

# 2018 Line-Up for Broadcast Display

Multi-Format Broadcast and Professional Monitors



F-7H  
The Brightest 7-inch Field Monitor

**TVlogic**<sup>®</sup> Always ON-AIR



# TVLogic Product Lineup 2018



	VFM / F	RKM	LVM/SRM	SWM	XVM	LEM	LUM
3"~		535A 443A					
5"~	055A	356A					
7"~	<b>F-7H <i>New</i></b>	270A	070C 075A				
9"~		290A	095W-N SRM-095W-N				
17"~			170A 171A <b>171S <i>New</i></b>	171A	177A		171G
20"~			212W				
23"~			232W-A <b>241S <i>New</i></b> 246W				240G
30"~			328W				<b>313G <i>New</i></b> <b>318G <i>New</i></b> <b>310R <i>New</i></b>
40"~			420A 460A 550A	420A 460A 550A		<b>550R <i>New</i></b>	<b>430M <i>New</i></b> 550M

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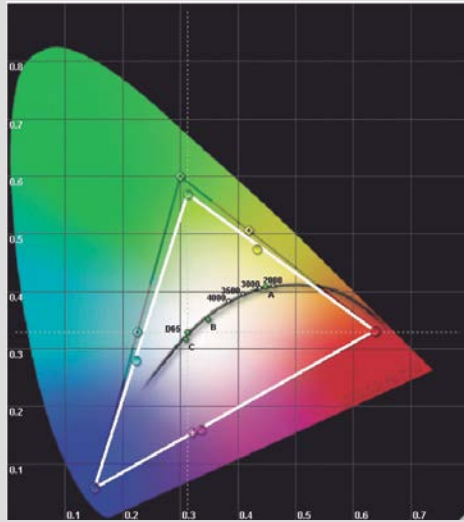
\* All monitor specifications may be changed without notice.

## About TVLogic Monitor

# Accurate Color, Precise Calibration, and Field Upgradability

### Accurate Color Reproduction

TVLogic monitors support color gamuts that conform to the ITU standard and match EBU/Rec. 709 specifications for HD broadcast video, allowing for accurate and standardized color reproduction.



### Field Upgradability

All TVLogic monitors are field upgradable using a USB thumb drive or an optional handheld upgrade tool that quickly and easily loads firmware updates into individual monitors.

TVLogic offers all standard feature upgrades and firmware updates free for a period of two years to users who update a supported TVLogic monitor via USB or our handheld upgrade tool.



### Observer system

'Observer' is a free wall monitor management software via network. It provides you with comprehensive control over the multiple monitors via Ethernet or RS-422. Turning on and off the power, controlling the OSD menu or short cut keys can be managed on the user's PC. Observer also provides firmware upgrade functions, which are only available via an Ethernet connection.

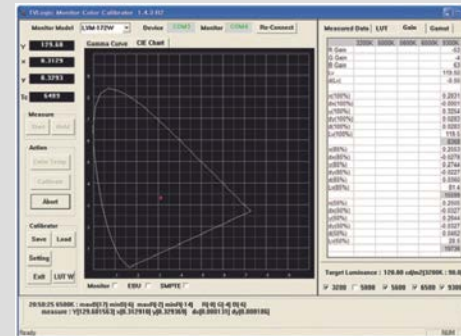


### Color Calibration

All TVLogic monitors are calibrated prior to shipment for optimal luminance, gamma and color temperature measurements. With use, however, backlights age differently, as do OLED phosphors.

So, we also offer a free TVLogic Color Calibration Utility that automatically realigns our monitors for accurate color reproduction. Eight different measurement probes are supported that cover various requirements of sensitivity, speed and budget.

TVLogic recommends the Klein K-10A probe as it offers both fast and highly accurate calibration as well as broad compatibility with the entire TVLogic line. Additional supported probes include the X-Rite i1Display Pro by TVLogic OEM (included with TVLogic Color Calibration Utility Software), as well as the more advanced Konica Minolta CA-210 Color Analyzer and DKTechnologies PM5639.



TVLogic is providing its customers with its unique calibration software for FREE



### Preferred Features

Most TVLogic monitors are bundled with standard desktop stands and offer many features such as 608/708 closed captioning support, 3D LUT import and export, Active Format Description support, built-in Waveform and Vectorscope, 3G input, rack mount options and more that make them the most versatile broadcast and professional monitors in the industry.



## Industry-Leading Broadcast Features and Superior Video Engineering



IAAF World Championships Daegu 2011

### Broadcast Features

- Multi-Format Support (480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 1080PsF, 2K, 4K)
- Assignable Remote Control
- H/V Delay / User Aspect
- Blue Only / Mono
- Wide Variety of Markers & Safety Areas including User Defined Markers
- AutoSensing AutoSwitching HD/SD-SDI Inputs
- Multi-Format Analog / Digital Signal Support (CVBS / S-Video / Component Video / RGB / DVI or VGA / HDMI)
- HDMI input (HDCP decryption)
- 2 x Reclocked Active Thru (SDI)
- 3G / Dual-Link compatibility on 5.5", 7", 9", 17", 18", 21", 23", 24", 32", 42", 43", 46", and 55" units
- Built in Audio Disembedder and Internal Speakers
- Selectable Color Temperature (3200K, 5000K, 5600K, 6500K, 9300K and user-defined modes)
- Source ID function / UMD (ANC, Manual, Dynamic and User)
- Timecode display (VITC & LTC)
- Closed Caption decoding (CEA-608 / CEA-708 / OP42 / OP47)
- Brightness, Contrast, Chroma, Hue and Backlight adjustability
- Waveform / Vectorscope
- Firmware update using TVLogic Update Tool
- 3D LUT import / Export
- Support (Rec.709 / Rec.2020 / DCI-P3)
- HDR Emulation feature

### Flexibility

#### True Multi-Format Support

SD and HD digital as well as analog TV standards (NTSC, PAL, SECAM) are fully supported. Additionally, VGA, DVI, Component, CVBS, S-VIDEO, HDMI, 3G-SDI support is standard on LVM-XX3Ws, LEM, LUM and XVM series monitors.

