

BVM-HX1710N

16.5-inch 4K TRIMASTER HX™
Professional Master Monitor



NETWORKED **LIVE** **4K** SR Live HDR

Specifications

Picture Performance

Panel	α -Si TFT Active Matrix LCD
Picture Size (diagonal)	16.5 inches (420.3 mm)
Effective Picture Size (H x V)	366.3 x 206.1 mm (14 1/2 x 8 1/8 inches)
Resolution (H x V)	3840 x 2160 pixels
Aspect	16:9
Pixel Efficiency	99,99%
Display Colours	1.07 billion
Panel Frame Rate	96 Hz / 100 Hz / 120 Hz (96 Hz and 120 Hz are also compatible with 1/1.001 frame rates)
Viewing Angle (Panel)	89°/89°/89°/89° (up/down/left/right contrast >

Specification)	10:1)
Normal Scan	0% scan
Underscan	3% underscan
Colour Temperature	D50, D60, D65, D93, DCI*1, and user 1–10 (5,000 K to 10,000 K adjustable), DCI XYZ
Luminance	3000 cd/m ² (typical)* ² 700 cd/m ² (typical)* ³
Colour Space (Colour Gamut)	ITU-R BT.2020* ⁴ , ITU-R BT.709, EBU, SMPTE-C, DCI-P3* ⁴ , S-Gamut3* ⁴ , S-Gamut3.Cine* ⁴
Transmission Matrix	ITU-R BT.2020 (Non-constant luminance is supported), ITU-R BT.709
EOTF	2.2, 2.4, 2.6, CRT, 2.4 (HDR), S-Log3, S-Log3 (Live HDR), SMPTE ST 2084, ITU-BT.2100 (HLG)
Warm-up Time	Approx. 30 minutes. To provide stable picture quality, turn on the power of the monitor and leave it in this state for more than 30 minutes.

Input

SDI	(12G/6G/3G/HD-SDI) BNC (x2), (3G/HD-SDI) BNC (x2), Input impedance: 75 Ω unbalanced
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HDMI Input	HDMI (HDCP2.3/1.4) (x1)
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IP(LAN)*5	SFP28(x2), 25G BASE
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Parallel Remote	RJ-45 8-pin (x1) (Fixed pin assignment)
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Serial Remote (LAN)	Ethernet, 10BASE-T/100BASE-TX RJ-45 (x1)
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USB Input	USB (USB2.0) connector (x1)
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Output

Enhanced Monitor Output	(12G/6G/3G/HD-SDI) BNC (x1), Output impedance: 75 Ω unbalanced *6
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SDI Output	(12G/6G/3G/HD-SDI) BNC (x2), (3G/HD-SDI) BNC (x2), Output impedance: 75 Ω unbalanced
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General

AC 100 V to 240 V, TBA A to TBA A,

Power Requirement	50/60 Hz
Power Consumption	Approx. TBA W (max.) 0.3 W In off-mode (When the Power switch is off)
Off Mode Activated	After About 60 Minutes
Operating Temperature	0°C to 35°C (32°F to 95°F) Recommended: 20°C to 30°C (68°F to 86°F)
Operating Humidity	30% to 85% (no condensation)
Operating Pressure	700 hPa to 1060 hPa
Dimensions (W x H x D)	TBA x TBA x TBA mm (TBA x TBA x TBA inches)
Mass Approx.	TBA Kg (TBA lb TBA oz)
Supplied Accessories	AC power cord (1)AC plug holder (1)Before Using This Unit (1)

Notes

*1 DCI: x=0.314, y=0.351

This luminance value is a typical value at D65 (x, y = 0.3127, 0.329) with a 10% white window. This

*2 value is not guaranteed. To avoid irreversible panel damage, an auto brightness limiter is enabled if the total amount of current or screen temperature exceeds the maximum capacity of the BVM-HX1710N.

*3 Panel specification (all white signal). This luminance value is typical at D65 (x, y = 0.3127, 0.329) and is not guaranteed.

*4 The BVM-HX1710N do not cover selected color space in full.

*5 BVM-HX1710N supports these inputs.
Sony OTM-25GSR and OTM-25GLR transceivers, and modules with power consumption of 1.0 W or lower are supported. Copper DAC (Direct Attach Cable) is not supported.

*6 Either BVML-H10, BVML-S10 or BVML-T10 optional license is required.

Related products



BVMK-R10

Monitor Control Unit



BVML-F10

Fast response license for for BVM-HX3110/HX1710/HX1710N



BVML-H10

HDR-SDR conversion license for BVM-HX3110/HX1710/HX1710N



BVML-T10

3D LUT output license for BVM-HX3110/HX1710/HX1710N



BVML-S10

Signal conversion output license with a 3D LUT feature for BVM-HX3110/HX1710/HX1710N



BVML-JD10

JPEG XS decoder license for for BVM-HX3110/HX1710N



BVML-SN10

SNMP license for for BVM-HX3110/HX1710N

Gallery

