Multi-Format LCD Monitor
XVM-245W

EBU Grade 1 Monitor : 24" 10 bit, LED Backlight, 1080 Native Resolution LCD Monitor

The XVM-245W is true Grade 1 Display equipped with both a native 10 Bit LCD Panel and High Quality RGB Matrix LED Backlight. The XVM-245W has been built specifically for high end color critical applications while retaining many of the great features found in the popular LVM Series displays.
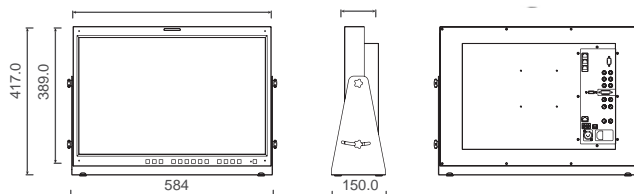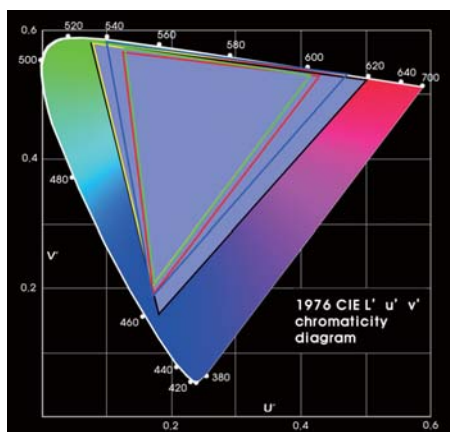The XVM-245 features an integrated 3D LUT providing accurate reproduction of various color spaces.

PRODUCT HIGHLIGHTS

- 1920x1080 Native HD Resolution (Panel Resolution 1920x1200)with High Contrast 1000:1
- 10-bit, 1,073,741,824 Colors Support
- High-Purity Precision LED Backlight
- 2 x HD/SD SDI inputs
- 1 x DVI-I input(W/HDCP), 1 x HDMI input(W/HDCP)
- Analog Component/Composite/S-Video/RGB Inputs
- 1:1 Pixel Mapping Modes for SD/HD
- Audio Disembedder & Speakers
- Optional 19" Rack Mount Kit available (also VESA compatible)
- Supports TVLogic Color Calibration Utility for proper color alignment
- Dual-Link Model - 4:4:4 and 1080p60 compatible (option)
- Matte Finish Panel or Optional ND filter
- Waveform/Vector Scope (Line selectable)
- Supports External Sync input
- Supports 3D LUT & Adjustable Gamma (1.0 to 3.0)
- Supports Multi-points Calibration for RGB and White uniformity correction
- Timecode Display(VITC/VTC), Dynamic UMD Display
- Closed Caption : CEA-608/708
- Embedded Audio Level Meter(16 ch)

Supports various video standards
TVLogic supports the following video standards:
SMPTE-C, REC 709, DCI-P3, EBU and User Color Space. Shown below is the CIE chart, utilized by the XVM-245W