#### Slim & Smart Design

Slim, single-piece integrated design and easy-to-use rack mount kits for 7" - 24" monitors allow for flexible installation with any application from mobile production to master control room and everything in between.

### Superior Picture Quality

#### Full Native HD Resolution

The 5.5", 7", 9", 17", 18", 21", 23", 24", 31", 42", 43", 46", 47" and 55" models support native Full HD resolution of 1920 x 1080 pixels. Models 18.5" and below offer full native resolution support of 720p. All monitors are capable of full screen native, full screen scaled or 1:1 pixel mapped display at each screen's maximum resolution.

And all models can be automatically calibrated with our optional Color Calibration Utility.

#### Industry-Leading Video Processing

TVLogic monitors integrate our proprietary Advanced Digital Signal Processing Algorithms with an unparalleled video processing, scaling and deinterlacing architecture to provide superior video quality and accurate picture reproduction for every monitor in TVLogic's extensive product line.

#### Accurate Colorimetry

TVLogic's advanced automatic alignment technology ensures matching displays that are calibrated to precise Rec. 709 (=ITU-R BT.709) specifications.

## • About TVLogic Monitor Series



### ↑ VFM Series

The VFM-055A is ideal for small camera/HDSLR production. A compact and light-weight magnesium-alloy case houses a 5.5" Full HD 1920x1080 resolution OLED display with a full complement of preferred features, including DSLR Scale, Focus Assist, Various Scan Modes, Markers, Audio Level Meter with speaker, Time Code Display, HDMI-SDI conversion output, Waveform/Vectorscope, Luma(Y') Zone Check and Range Error.

The VFM-055A offers outstanding picture quality and include mounting holes on top, bottom, right and left for convenient mounting on or near the camera. TVLogic also provides various optional accessories including Sun-Hood, Acrylic Protector Screen and Battery Brackets to meet the needs of professional HDSLR and Compact Digital Cinema Camera operators.



### ← SWM Series

The SWM series monitors are newly designed for the best match for the studio walls. A clean bezel with only a power button and a small indication lamp secures the best monitoring condition for the users.

Along with the traditional interfaces of SDI, HDMI and DVI, the optical fiber interface has been added for the user's choice. It supports video formats up to 3G-SDI and professional features such as Marker, Timecode, Audio Level Meter, various CCs and UMDs.



### ↑ XVM Series

The XVM Series provides highly accurate color reproduction as required by the most demanding monitoring applications.

Our most color-accurate LCDs and feature true 10-bit display drivers, high-purity RGB matrix LED backlight system and TVLogic's most advanced video processing engine.

Industry-leading color management is achieved using the XVM's built-in 3D Look-Up-Table to import/export 3rd party 3D LUTs and precisely reproduce various color gamuts with excellent grayscale linearity.

The XVM supports a full range of HD and SD digital formats including standard Analog, HDMI, DVI input single and dual-link plus 3G-SDI.



### ↑ RKM Series

Five rack-mountable monitors with 3G-SDI capability and professional features such as Audio Level Meters, Time Code Display, Waveform/Vector Scopes and etc.





### ↑ LVM Series

The LVM Series is designed to offer superior picture quality, wide viewing angle and professional broadcast functionality.

Ten sizes and models offer the best solutions from field recording to master monitoring in studio.

LVM series monitors accept most standard input formats and are compatible with a wide range of professional video monitoring requirements.

Slim, single-piece integrated designs, low power consumption, and easy-to-use rack mount kits for 7" - 24" monitors help to meet all your monitoring requirements.

All LVM series models offer various broadcast features including Waveform, Vectorscope, Focus Assist, Embedded Audio Level Meter, Closed Caption, UMD, Markers/Mattes, 1:1 pixel mode and more.

### ↓ LUM Series

The LUM series offers Eight monitors with UHD/4K resolution, precise color reproduction, and wide color gamut. TVLogic introduced one of the 1st generation 4K monitors, the LUM-560W in 2010.

Our latest offerings include a 31" True 4K monitors and 24" and 55" UHD monitors with up to 12G single SDI input.



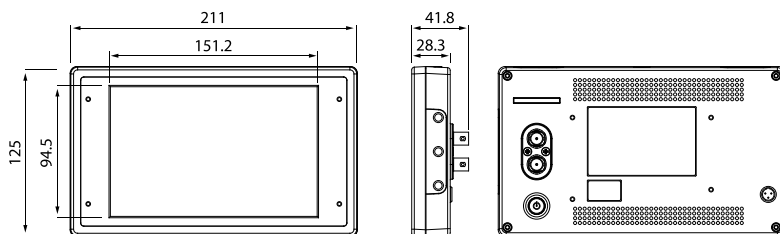
## Brightest Field Monitor

# F-7H *New!*



### Main body Dimensions

- Main Body : 211 x 125 x 28.3 (mm) / 8.3 x 4.95 x 1.11 (inch)
- Weight : 0.76g / 1.68lbs



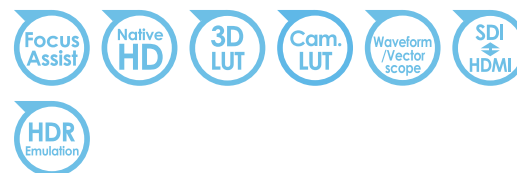
### Optional Accessories



### The brightest 7" field monitor with HDR Emulation

The F-7H is a 7-inch field Full HD resolution (1920 x 1080) production monitor with ultra-high luminance of 3,600nit. The F-7H provides SDI ↔ HDMI cross conversion with 1 SDI input, 1 SDI output, 1 HDMI input and 1 HDMI output interfaces.

It also supports all the professional features such as Waveform & Vectorscope, Audio Level Meters, Focus Assist, Range Error, Time Code Display, various Aspect Ratio and Markers, 3D LUT import, Camera Logs and HDR emulation including HDR EOTFs of PQ, HLG and SLog3.



