

XVM-245W

24" (1920x1080) 10 bit Color Critical LCD Monitor

The XVM-245W utilizes a High-Purity RGB Matrix LED backlight array to reproduce the most accurate color possible on an LCD.

Designed in cooperation with the Korean Broadcasting System, the XVM-245W meets all EBU Grade 1 specifications for color critical monitors while retaining all of the broadcast features found in the popular LVM Series.

The XVM-245W features an integrated 3D LUT and supports import and export of popular color grading application LUT formats.

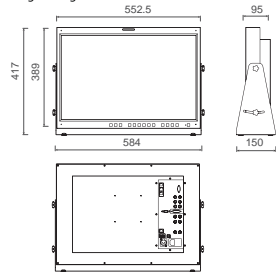


Product Highlight

- 1920x1080 Native HD Resolution (Panel Resolution 1920x1200)
- 1000:1 Contrast Ratio
- 10 bit - 1.07 Billion Colors Support
- High-Purity Precision RGB Matrix LED Backlight Array
- 2 x HD/SD-SDI inputs
- 1 x DVI-I input (W/HDCP) and 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 TLogic Color Calibration Utility for proper color alignment
- Dual-Link/3G Mode - 4:4:4 / 1080p60 compatible
- Matte Finish Panel
- Waveform/Vector Scope (Line selectable)
- Supports External Sync input
- Supports 3D LUT & Adjustable Gamma (1.0 to 3.0) and user defined
- Supports 3rd party 3D LUT formats for import and export
- Supports Multi-point 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)

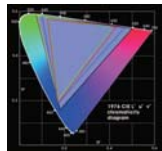
Main Body Dimensions (mm/inch)

- 552.5 x 389 x 95 (21.8 x 15.3 x 3.7)
- 584 x 417 x 150 (23 x 16.4 x 5.9) with stand
- Weight : 7 kg / 15.4 lb



Supports various video standards

The XVM-245W supports the following video standards: SMPTE-C, REC 709 (sRGB), DCI-P3, EBU, and User Defined Color Space.



Specifications

Input	1 x DVI-I	DVI IN	
	3 x BNC	Analog Input	
Output	2 x BNC	SDI A/B Channel Input	
	1 x HDMI	HDMI Input	
	1 x BNC	EXT SYNC INPUT	
	3 x BNC	Analog Loop Through Output	
Input Signal	2 x BNC	SDI A/B Channel Output (Active Through-Out)	
	1 x BNC	EXT SYNC OUTPUT	
	Analog	Composite / S-Video / Component / RGB	
	3G-SDI	2.970Gbps	
	HD-SDI	1.485Gbps	
	SD-SDI	270Mbps	
Analog Input Spec	DVI	VESA/IBM Modes	
	HDMI	480i/480 p/720p/1080i/1080 p & VESA/IBM Modes	
	Composite	1.0Vpp (With Sync)	
SDI Input Signal Format	SMPTE-425M-A/B	1080p (60/59.94/50/30/29.97/25/24/23.98/30sf/29.97sf/25sf/24sf/23.98sf) 1080i (60/59.94/50)	
	SMPTE-372M	Dual HD-SDI YPbPr (4:2:2)	1080p (50 / 59.94 / 60)
		Dual HD-SDI YPbPr/RGB (4:4:4)	1080i (50 / 59.94 / 60)
	SMPTE-274M	1080p (60/59.94/50)	
		1080p (30/29.97/25/24/24sf/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)
	2K Format	2048 x 1080p (24/24sf/23.98sf)	
	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 / m ² at Center (Max. 250cd / m ²)	
	Contrast	800:1	
Power	24V DC / AC100~240 V		
Power Consumption (Approx.)	77 Watts (DC / Typ.)		
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)		
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)		
Accessory	AC Power Cord / NDF Screw		
Option	Carrying Case / 19" Rack Mountable Kit / Dual Link / 3Gb		

* Specifications may be changed without notice.

Flexibility

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

True Multi-Format Support

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

Slim and Smart Design

The XVM-245W offers a slim, adjustable-angle desktop design, low power consumption, and an optional rack mount kit for use in any environment requiring the most accurate color video reproduction possible.

