

# LEM-150 (OLED)

The world's first professional OLED monitor



The LEM-150 is the first broadcast monitor to utilize an Organic Light Emitting Diode (OLED) display. OLED offers many advantages over conventional flat-panel technologies including highest possible contrast ratio, ultra-wide 180° viewing angle and extremely fast image response.

## Product Highlight

- 15" 1366x768 Active Matrix OLED
- High Contrast 100,000:1
- Low power consumption
- Widest Possible Viewing Angle (180°)
- Fast panel response time
- Firmware update using Ethernet or USB
- 1:1 pixel mapping modes
- Audio Disembedder & Speakers
- 3G-SDI Level A & Level B support
- 3G/ Dual Link Mode – 4:4:4
- User Aspect
- Waveform (Y/Cb/Cr, Wide type, Line waveform, and Range Error)
- Audio level meter display (horizontal/vertical, position, size and decay time selects)
- Selectable audio channels for speaker left/right
- Vector Scope
- Timecode Display (VITC, LTC)
- UMD (ANC, Manual, Dynamic, and User) support and selectable 3 font sizes and selectable tally colors (User Tally type)
- Blue Only, Mono, Focus Assist
- Fast Mode
- GPI (Remote)
- PBP
- Closed Caption (608/708)
- Key lock
- Selectable 3 function keys.
- Monitor control by using RS422
- Marker
- H/V Delay
- Optional 19" Rack Mount Kit available (also VESA compatible)
- Supports TVLogic Color Calibration Utility for proper color alignment

## Main Body Dimensions (mm/inch)

- 370x264x 58 (14.6x 10 x 2.3)
- 417.2x288.2 x 134.6 (16.4 x 11.4 x 5.3) with stand
- Weight : 3.4 Kg / 7.71 lb

## Product Highlight

Input	1 x DVI-I	DVI IN / VGA IN	
	3 x BNC	Analog Input	
	2 x BNC	SDI A/B Channel Input	
	1 x HDMI	HDMI Input	
Output	3 x BNC	Analog Output	
	2 x BNC	SDI A/B Channel Output	
Input Signal	Analog	Composite / S-Video / Component / RGB	
	3G-SDI	2.970 Gb/s	
	HD-SDI	1.485 Gbps	
	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), 0.286 Vpp (C)	
	Component	1.0Vpp (Y With Sync), 0.7 Vpp (Pb, Pr)	
	RGB	1.0Vpp (G With Sync), 0.7 Vpp (B, R)	
SDI Input Signal Formats	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) 1080p/psf (30 / 29.97 / 25 / 24 / 23.98)
	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)		
LCD	Size	15"	
	Resolution	1366 x 768	
	Dot Pitch	0.081 (H) x 0.243 (W) mm	
	Color	16.7M (24bit, True)	
	Viewing Angle (Typical)	H :	180 degrees
		V :	180 degrees
	Luminance of White		200 cd / m <sup>2</sup> (Center)
Contrast		100,000:1	
Display Area		331.938 (H) x 186.624 (V) mm	
Power	12VDC / AC100~240V		
Power Consumption (Approx.)	12 Watts (DC)		
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)		
Storage Temperature	-30 °C to 50 °C (-22 °F to 122 °F)		
Accessory	AC Power Cord		
Option	Carrying Case / V-Mount / 19" Rack Mountable Kit (6U) / Sun-Hood		

\* Specifications may be changed without notice.