### Product Highlights

- 7" Full HD Resolution (1920 x 1080)
- Luminance up to 3,600cd/m<sup>2</sup>
- Contrast Ratio of 1,200:1
- Waveform/ Vectorscope
- H/V Flip
- HDR Emulation (PQ, HLG, S Log 3)
- Split Zoom
- Arri Metadata
- Focus Assist
- Custom 3D LUT Import
- Anamorphic Desqueeze
- Accurate Color Reproduction
- Camera LUTs support
- HDMI ↔ SDI cross conversion
- Various Optional Accessories
- Firmware update by USB flash drive
- Audio Level Meter Display
- Luma(Y) Zone Check
- Zoom
- Key Lock
- Marker
- H/V Delay
- TVLogic Color Calibration Utility
- Mono
- Time Code Display
- Range Error
- Various Scan Modes
- User Aspect

<b>Size</b>	7"
<b>Resolution</b>	1920 x 1080 (16 : 9)
<b>Pixel Pitch</b>	0.078(H)×0.078(V)mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle (Typ.)</b>	160°(H) / 160°(V)
<b>Luminance (Max.)</b>	3600cd/m <sup>2</sup>
<b>Contrast Ratio</b>	1200:1
<b>Display Area</b>	151.2(H)×94.5(V)mm
<b>Input</b>	
1 x BNC	SDI Input
1 x HDMI	HDMI Input
<b>Output</b>	
1x BNC	SDI Output, HDMI to SDI conversion output
1x HDMI	HDMI Output, SDI to HDMI conversion output
<b>Input Signal</b>	
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI	1080p(60/59.94/50/30/25/24/23.98) / 1080i(60/59.94/50) / 720p(60/50) / 480i(60)/480p(60) / 576i(50)/576p(50)
<b>SDI Input Signal Formats</b>	
<b>SMPTE-425M-A/B</b>	1080p (60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
<b>SMPTE-274M</b>	1080i (60/59.94/50) 1080p (30/29.97/25/24/24sF/23.98/23.8sF)
<b>SMPTE-296M</b>	720p (60/59.94/50)
<b>SMPTE-125M</b>	480i (59.94)
<b>ITU-R BT.656</b>	576i (50)
<b>2K Format</b>	2048×1080p(24/24sF/23.98/23.98sF)
<b>Audio In</b>	Embedded Audio
<b>Audio Out</b>	Analog Stereo (Phone Jack)
<b>Power</b>	DC 12V
<b>Power Consumption (Approx.)</b>	TBD
<b>Operating Temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	D-Tap Cable Camera Mount / BNC Connector

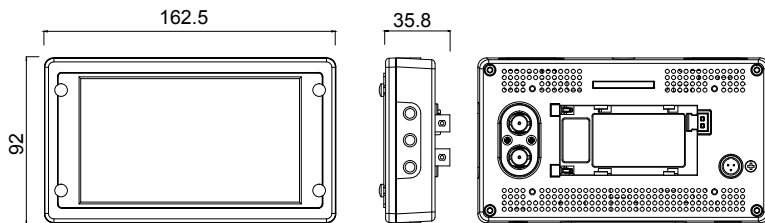
# Viewfinder OLED Monitor

## VFM-055A



### Main body Dimensions

- Main Body : 162.5 x 92 x 35.8 (mm) / 6.4 x 3.62 x 1.41 (inch)  
 - Weight : 0.42kg / 0.92lbs

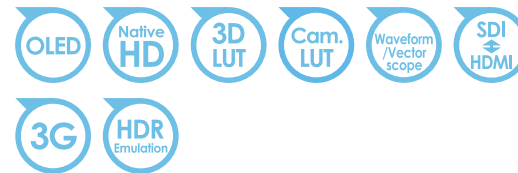


### Optional Accessories



### 5.5" Full HD OLED Viewfinder

The VFM-055A is a 5.5" OLED (organic LED) on-camera viewfinder monitor with native 1920x1080 resolution. It offers truly cinematic image quality with deep blacks, wide-gamut color reproduction, a very wide viewing angle, and support for multiple video formats via 3G-SDI and HDMI inputs. Useful functions include cinema camera log-to-linear LUT conversion, HDMI-SDI cross-converted output, Waveform/Vectorscope, Markers, Focus Assist, Audio Level Meters and more.



### Product Highlights

- 5.5" Full HD Resolution (1920x1080)
- State-of-the-art AM-OLED Technology
- Luminance up to 350cd/m<sup>2</sup>
- Contrast Ratio of 17,000:1
- Accurate Color Reproduction
- Camera LUTs support
- HDMI ↔ SDI cross conversion
- Built-in battery bracket (Sony L-series)
- Various optional Accessories
- Firmware update by USB flash drive
- Audio Level Meter Display
- Luma(Y) Zone Check
- Key Lock
- H/V Delay
- Time Code Display
- Various Scan Modes
- Waveform / Vectorscope
- HDR emulation
- Arri Metadata
- Custom 3D LUT import
- TVLogic Color Calibration Utility
- Zoom
- Marker
- Mono
- Range Error
- User Aspect
- H/V Flip
- Split Zoom
- Focus Assist
- Anamorphic Desqueeze

<b>Size</b>	5.5"
<b>Resolution</b>	1920 x 1080 (16 : 9)
<b>Pixel Pitch</b>	0.063mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle (Typ.)</b>	160°(H) / 160°(V)
<b>Luminance (Max.)</b>	350cd/m <sup>2</sup> (Typ.)
<b>Contrast Ratio</b>	17000:1
<b>Display Area</b>	121(H) × 68(V) mm

Input	
1 x BNC	SDI Input
1 x HDMI	HDMI(1.2Ver) Input

Output	
1x BNC	SDI Output, HDMI to SDI conversion output
1x HDMI	HDMI Output, SDI to HDMI conversion output

Input Signal	
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI	1080p(60/59.94/50/30/25/24/23.98)/1080i(60/59.94/50)/720p(60/50)/480i(60)/480p(60)/576i(50)/576p(50)/640x480/720x400/800x600/1280x1024

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)
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)

<b>Audio In</b>	Embedded Audio
<b>Audio Out</b>	Analog Stereo (Phone Jack)
<b>Power</b>	DC 12V
<b>Power Consumption (Approx.)</b>	11Watts (Max.)
<b>Operating Temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	D-Tap Cable Camera Mount / Acrylic Protector



# LVM-070C



## 7" Field Monitor

The LVM-070C offers TVLogic quality, reliability and pro features at a lower price-point. With a high resolution 1024 x 600 (16:9) 7 inch LCD display, the LVM-070C accommodates multi-format digital 3G/HD/SD-SDI and HDMI signals as well as analog inputs. The many features of the LVM-070C include Waveform/Vectorscope, Focus Assist, Log to Linear conversion LUT, Audio Level Meters and more.