1976 CIE L' u' v' chromaticity diagram

PRODUCT SPECIFICATIONS

Input	1 x DVI-I	DVI IN
	3 x BNC	Analog Input
	2 x BNC	SDI A/B Channel Input
	1 x HDMI	HDMI Input
	1 x BNC	EXT SYNC INPUT
Output	3 x BNC	Analog Output
	2 x BNC	SDI A/B Channel (Active Through Out)
	1 x BNC	EXT SYNC OUT
Input Signal	Analog	Composite / S-Video / Component / RGB
	3G-SDI	2.970Gbps
	HD-SDI	1.485Gbps
	SD-SDI	270Mbps
	DVI	VESA/IBM Modes
	HDMI	480i/480p/720p/1080i /1080p& VESA/IBM Modes
Analog Input Spec	Composite	1.0Vpp (With Sync)
	S-Video	1.0Vpp (Y With Sync), 0.286Vpp(C)
	Component	1.0Vpp (Y With Sync), 0.7Vpp (Pb,Pr)
	RGB	1.0Vpp (G With Sync), 0.7Vpp (B,R)
SDI Input Signal Formats	SMPTE - 425M	1080p(60/59.94/50)
	SMPTE - 274M	1080i (60/59.94/50)
		1080p (30/29.97/25/24/24sF/23.98/23.98sF)
	SMPTE - 296M	720p (60/59.94/50)
	SMPTE - 260M	1035i (60/59.94)
	SMPTE - 125M	480i (59.94)
	ITU - R BT.656	576i (50)
Audio In		Embedded Audio / Analog Stereo (Phone Jack)
Audio Out		Analog Stereo (Phone Jack)
		Internal Speaker(Stereo)
LCD	Size	24"
	Resolution	1920 x 1200 (16:10)
	Pixel Pitch	0.270(H) x 0.270(W) mm
	Color	1,073,741,824 colors (true 10bit)
	Viewing Angle	H : 178 degrees / V : 178 degrees
	Luminance of white	80 cd/㎡ at Center (Max. 250cd/㎡)
	Contrast	800:1
	Display Area	518.4(H) x 324.0(V) mm
Power		24V DC / AC100~240V
Power Consumption (Approx.)		77 Watts (DC / Typ.)
Operating Temperature		0℃ to 40℃ (32˚F to 104˚F)
Storage Temperature		-20 ℃ to +60 ℃ (-4 ℉ to 140 ℉)
Main Body Dimensions (mm/inch)		552.5 x 389 x 95 (21.73 x 15.31 x 3.74)
Main Body Dimensions (With Stand)		586 x 417 x 150 (23.07 x 16.41 x 5.90)
Weight		11Kg / 24.2 lb
Accessory		AC Power cord
Option		Carrying Case, 19" Rack Mountable Kit, ND Filter

417.0 389.0 584 150.0

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Flexibility

A wide range of input standards, which includes: Two autosensing/autoswitching HD/SD-SDI, Component, Composite, S-Video, RGB, DVI-I and HDMI with HDCP support, are supported by the XVM-245W.

True Multi−Format Support

Support of NTSC, PAL, SECAM, and all SD/HD digital formats are standard. This includes PsF formats as a standard feature and support of 1080p60 and 4:4:4 sources over the password enabled Dual-Link and 3G option

Slim and Smart Design

The single piece integrated design requires no external I/O boxes or cables; therefore these are no bandwidth limitations.
The slim design, low power consumption and easy to use optional rack mount kit allow the XVM-245W to be used in virtually any application.

Various Display Modes

PBP FUNCTION 01

PBP FUNCTION 02

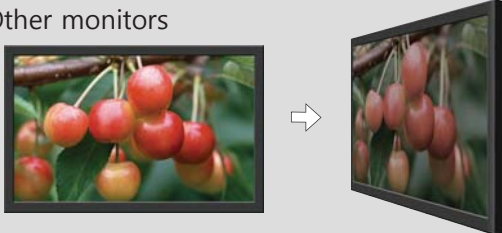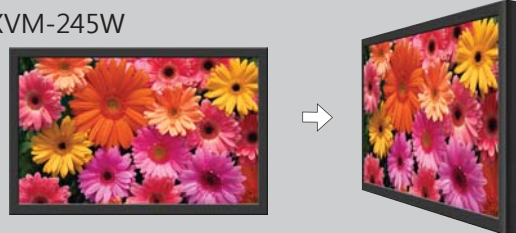## 10 bit Support

Other monitors

XVM-245W

RGB LED backlight control method and the S−IPS Wide Viewing Angle panel are utilized (R/L: 178 U/D: 178)
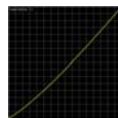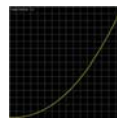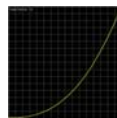
Other monitors

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Adjustable Gamma

Target Gamma : 1.2

Target Gamma : 2.2

Target Gamma : 2.5

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