

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

## LVM-171A



The LVM-171A is the upgrade version from LVM-170A. Equipped with new IPS technology LCD panel, LVM-171A features Full HD resolution, deep contrast ratio of 1400:1, 10bit color depth and most advanced color viewing angle. This faithful color reproduction combined with TVLogic's advanced video processing performance and the various pro features will give you the best cost-effectiveness in the market.

### 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/m<sup>2</sup>
- 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 <sup>2</sup>
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)

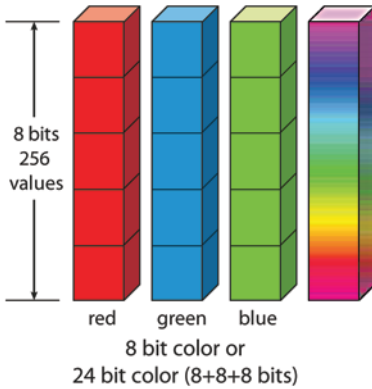
## Expanded Color Depth

16.7 M (8 bit) → 1.07 B (10 bit)

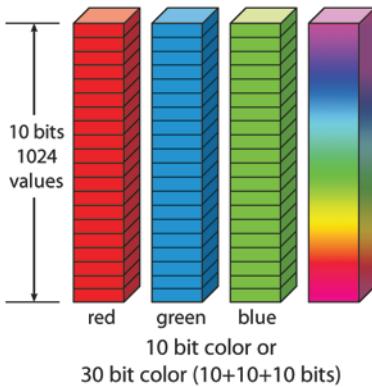


### Understanding Color Depth 8-bit vs 10-bit

256 x 256 x 256(values) = 16.7million



1024 x 1024 x 1024(values) = 1.07trillion



## Luma(Y') Zone Check

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



## Best Viewing Angle



## 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



Model	LVM-171A	
<b>Input</b>		
1 x DVI-I	DVI IN	
3 x BNC	Analog Input	
2 x BNC	SDI A/B Channel Input	
1 x HDMI	HDMI Input	
<b>Output</b>		
3 x BNC	Analog Output	
2 x BNC	SDI A/B Channel (Active Through Out)	
<b>Input Signal</b>		
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	
<b>Analog Input Spec</b>		
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)	
<b>SDI Input Signal Formats</b>		
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.)	60Watts	
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.