

SD/HD/3G-SDI Multi-Format Monitors

LVM-171A



The LVM-171A is a Premium Monitoring Solution for the Most Demanding Applications. It is the higher end of TVLogic's two 17inch monitoring solutions. This unit features a true 16:9 Aspect Ratio LCD panel with 12-bit video processing performance allowing for faithful reproduction of interlaced video and unparalleled scaling performance.

FRONT



- Power On/Off
- Source
- Scan
- Aspect
- Marker
- Function (F1~F3)
- Menu / Exit
- Enter

REAR



- Input
 - 1 x DVI-I
 - 1 x BNC (Analog)
 - 2 x BNC (SDI A/B Channel)
 - 1 x HDMI
- Output
 - 1 x BNC (Analog)
 - 1 x BNC (3G/HD/SD-SDI)

FEATURES

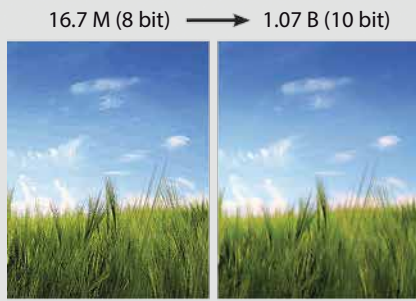
- 16.5" Full HD Resolution (1920x1080)
- 1.07B Colors (10bit)
- Luminance up to 450cd/m²
- High Contrast Ratio of 1400:1
- Accurate Color Reproduction
- Wide Viewing Angle (IPS)
- Firmware update using USB memory stick
- Waveform/Vectorscope
- CC-608 ANC, CC-608 Line 21, CC-708
- TVLogic Color Calibration Utility
- 3G-SDI Level A/B
- Blue Only
- H/V Delay
- Luma (Y') Zone Check
- Mono
- Time Code Display
- User Aspect
- Audio Level Meter
- Focus Assist
- Key Lock
- Marker
- Range Error
- UMD
- Various Scan Mode

Size	16.5"
Resolution	1920 x 1080 (16:9)
Pixel Pitch	0.1905mm
Color Depth	1.07B
Viewing Angle(Typ.)	178°(H)/178°(V)
Luminance(Max.)	450cd/m ²
Contrast Ratio	1,400 : 1
Display Area	365.8(H) x 205.7(V)mm

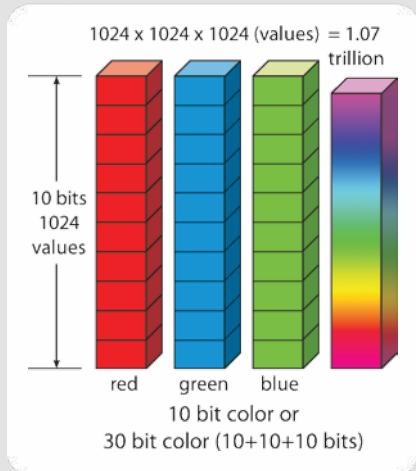
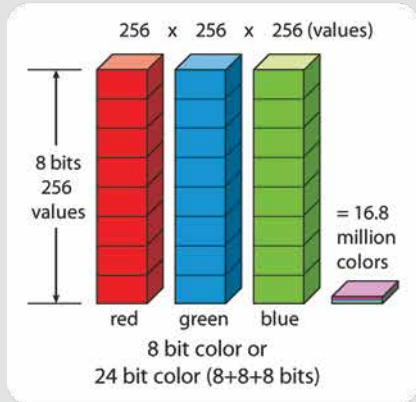
Main body Dimensions

- Main Body : 445 x 264 x 78.4 (mm)
17.52 x 10.39 x 3.09 (inch)
- With stand : 492.2 x 289 x 137.5 (mm)
19.38 x 11.38 x 5.41 (inch)

Expanded Color Depth



Understanding Color Depth 8-bit vs 10-bit



Improved Viewing Angle



Luma(Y') Zone Check

Displays designated Luma(Y') level as a solid color on screen to assist in exposure adjustments.



Markers

- Types : OFF, 16:9, 4:3, 4:3 On-Air, 15:9, 14:9, 13:9, 1.85:1, 2.35:1, 1.85:1 & 4:3
- Safety Area : 80%, 85%, 88%, 90%, 93%, 100%, EBU Action 16:9/14:9/4:3, EBU Graphic 16:9/14:9/4:3
- Marker Mat : darkness level outside the marker, OFF(transparent) ~ 7(Black)
- Custom : Color, thickness, position



Optional Accessories



LVM-171A		
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	
Output		
3 x BNC	Analog Output	
2 x BNC	SDI A/B Channel (Active Through Out)	
Input Signal		
Analog	Composite / S-Video / Component / RGB (D-TV)	
3G-SDI	2.970Gb/s	
HD-SDI	1.485Gb/s	
SD-SDI	270Mb/s	
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-A/B	1080p (50/59.94/600)	
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	Analog Stereo	
Audio OUT	Analog Stereo (Phone Jack)	
Power	DC 12V / AC 100~240V(50~60Hz)	
Power Consumption (Approx.)	TBD	
Operating Temperature	0°C to 45°C (32°F to 113°F)	
Storage Temperature	'-20°C to 60°C (-4°F to 140°F)	
Accessory	AC Power Coard / Stand	

* Specifications may be changed without notice.