10 bit - 1.07 Billion Colors Support

XVM-245W



OTHER MONITORS



Various Display Modes

PBP FUNCTION 01



PBP FUNCTION 02



RGB Matrix LED backlight in an advanced In-Plane Switched (S-IPS) LCD panel yields both wide gamut color and wide viewing angle (R/L: 178 U/D: 178)

XVM-245W



OTHER MONITORS



TARGET GAMMA : 1.2







TARGET GAMMA : 2.2



TARGET GAMMA : 2.5



Specifications

XVM Series		LQM Series		
				
XVM-245W		LQM-071W	LQM-171W	LQM-241W
Input	1 x DVI-I	DVI IN / VGA IN		
	3 x BNC	Analog Input		
	2 x BNC	SDI 2 Channel Input		
Output	1 x HDMI	HDMI Input		
	1 x BNC	EXT SYNC INPUT		
	3 x BNC	Analog Loop Through		
Input Signal	2 x BNC	SDI A/B Channel Output(Active Through-Out)		
	1 x BNC	EXT SYNC OUTPUT		
	Analog	Composite / S-Video / Component / RGB		
Analog Input Spec	3G-SDI	2.970Gbps		
	HD-SDI	1.485Gbps		
	SD-SDI	270Mbps		
SDI Input Signal Formats	DVI-Digital	640-480 / 800-600 / 1024-768 / 1280-768 / 1280-1024 / 1280-1024 / 1280-1024 / 1600-1200 / 1920-1200 / 1920-1080		
	DVI-Analog	640-480 / 800-600 / 1024-768 / 1280-768 / 1280-1024 / 1280-1024 / 1280-1024 / 1600-1200 / 1920-1200 / 1920-1080		
	HDMI	480i / 480p / 720p / 1080i / 1080p & VESA/IBM Modes		
SDI Input Signal Formats	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)		
Audio IN	RGB	1.0Vpp (G With Sync), 0.7Vpp (B,R)		
	SMPT-425M -A/B	1080p (60/59.94/50) / 20/29.97/25/24/23.98 / 30p/29.97s/25f/24f/23.98f / 1080i (60/59.94/50)		
	SMPT-274M	1080i (60/59.94/50)		
Audio OUT	SMPT-296M	1080p (60/59.94/50) / 720p (60/59.94/50)		
	SMPT-372M	Dual HD-SDI YPbPr (4:2:2) 1080p (60 / 59.94 / 50) / Dual HD-SDI YPbPr/RGB (4:4:4) 1080p (30 / 29.97 / 25 / 24 / 24f / 23.98 / 23.98f)		
	SMPT-260M	1035i (60/59.94)		
Power	SMPT-125M	480i (59.94)		
	ITU-R BT.656	576i (50)		
	2K Format	2048x 1080p (24/24f/23.98/23.98f)		
Operating Temperature	Embedded Audio	Analog Stereo (Phone Jack)		
	Analog Stereo (Phone Jack)	Analog Stereo (Phone Jack)		
	Internal Speaker(Stereo)	Internal Speaker(Stereo)		
Storage Temperature	Power Consumption	18W		
	Power Input	12V DC		
	Operating Temperature	AC 100-240, DC 12/24V		
Main Body Dimensions (mm/inch)	Operating Temperature	-20° to 40° (-4° to 104°)		
	Storage Temperature	0° to 40° (32° to 104°)		
	Storage Temperature	-30° to 50° (-22° to 122°)		
Main Body Dimensions (with stand)	Storage Temperature	-20° to 60° (-4° to 140°)		
	Weight	13.2kg/29.1 lb		
	Weight	11kg/24.25 lb		
Main Body Dimensions (with stand)	Accessory	AC Power Cord / NDF Screw		
	Accessory	AC Power Cord / DC Power Adaptor / Camera Mount		
	Accessory	AC Power Cord / NDF Screw		
Option	Option	19" Rack Mountable Kit(3U)/Dual Monitor/Single Monitor, Carrying Case / Sun-Hood / Acrylic Filter		
	Option	Carrying Case / V-Mount / 19" Rack Mountable Kit(7U) / ND Filter / Sun-Hood		
	Option	Carrying Case / 19" Rack Mountable Kit / ND Filter		

