



BVMX300/2

30-inch 4K
TRIMASTER EL™
OLED critical
reference monitor

\$45,000.00

U.S.List Price

Overview

4K OLED unleashed. The BVM-X300 30-inch* 4K OLED master monitor is the flagship model in Sony's professional monitor line-up. This high-performance TRIMASTER EL™ OLED monitor includes unparalleled black performance, color reproduction, quick pixel response, and industry-leading wide viewing angles. In addition, the BVM-X300 has enhanced interface and features for High Dynamic Range (HDR) live production, as well as a wide color gamut conforming to DCI-P3 and most of the ITU-R BT.2020 standard*. By unleashing these superb features and qualities, this master monitor makes an ideal tool for a wide range of applications such as color grading and QC (quality control) in the 4K production workflow.

* 30-inch viewable area, measured diagonally.

** The BVM-X300 does not cover the BT.2020 color space in full.

Highlights

- * Full 4K picture resolution
- * High Dynamic Range
- * Supports ITU-R BT.709, DCI P3 and ITU-R BT.2020 wide color spaces
- * Multi-format capability
- * Safe area and aspect markers
- * Gamut Marker
- * Relative contrast 1/2, 1/3, and 1/4

Features

Features	Benefits
High Dynamic Range Display	In addition to the intrinsic high-contrast performance of the TRIMASTER EL™ OLED panel, this monitor provides EOTFs that support the new High Dynamic Range standards. These include SMPTE ST2084 and ITU-R BT.2100 EOTFs. These are displayed as highly accurate images offering exact black detail, the right colors you expect to see and the highlights that makes HDR images pop.
Supports DCI P3 and ITU-R BT.2020 wide color spaces	The BVM X300 offers industry leading wide color gamuts. It complies with the DCI P3 color gamut standard (SMPTE RP 431-2) and supports both ITU-R BT.709 and ITU R BT.2020 color space. S GAMUT3.cine* and S GAMUT3* color space are also supported to achieve coherent cinematography production workflow with Sony's 4K cinematography cameras. * The BVM-X300 does not support the ITU-R BT.2020, S-Gamut/S-Gamut3 and S-Gamut3.cine color space in full.
Flexible Inputs	This monitor includes twin quad HDSDI 3G and an HDMI input. The SDI inputs support both square and 2SI streaming formats in multiple bit depths, frame rates, and sampling structures. HDSDI inputs are SMPTE ST424 using four connections to input 4K images. Input formats can be 10 or 12 bit as Y Cb Cr, RGB, or even XYZ. 23, 24, 30, 48, 50, and 60 Hz frames rates are displayed as well as 1/1.001 frames. Progressive, interlaced and Psf segmentation formats are supported. For 2K display both single link and dual link inputs is supported
Accurate black and color reproduction	A key advantage of TRIMASTER EL is the fact that each pixel can be turned completely off. No other display technology is able to offer this. TRIMASTER EL is capable of reproducing accurate black with each individual

	pixel, enabling users to evaluate each picture image faithfully to the signal.
Quick Response with Virtually No Motion Blur	"The TRIMASTER EL gray-to-gray switching speed (measured in microseconds, s) is much faster than that of the LCD (measured in milliseconds, ms).* This fast response benefits a variety of applications and uses. * Sony's test results."
Extremely wide viewing angle	Sony BVM-X300 OLED TRIMASTER EL provides superior viewing angle performance as compared to other flat panel technologies available on the market. This makes it easier to evaluate picture performance with multiple viewers who need to see the same colors and contrast.
Sony S-Log Gamma, SMPTE ST 2084 and HLG Support	The BVM-X300 supports standard dynamic range 2.2, 2.4, 2.6, and CRT EOTFs. In addition, HDR (High Dynamic Range) EOTFs are provided for 2.4 (HDR), SMPTE ST 2084, S-Log2 (HDR), S-Log3 (HDR), SMPTE ST.2084 (HDR), HLG SG 1.2 (HDR) and HLG SG Variable (HDR). S-Log3(Live HDR).
Flicker Free Mode	The TRIMASTER EL OLED panel's superb quick response and scan-driving performance deliver stunning picture quality with virtually no motion blur. However, there is a possibility that flicker is just visible when a lower frame rate is displayed (24p, 24PsF, and 50i). To remove visible flicker, the BVM-X300 is equipped with Flicker-free mode.
Interlace mode	The BVM-X300 monitor offers an Interlace Display feature for 1080i inputs. This enables images to be displayed as true interlace. As with the Native Scan function, Interlace Display mode offers faithful reproduction of the input signal, and the displayed interlace fields are free from any picture degradation that can occur as a result of typical I/P conversion processes.
Safe area and aspect markers	The BVM-X300 monitor can display various markers, including an aspect marker, safe area marker, and center marker. In addition to this flexible selection of marker types, detailed display settings of each marker are offered. For example, the color, brightness, horizontal/vertical position, and width of aspect markers can all be controlled, while the height and width of safe area markers can be adjusted.

Specifications

Display Specifications	Detail
Panel Technology	OLED panel
Picture Size (diagonal) inch	29 5/8 inches
Effective Picture Size (H x V) inch	26 1/4 x 13 7/8 inches
Resolution	4096 x 2160 pixels
Panel Drive	RGB 10-bit
Optical Characteristics Specifications	Detail
Standard Luminance	Standard luminance 100 cd/m ² (100% white signal input, User Preset 1 to User Preset 5) 48cd.m2 (User Preset XYZ)
Color Space	ITU-R BT.2020*2, ITU-R BT.709, EBU, SMPTE-C, DCI-P3, BVM-X300 Native*3, S-Gamut/S-Gamut3*2, S-Gamut3.cine*2
EOTF	2.2, 2.4, 2.6, CRT, 2.4(HDR), S-Log3(HDR), S-Log 3(Live HDR), S-Log2(HDR), SMPTE ST 2084(HDR) , HLG SG1.2(HDR), HLG SG Variable(HDR)
Power Requirements Specifications	Detail
Power Requirements	AC 100 V to 240 V, 50/60 Hz
Operating Temperature Specifications	Detail
F	32°F to 95°F
General Specifications	Detail
Dimensions (WxHxD) inch	29 1/4 x 19 x 8 1/8 inches
Operating Conditions Specifications	Detail
Operating Humidity	0 % to 90 % (no condensation)
Storage Temperature	-4°F to +140°F

