, as well as HDR EOTF (Electro-Optical Transfer Function) recommended by the SMPTE ST 2084 standard. The HDR display function allows users to view and confirm the subtle details of underexposed and overexposed areas of displayed images and to compare SDR (Standard Dynamic Range) images with HDR images. This allows users to see the final image quality at the shooting location, providing greater efficiency in the production workflow.

Canon
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