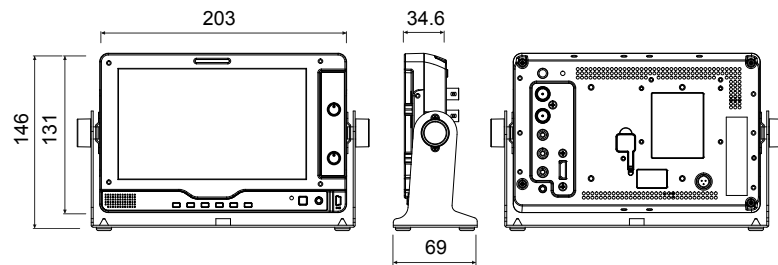


## Product Highlights

- 7" 1024 x 600 (16:9) Resolution
- White LED Backlight
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- Focus Assist
- Luma(Y) Zone Check
- Marker
- Max Brightness On / Off
- Mono
- Range Error
- Temperature Adaptive Color
- Time Code Display
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- Zoom
- Camera LUT
- TVLogic Color Calibration Utility

## Main body Dimensions

- Main Body : 203 x 131 x 34.6 (mm) / 8 x 5.16 x 1.36 (inch)
- With stand : 240 x 146 x 69 (mm) / 9.44 x 5.74 x 2.72 (inch)
- Weight : 0.9kg / 1.98lbs



## Optional Accessories



Size	7"
Resolution	1024 x 600 (16:9)
Pixel Pitch	0.15mm
Color Depth	16.7M
Viewing Angle (Typ.)	160°(H)/160°(V)
Luminance (Max.)	400cd/m <sup>2</sup>
Contrast Ratio	800:1
Display Area	153(H)X90(V)mm

Input	
1 x HDMI	HDMI Input
3 x RCA	Analog Video Input
1 x BNC	SDI 1 Channel Input
Output	
1 x BNC	SDI Channel Output (Loop Through Out)
Input Signal	
Analog	CVBS / S-Video / Component Video
3G-SDI	2.97Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI	1080p (24/25/30/50/60)/1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)
Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL
S-Video	1.0Vp-p (Y With Sync), 0.286/0.300 Vp-p (Chroma)
Component Video	1.0Vp-p (Y With Sync), ±350mV (Pb,Pr)
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-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 (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) / Internal Speaker (Mixed Mono)
Power	DC 12V
Power Consumption (Approx.)	20Watts (Max.)
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 / DC Power Adaptor / Camera Mount Support / Stand

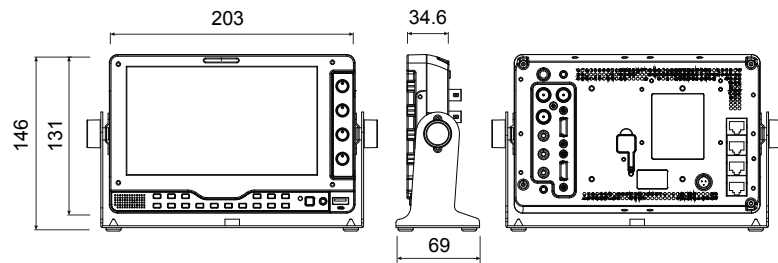


# LVM-075A



## Main body Dimensions

- Main Body : 203 x 131 x 34.6 (mm) / 8 x 5.16 x 1.36 (inch)
- With stand : 240 x 146 x 69 (mm) / 9.44 x 5.74 x 2.72 (inch)
- Weight : 1.04kg / 2.29lbs

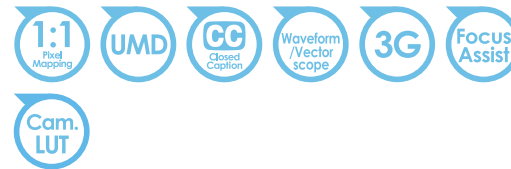


## Optional Accessories



## 7" FHD Monitor

The LVM-075A is the sharpest and most color-accurate 7" monitor available today. With an upgraded 1920 x 1080 LCD module, the LVM-075A supports C-Log/S-Log 1, 2 & 3 and RED Gammas 3&4 conversion to Rec.709 color gamut and includes Waveform/Vector Scope, Focus Assist, Audio Level Meters, UMD and Closed Captioning and more.



## Product Highlights

- 7" 1920 x 1080 (16:9) Resolution
- HDMI to SDI conversion
- White LED Backlight
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- 3G-SDI Level A/B
- Audio Level Meter Display
- Max Brightness On / Off
- Temperature Adaptive Color
- Time Code Display
- Various Scan modes
- Waveform/Vectorscope
- CC-608 LINE 21/ANC, CC-708
- Blue Only
- H/V Delay
- Marker
- Mono
- User Aspect
- Camera LUT
- Focus Assist
- H/V Flip
- Luma('Y') Zone Check
- Range Error
- Zoom
- TVLogic Color Calibration Utility

Size	7"
Resolution	1920X1080 (16:9)
Pixel Pitch	0.081mm
Color Depth	16.7M
Viewing Angle (Typ.)	170°(H)/170°(V)
Luminance (Max.)	600cd/m <sup>2</sup>
Contrast Ratio	800:1
Display Area	155(H) X 87(V)mm

Input	
1 x HDMI	HDMI Input
3 x RCA	Analog Video Input
2 x BNC	SDI 2 Channel Input
Output	
1 x BNC	SDI Channel Output (Loop Through Out) / HDMI to SDI conversion output
1 x HDMI	HDMI (Loop Through Out)
Input Signal	
Analog	CVBS / S-Video / Component Video
3G-SDI	2.97Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI	1080p (24/25/30/50/60)/1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)
Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL
S-Video	1.0Vp-p (Y With Sync), 0.286/0.300 Vp-p (Chroma)
Component Video	1.0Vp-p (Y With Sync), ±350mV (Pb,Pr)
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-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) / Internal Speaker (Mixed Mono)
Power	DC 12V
Power Consumption (Approx.)	20Watts (Max.)
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 / DC Power Adaptor / Camera Mount Support / Stand/ Acrylic Protector