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LHM Series		LHM-400W	LHM-460W	LHM-570W
Input	1 x DVI-I	DVI IN		
	1 x HDMI	HDMI IN		
	1 x D-Sub	RGBHV (VGA) IN		
Input Signal	1 x HD-SDI	HD-SDI IN (Option)		
	1 x 9Pin D-Sub	232 Port		
	2 x RJ45 (RS485)	RS485 Port		
Analog Input Spec	DVI	640x480 / 800x600 / 1024x768 / 1280 x 768 / 1280 x 1024 / 1360 x 768 / 1920 x 1080		
	HDMI	640x480 / 800x600 / 1024x768 / 1280 x 768 / 1280 x 1024 / 1360 x 768 / 1920 x 1080		
	D-Sub	640x480 / 800x600 / 1024x768 / 1280 x 768 / 1280 x 1024 / 1360 x 768 / 1920 x 1080		
LCD Control	HD-SDI	Option		
	D-Sub	1.0Vpp (With Sync)		
	5 Key (Menu, Up, Down, Enter, Power)	IR Remocon (NEC Protocol)		
Remote	2 x RJ45 (RS485)	Standard Direct Cable (UTP Cable)		
	1 x 9Pin D-Sub	1 x RJ45 (Input), 1 x RJ45 (Output)		
	232 Program Update Port	VESA Standard		
DVI, VGA, HDMI Input Signal Formats	1.0Vpp (Y With Sync), 0.286Vpp(C)	1920 x 1080 (60P)		
	1.0Vpp (Y With Sync), 0.7Vpp (Pb,Pr)	1920 x 1080 (60i) Only DVI, HDMI		
	1.0Vpp (G With Sync), 0.7Vpp (B,R)	1920 x 1080 (50i) Only DVI, HDMI		
LCD	Size	40"	46"	57"
	Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)
	Dot Pitch	0.461 mm	0.53 mm	0.651 mm
Power	Color	16.7M (True), 24bit	16.7M (True), 24bit	16.7M (True), 24bit
	Viewing Angle (Typical)	H: 178 degree V: 178 degree	H: 178 degree V: 178 degree	H: 178 degree V: 178 degree
	Luminance of White	500 cd (Center)	500 cd (Center)	600 cd (Center)
Power Consumption (Approx.)	Contrast	3000 : 1	3000 : 1	1200 : 1
	Power Consumption (Approx.)	AC 100 - 240 V	AC 100 - 240 V	AC 100 - 240 V
	Power Consumption (Approx.)	290 Watts	349 Watts	516 Watts
Operating Temperature	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)		
	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)		
	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)		
Storage Temperature	Storage Temperature	-10 °C to +50 °C (14 °F to 122 °F)		
	Storage Temperature	-10 °C to +50 °C (14 °F to 122 °F)		
	Storage Temperature	-10 °C to +50 °C (14 °F to 122 °F)		
Main Body Dimensions (mm/inch)	Main Body Dimensions (mm/inch)	990.6x670.7x103.8 (39.0x23.2x4.1)		1126.6x670.7x103.8 (44.4x26.4x4.1)
	Main Body Dimensions (with stand)	990.6x642.7x255 (39.0x25.3x10.0)		1126.6x723.8x255 (44.4x28.5x10.0)
	Main Body Dimensions (with stand)	1126.6x723.8x255 (44.4x28.5x10.0)		1370x807x120 (54.0x31.8x4.7)
Weight	Weight	35kg / 77.2 lb		42kg / 92.6 lb
	Weight	35kg / 77.2 lb		57kg / 125.6 lb
	Weight	35kg / 77.2 lb		57kg / 125.6 lb
Accessory	Accessory	AC Power Cord / Remote Controller		AC Power Cord / Remote Controller
	Accessory	AC Power Cord / Remote Controller		AC Power Cord / Remote Controller
	Accessory	AC Power Cord / Remote Controller		AC Power Cord / Remote Controller
Option	Option	Carrying Case / ND Filter / Wall Mount		Carrying Case / ND Filter / Wall Mount
	Option	Carrying Case / ND Filter / Wall Mount		Carrying Case / ND Filter / Wall Mount
	Option	Carrying Case / ND Filter / Wall Mount		Carrying Case / ND Filter / Wall Mount

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