

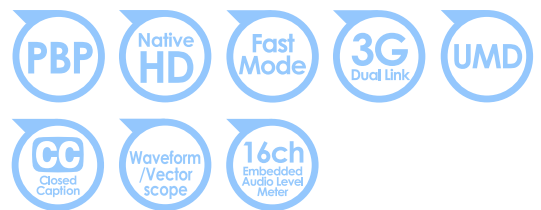
# HD/SD Multi-Format RGB LED LCD Monitors

## XVM-245W (Grade 1)



### 24" (1920 x 1080) 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. 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.



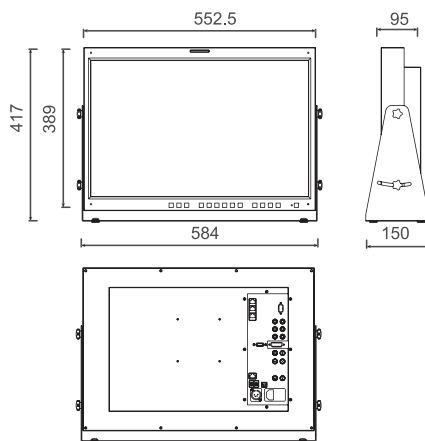
### Product Highlights

- 24" 1920x1080 Native HD Resolution
- Matte Finish Panel
- High-Purity Precision RGB Matrix LED Backlight Array
- 1:1 Pixel Mapping Modes for SD/HD
- Supports TVLogic Color Calibration Utility for proper color alignment
- Supports Multi-point Calibration for RGB and White uniformity correction
- Supports 3D LUT & Adjustable Gamma(1.0 to 3.0), and user-defined mode
- Supports 3rd party 3D LUT formats for import and export
- Firmware update using Ethernet or USB
- GPI (RJ45)
- Timecode Display (VITC/VTC)
- Waveform/Vector Scope (Y/Cb/Cr, Wide type, Line waveform and Range Error)
- Marker
- User Aspect
- Blue Only/Mono
- X3 ZOOM(PBP)
- Key lock
- H/V Delay
- UMD (ANC, Manual, Dynamic and User)
- Closed Caption : CEA-608/708 (SDI)
- Monitor control using RS422
- Low power consumption



### Main body Dimensions

- Weight : 11.05 kg / 24.4 lbs



### 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 Loop Through Output
2 x BNC	SDI A/B Channel Output (Active Through-Out)
1 x BNC	EXT SYNC OUTPUT
Input Signal	
Analog	Composite / S-Video / Component / RGB
3G-SDI	2.970Gb/s
HD-SDI	1.485Gbps
SD-SDI	270Mbps
DVI	VESA / IBM Modes
HDMI	480i/480p/720p/1080i/1080p&VESA/IBM Modes
Analog Input Spec	
Composite	1.0 Vpp (With Sync)
S-Video	1.0 Vpp (Y With Sync), 0.286 Vpp (C)
Component	1.0 Vpp (Y With Sync), 0.7 Vpp (Pb, Pr)
RGB	1.0 Vpp (G With Sync), 0.7 Vpp (B, R)
SDI Input Signal Formats	
SMPTTE-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)
SMPTTE-372M (Dual Link)	Dual HD-SDI YPbPr(4:2:2) 1080p(60/59.94/50) Dual HD-SDI YPbPr(4:2:2) 1080i(60/59.94/50) RGB(4:4:4) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTTE-274M	1080i(60 / 59.94 / 50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTTE-296M	720p(60/59.94/50)
SMPTTE-260M	1035i(60/59.94)
SMPTTE-125M	480i(59.94)
ITU-R BT.656	576i(50)
2K Format	2048 x 1080p(24/24sF/23.98/23.98sF)
LCD	
Size	24"
Resolution	1920 x 1200 (16 : 10)
Pixel Pitch	0.270(H) x 0.270(W) mm
Color	1.07Billion (true 10bit)
Viewing Angle	H : 178 degrees / V : 178 degrees
Luminance of White	250 cd/m <sup>2</sup> (center)
Contrast	1000:1
Display Area	518.4 (H) x 324.0 (V) mm
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Internal Speaker (Stereo) / Analog stereo (Phone Jack)
Power	DC 24V / AC 100 ~ 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
Option	Carrying Case / 19" Rack Mountable Kit(6U)



## Flexibility

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

## True Multi-Format Support

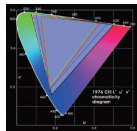
NTSC, PAL, SECAM and all SD/HD digital formats support are standard. This includes PsF formats as a standard feature and support of 1080p60 and 4:4:4 sources over Dual-Link and 3G.