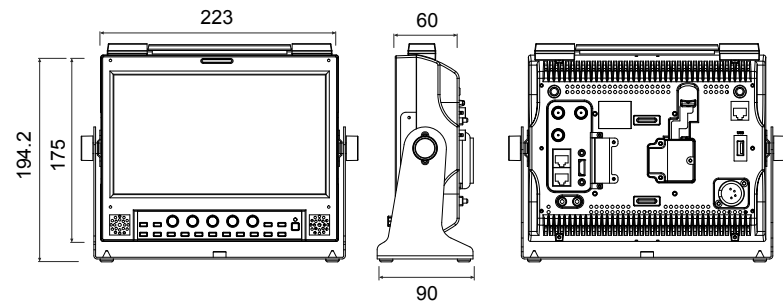
# SD/HD/3G-SDI Multi-Format Monitors

## LVM-095W-N



### Main body Dimensions

- Main Body : 223 x 175 x 60 (mm) / 8.78 x 6.89 x 2.36 (inch)
- With stand : 260 x 194.2 x 90 (mm) / 10.24 x 7.65 x 3.54 (inch)
- Weight : 2.1Kg / 4.63lbs



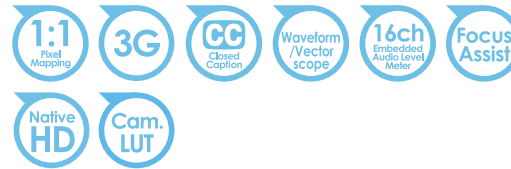
### Optional Accessories



### 9" FHD Multi-purpose Monitor

The LVM-095W-N is the 9" Full HD monitor that corresponds with a wide range of image sources (3G HD/SD-SDI, HDMI) and provides a wide viewing angle (176 degrees).

For maximized efficiency and economic feasibility, LVM-095W-N is constructed from aluminum for an extra-light body weight and holds a built-in V-Mount. Upgraded with new FHD panel with accurate color reproduction capability that exactly meets the HDTV standards, LVM-095W-N gives super clear picture quality with powerful features.



### Product Highlights

- 9" 1920 x 1080 (16:9) Resolution
- HDMI to SDI conversion
- Temperature Adaptive Color
- 3G-SDI Level A/B
- Luma(Y) Zone Check
- Various Scan modes
- Blue Only
- H/V Delay
- Key lock
- Mono
- UMD
- Zoom
- CC-608 LINE 21/ANC, CC-708
- TVLogic Color Calibration Utility
- Audio Level Meter Display
- Time Code Display
- Waveform/Vectorscope
- Focus Assist
- H/V Flip
- Marker
- Range Error
- User Aspect
- Camera LUT

Size	9"
Resolution	1920 x 1080 ( 16 : 9 )
Pixel Pitch	0.1035mm
Color Depth	16.7M
Viewing Angle (Typ.)	176°(H) / 176°(V)
Luminance (Max.)	400cd/m <sup>2</sup>
Contrast Ratio	750:1
Display Area	198(H) x 111(V) mm

Input	
2 x BNC	SDI A/B Channel Input
1 x HDMI	HDMI 1 Input
Output	
1 x BNC	SDI A/B Selected Channel Output / HDMI to SDI conversion output
Input Signal	
Analog	CVBS (SDI B port select)
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI (PC & HDMI mode)	1080p (23.98/24/25/30/50/59.94/60)/1080i(50/59.94/60)/720p(50/60)480i(60)/480p(60)/576i(50)/576p(50)640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768
Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL
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)
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)
2K Format	2048 x 1080p (24/24sF/23.98/23.98sF)
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)
Power	DC 12/24V
Power Consumption (Approx.)	DC 24 Watts (Max. 2A)
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 Cord / DC Power Adaptor / Camera Mount Support / Handle / Stand

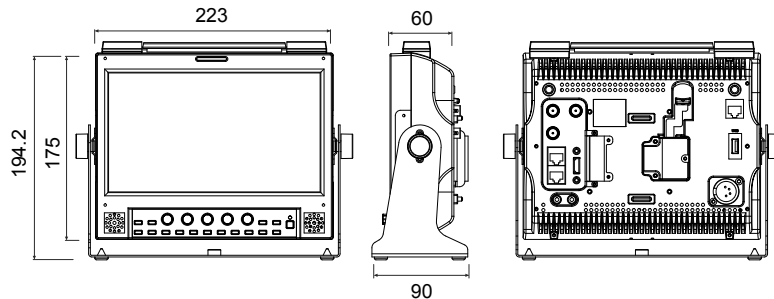
# Sunlight Readable Monitor

## SRM-095W-N



### Main body Dimensions

- Main Body : 223 x 175 x 60 (mm) / 8.78 x 6.89 x 2.36 (inch)
- With stand : 260 x 194.2 x 90 (mm) / 10.24 x 7.65 x 3.54 (inch)
- Weight : 2.1Kg / 4.63lbs

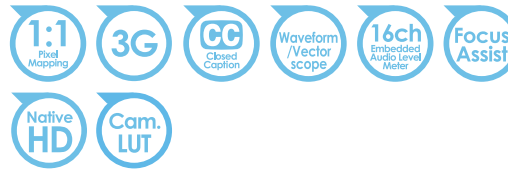


### Optional Accessories



### The Most Comprehensive 9" HD LCD Display Available

The SRM-095W-N is a 9" 1920x1080 native LCD production monitor with a maximum brightness of 900 nits. Enclosed in a cast aluminum case for light weight yet highly durable and reliable daylight monitoring, the SRM-095W-N has both 3G-SDI and HDMI input and output and is equipped with Waveform/Vectorscope, Markers, Focus Assist and more.



