

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 Colors | 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 |
| Color 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 |
| Color Space (Color 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

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

Output

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

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) |
| 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 does not cover the 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 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 a BVM-HX3110/HX1710N



BVML-SN10

SNMP license for BVM-HX3110/HX1710N

Gallery