## Slim and Smart Design

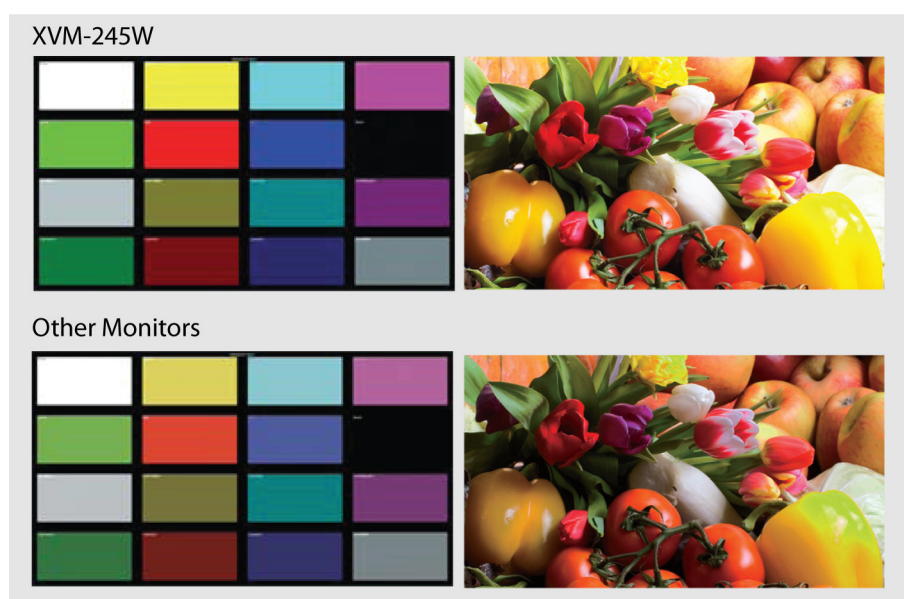
The XVM-245W offers a slim, adjustable angle desktop design, low power consumption and an optional rack mountable kit for use in any environment requiring the most accurate color video reproduction possible.

## Supports various

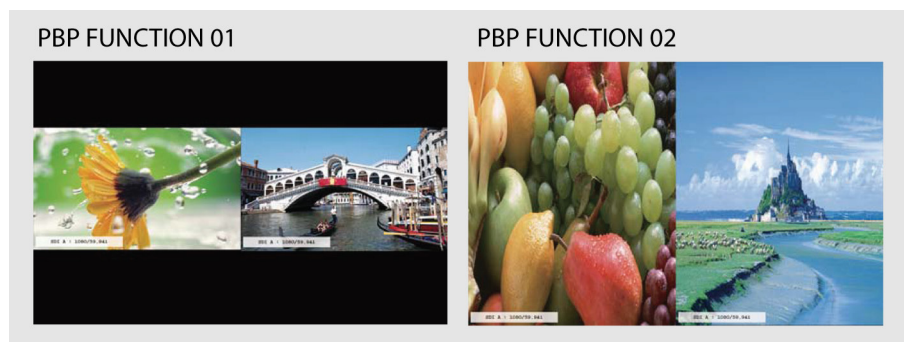
The XVM-245W supports the following video standards: SMPTE-C, REC 709 (sRGB), DCI-P3, EBU and User Defined Color Space.



## 10 bit - 1.07 Billion Colors



## Various Display Modes



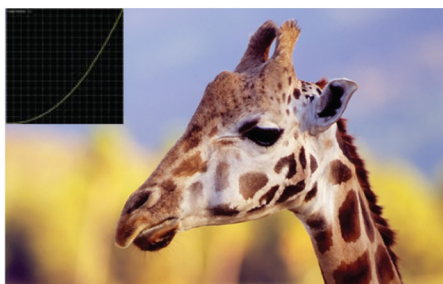
RGB Matrix LED backlight in an advanced In-Plane Switched (S-IPS) LCD panel yields both wide gamut color and wide viewing angle (R/L : 178 U / D : 178)



TARGET GAMMA : 1.2



TARGET GAMMA : 2.2



TARGET GAMMA : 2.5