### Product Highlights

- 9" 1920 x 1080 (16:9) Resolution
- Temperature Adaptive Color
- 3G-SDI Level A/B
- Luma(Y) Zone Check
- Various Scan modes
- Blue Only
- H/V Delay
- Key lock
- Mono
- UMD
- Zoom
- CC-608 LINE 21/ANC, CC-708
- TVLogic Color Calibration Utility
- Audio Level Meter Display
- Time Code Display
- Waveform/Vectorscope
- Focus Assist
- H/V Flip
- Marker
- Range Error
- User Aspect
- Camera LUT

Size	9"
Resolution	1920 x 1080 ( 16 : 9 )
Pixel Pitch	0.1035mm
Color Depth	16.7M
Viewing Angle (Typ.)	176°(H) / 176°(V)
Luminance (Max.)	900cd/m <sup>2</sup>
Contrast Ratio	750:1
Display Area	198(H) x 111(V) mm

Input	
2 x BNC	SDI A/B Channel Input
1 x HDMI	HDMI 1 Input
Output	
1 x BNC	SDI A/B Selected Channel Output / HDMI to SDI conversion output

Input Signal	
Analogue	CVBS (SDI B port select)
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI (PC & HDMI mode)	1080p (23.98/24/25/30/50/59.94/60)/1080i(50/59.94/60)/720p(50/60)480i(60)/480p(60)/576i(50)/576p(50)640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768

Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL

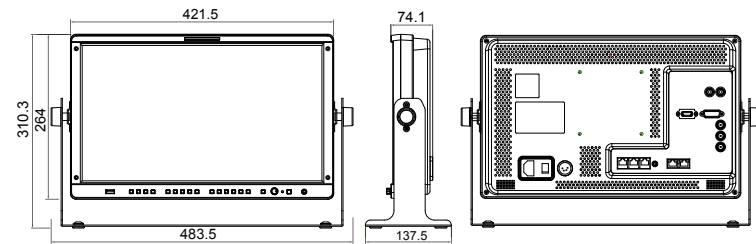
SDI Input Signal Formats	
SMPTE-425M-A/B	1080p (60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
SMPTE-274M	1080i (60 / 59.94 / 50) 1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE-296M	720p (60/59.94/50)
SMPTE-260M	1035i (60/59.94)
SMPTE-125M	480i (59.94)
ITU-R BT.656	576i (50)
2K Format	2048 x 1080p (24/24sF/23.98/23.98sF)
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)
Power	DC 12/24V
Power Consumption (Approx.)	DC 32Watts
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 Cord / DC Power Adaptor / Camera Mount Support / Handle / Stand

# LVM-170A



## Main body Dimensions

- Main Body : 421.5 x 264 x 74.1 (mm) / 16.59 x 10.39 x 2.91 (inch)
- With stand : 483.5 x 310.3 x 137.5 (mm) / 19.03 x 12.2 x 5.41 (inch)
- Weight : 4.2kg / 9.25lb

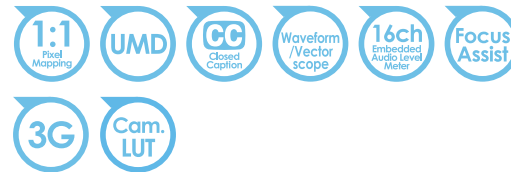


## Optional Accessories



## A multi-purpose 17" Full HD Monitoring Solution

The LVM-170A is the Full HD version of TVLogic's 17inch monitoring solutions. This unit features a true 16:9 aspect ratio LCD panel with 1920x1080 resolution and 12-bit video processing performance allowing for faithful color reproduction and video scaling performance.



## Product Highlights

- 17.3" 1920x1080 (16:9) Resolution
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- Focus Assist
- H/V Delay
- Key lock
- Luma(Y) Zone Check
- Marker
- Mono
- Time Code Display
- User Aspect
- Loudness Check
- Waveform/Vectorscope
- CC-608 ANC / CC-608 LINE 21 / CC-708
- TVLogic Color Calibration Utility
- Range Error
- UMD
- Camera LUT
- Various Scan modes

Size	17.3"
Resolution	1920 x 1080 (16 : 9)
Pixel Pitch	0.199mm
Color Depth	16.7M
Viewing Angle (Typ.)	170°(H) / 170°(V)
Luminance (Max.)	300cd/m <sup>2</sup> (center)
Contrast Ratio	700:1
Display Area	381(H) x 214(V) mm

Input	
1 x BNC	CVBS
2 x BNC	SDI A/B Channel Input
1 x HDMI	HDMI Input
1 x DVI - I	DVI Input

Output	
1 x BNC	CVBS
1 x BNC	3G/HD/SD-SDI OUT

Input Signal	
Analog	CVBS
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
DVI-Analog	640x480/720x400/800x600/1024x768/1280x1024/1366x768
DVI-D (PC & HDMI)	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1080p(23.98/24/25/30/50/60)/1080i(50/59.94/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)
HDMI (PC & HDMI)	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1080p(23.98/24/25/30/50/60)/1080i(50/59.94/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)

Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL
S-Video	1.0Vp-p (Y With Sync), 0.286/0.300 Vp-p(Chroma)
Component Video	1.0Vp-p (Y With Sync), ±350mV (Pb,Pr)
RGB	1.0Vp-p (G With Sync), 0.7Vp-p (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-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)

2K Format	2048 x 1080p (24/24sF/23.98/23.98sF)
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack) Internal Speaker (Stereo)
Power	DC 12V / AC 100~240V (50~60Hz)
Power Consumption (Approx.)	60Watts
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 / Stand / USB Cover

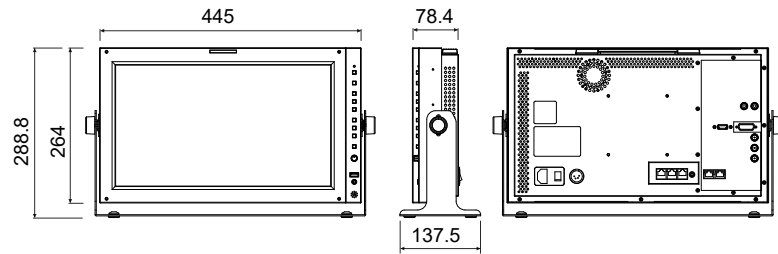


# LVM-171A



## 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)
- Weight : 6.8kg / 14.99lbs

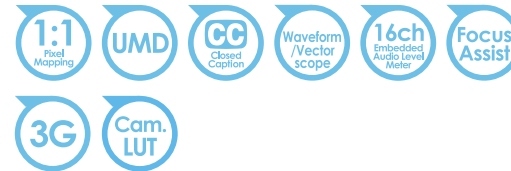


## Optional Accessories



## A multi-purpose 17" Full HD Monitoring Solution

The LVM-171A is the Full HD version of TVLogic's 17inch monitoring solutions. This unit features a true 16:9 aspect ratio LCD panel with 1920x1080 resolution and 12-bit video processing performance allowing for faithful color reproduction and video scaling performance.



