

# BVM-HX310

31-inch 4K TRIMASTER HX™ Professional Master Monitor



## Specifications

### Picture performance

Panel	α-Si TFT Active Matrix LCD
Picture size (diagonal)	789.1 mm (31.1 inches)
Effective Picture size (H x V)	698.0 x 368.1 mm (27 1/2 x 14 1/2 inches)
Resolution (H x V)	4096 x 2160 pixels
Aspect	17 : 9 (1.89 : 1)
Pixel efficiency	99,99%
Panel drive	10-bit
Panel frame rate	48 Hz / 50 Hz / 60 Hz (48 Hz and 60 Hz are also compatible with 1/1.001 frame rates)
Viewing angle (panel specification)	89°/89°/89°/89° (up/down/left/right contrast > 10:1)
Colour temperature	D55, D61, D65, D93, DCI*1, and user 1-5 (5,000 K to 10,000 K adjustable), DCI XYZ
Luminance (panel specification) (typical)	1000 cd/m2
Colour space (Colour gamut)	ITU-R BT.2020*2, ITU-R BT.709, EBU, SMPTE-C, DCI-P3*2, Native*3, S-GAMUT3*2, S-GAMUT3.cine*2
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 (HDR), S-Log3 (Live HDR), S-Log2 (HDR), SMPTE ST 2084(HDR), ITU-BT.2100(HLG)

### Input

SDI 1 input	(3G/HD) BNC (x4) Input impedance: 75 Ω unbalanced
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SDI 2 input	(12G/6G/3G/HD) BNC (x2) , (3G/HD) BNC (x2), Input impedance: 75 Ω unbalanced
HDMI	HDMI (HDCP2.3/1.4) (x1)
Serial remote (LAN)	Ethernet (10BASE-T/100BASE-TX), RJ-45 (x1)

### Output

SDI 1 MONITOR output*4	(3G/HD) BNC (x4) , Output impedance: 75 Ω unbalanced
SDI 2 output	(12G/6G/3G/HD) BNC (x2) , (3G/HD) BNC (x2) , Output impedance: 75 Ω unbalanced
Audio monitor	Stereo mini jack (x1)
Headphones	Stereo mini jack (x1)

### General

Power requirement	AC 100 V to 240 V, 5.1 A to 2.1 A, 50/60 Hz
Power consumption	Approx. 450 W (max.)
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)
Storage / transport temperature	-20°C to +60°C (-4°F to +140°F)
Storage / transport humidity	0% to 90%
Operating / storage / transport pressure	700 hPa to 1060 hPa
Dimensions (W x H x D)	778 x 519.5 x 230 mm (30 3/4 x 20 1/2 x 9 1/8 inches)
Mass Approx.	29 kg (63 lb 15 oz)
Supplied accessories	AC power cord (1), AC plug holder (1), CD-ROM (1), Before Using This Unit (1)

### Notes

*1	DCI: x=0.314, y=0.351
*2	The BVM-HX310 does not cover selected colour space in full.
*3	The BVM-HX310 individual chromaticity points. The widest colour space setting of the signal is reproduced by the BVM-HX310.
*4	SDI1 MONITOR output is a switched-output between SDI1 and SDI2 when signals are a

Related products



**HDCU-5500**

IP-ready Camera Control Unit (CCU) for HDC-5500 4K/HD system camera



**HDC-5500**

High performance three 2/3-inch 4K CMOS sensor portable system camera with direct 4K output



**BKM-17R**

Monitor Control Unit



**PXW-Z750**

4K 2/3-type 3-chip CMOS Shoulder-mount Camcorder with global shutter, high sensitivity, 4K/HD simultaneous recording, 120p HFR in HD, 12G-SDI and advanced wireless workflow capabilities



**HDCU-3500**

IP-ready Camera Control Unit (CCU) for HDC-3500 4K/HD system camera

## Gallery