## Product Highlights

- 16.5" 1920x1080 (16:9) Resolution
- 3G-SDI Level A/B
- Audio Level Meter Display
- Luma(Y) Zone Check
- Various Scan modes
- Waveform/Vectorscope
- Marker
- CC-608 LINE 21/ANC, CC-708
- Blue Only
- Focus Assist
- H/V Delay
- Mono
- Time Code Display
- User Aspect
- Camera LUT
- TVLogic Color Calibration Utility
- Key lock
- Range Error
- UMD
- User Aspect
- Loudness Check

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> (center)
Contrast Ratio	1500:1
Display Area	366(H) x 206(V) mm

Input	
1 x BNC	CVBS
2 x BNC	SDI A/B Channel Input
1 x HDMI	HDMI Input
1 x DVI - I	DVI Input

Output	
1 x BNC	CVBS
1 x BNC	SDI A/B Selected Channel Output (Loop Through Out)

Input Signal	
Analog	CVBS
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
DVI-Analog	640x480/720x400/800x600/1024x768/1280x1024/1366x768
DVI-D (PC & HDMI)	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1080p(23.98/24/25/30/50/60)/1080i(50/59.94/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)
HDMI (PC & HDMI)	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1080p(23.98/24/25/30/50/60)/1080i(50/59.94/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)

Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL

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-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)
2K Format	2048 x 1080p (24/24sF/23.98/23.98sF)

Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack) Internal Speaker (Stereo)
Power	DC 12 / AC 100~240V (50~60Hz)
Power Consumption (Approx.)	32Watts
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 / Stand / USB Cover

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

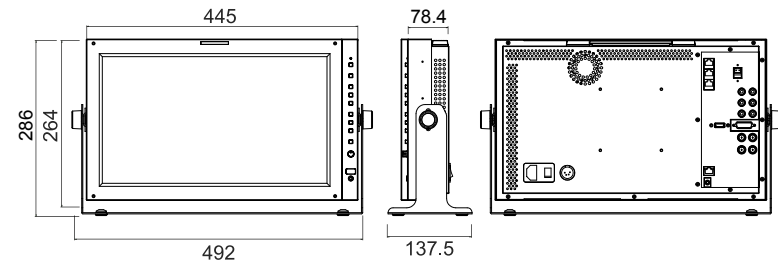
## LVM-171S *New!*

Multi Format | 16



### 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)
- Weight : 6.8kg / 14.99lbs



### Optional Accessories



### 17" 10-bit Quality Control Monitor

The LVM-171S is our top QC-Grade 16.5" model utilizing the 10-bit, wide color gamut and wide viewing angle IPS LCD panel with 1920 x 1080 resolution. Based on precision color calibration and video processing, the LVM-171S reproduces high picture quality and accurate colors. Equipped with dual 3G-SDI input, the LVM-171S supports Picture-by-Picture with dual scaler and interlacer. It also supports various professional features such as 3D LUT import and F/W update via USB, Waveform/ Vectorscope, Focus Assist, Timecode, UMD and CC with advanced UI based on Linux.

### Product Highlights

- 16.5" Full HD Resolution (1920 x 1080)
- 99% coverage of DCI-P3 color gamut
- 1.07B Colors (10bit)
- Luminance up to 450cd/m<sup>2</sup>
- Contrast Ratio of 1,500:1
- Matte Finish Panel
- 1:1 Pixel Mapping Modes for HD
- Custom 3D LUT import/export by USB Flash drive
- Closed Caption (OP42/47, CC-608/708, CC-KOR)
- Waveform / Vector Scope (Advanced)
- PBP (Picture by Picture)
- Audio Level Meter
- Observer(Network) control by Ethernet
- Blue Only / Mono
- Key Lock
- Fast Mode
- Time Code Display
- User Aspect
- Various Scan Modes
- TVLogic Color Calibration Utility
- H/V Delay
- Marker
- Range Error
- UMD
- HDR Emulation

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> (center)
Contrast Ratio	1500:1
Display Area	366(H) x 206(V) mm

Input	
1 x DVI-I	DVI Input
1 x HDMI	HDMI Input
3 x BNC	Analog Input
2 x BNC	SDI A/B Channel Input

Output	
3 x BNC	Analog(Loop Through Out)
2 x BNC	SDI A/B Channel Output (Loop Through Out)

Input Signal	
Analog	CVBS / S-Video / Component
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
DVI-Analog	640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1080
DVI-D (PC mode)	640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1080/1920x1200
DVI-D (HDMI mode)	1080p(60/50/30/25/24)/1080i(60/50)/720p(60/50)/480i(60)/480p(60)/576i(50)/576p(50)
HDMI	480i/480p/576i/576p/720p/1080i/1080p/640x480/720x400/800x600/1024x768/1280x1024/1600x1200

Analog Input Spec	
CVBS	1.0Vpp (With Sync) NTSC. PAL
S-Video	1.0Vpp (Y with Sync), 0.286/300Vpp(C)
Component Video	1.0Vpp (Y With Sync), 0.7Vpp(Pb,Pr)

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)
	Dual HD-SDI YCbCr(4:2:2) 1080p (60/59.94/50)
SMPTE-372M (Dual Link)	Dual HD-SDI YCbCr/RGB(4:4:4) 1080i (60/59.94/50)
	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)
2K Format	2048x1080p(24/24sF/23.98/23.98sF)
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Internal Speaker(Stereo) / Analog stereo (Phone Jack)
Power	DC 12V / AC 100~240V(50~60Hz)
Power Consumption	24 Watts
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 / Stand

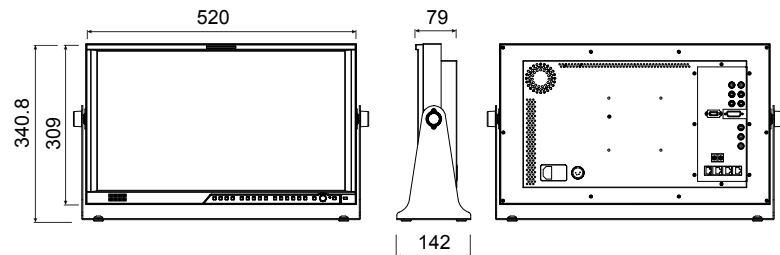


# LVM-212W



## Main body Dimensions

- Main Body : 520 x 309 x 79 (mm) / 20.47 x 12.17 x 3.11 (inch)
- With stand : 567.2 x 340.8 x 142 (mm) / 22.33 x 13.41 x 5.59 (inch)
- Weight : 7.8kg / 17.16lbs



## Optional Accessories



## 21" 1920x1080 Rack-Mount Monitor

The LVM-212W is an ideal Full HD rack-mount monitor for control rooms and OB Vans. The slim matte finish bezel design fits perfectly into a 19" rack and features a 21.5" native 1920x1080 LED backlit LCD, Dual Channel 3G-SDI input, Waveform/Vectorscope, Closed Caption 608/708, Embedded Audio Metering, wide viewing angle and more.

## Product Highlights

- 21.5" 1920 x 1080 Native HD Resolution
- 3G-SDI Level A/B
- Audio Level Meter Display
- Luma(Y) Zone Check
- Various Scan modes
- Waveform/Vectorscope
- CC-608 LINE 21/ANC, CC-708, OP42, OP47
- Blue Only
- Focus Assist
- H/V Delay
- Key lock
- Marker
- Time Code Display
- Mono
- Range Error
- UMD
- User Aspect
- Zoom
- TVLogic Color Calibration Utility

Size	21.5"
Resolution	1920 x 1080 (16 : 9)
Pixel Pitch	0.2475mm
Color Depth	16.7M
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	365cd/m <sup>2</sup> (center)
Contrast Ratio	1000:1
Display Area	475(H) x 267(V) mm

Input	
1 x DVI-I	DVI Input
1 x HDMI	HDMI(1.3Ver) Input
3 x BNC	CVBS Input
2 x BNC	SDI A/B Channel Input
Output	
3 x BNC	Analog (Loop Through Out)
1 x BNC	SDI A/B Selected Channel Output (Loop Through Out)
Input Signal	
Analog	CVBS / S-Video / Component
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI	480i/480p/576i/576p/720p/1080i/1080p (24/25/30/50/60)
DVI-Analog	640x480/720x400/800x600/1024x768/1280 x1024/1600x1200
DVI-D (PC mode)	640x480/720x400/800x600/1024x768/1280 x1024/1366x768/1600x1200/1920x1200
DVI-D (HDMI mode)	1080p (24/25/30/50/60)/1080i(50/60)/720p (50/60)/480i(60)/480p(60)/576i(50)/57p(50)
Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL
S-Video	1.0Vp-p (Y With Sync), 0.286/0.300 Vp-p (Chroma)
Component Video	1.0Vp-p (Y With Sync), ±350mV (Pb,Pr)
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-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)
2K Format	2048 x 1080p (24/24sF/23.98/23.98sF)
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)
Power	DC 24V (2.5A) / AC 100~240V (50~60Hz)
Power Consumption (Approx.)	60Watts
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 / Control Knob Cap / Stand

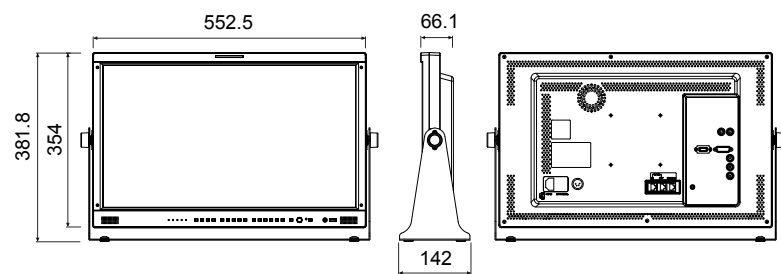
## SD/HD/3G-SDI Multi-Format Monitors

## LVM-232W-A



## Main body Dimensions

- Main Body : 552.5 x 354 x 66.1 (mm) / 21.75 x 13.93 x 2.6 (inch)
- With stand : 599.7 x 381.8 x 142 (mm) / 23.61 x 15.03 x 5.59 (inch)
- Weight : 6.9kg / 15.21lbs



## Optional Accessories



## 23" broadcast monitor with wide viewing angle and full HD resolution.

The LVM-232W-A is a versatile and cost-effective monitor that supports various video formats including 3G-SDI and professional features. Utilizing wide viewing angle IPS LCD panel combined with the TVLogic's proprietary video processing technology, the LVM-232W-A provides outstanding image monitoring quality with accurate colors and rich professional features.

## Product Highlights

- 23" 1920 x 1080 (16:9) Resolution
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- Focus Assist
- H/V Delay
- Key lock
- Luma(Y) Zone Check
- Marker
- Mono
- Range Error
- Time Code Display
- Various Scan modes
- Waveform/Vectorscope
- CC-608 LINE 21/ANC, CC-708
- UMD
- User Aspect
- Zoom
- TVLogic Color Calibration Utility

Size	23"
Resolution	1920 x 1080 (16:9)
Pixel Pitch	0.2652 mm
Color Depth	16.7M
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	300 cd/m <sup>2</sup> (center)
Contrast Ratio	1000:1
Display Area	509(H) x 286(V)

Input	
1 x BNC	CVBS
2 x BNC	SDI A/B Channel input
1 x HDMI	HDMI Input
1 x DVI - I	DVI Input

Output	
1 x BNC	CVBS
1 x BNC	SDI A/B Selected Channel Output (Loop Through Out)

Input Signal	
Analog (Composite)	CVBS
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
DVI-Analog	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1920x1080
DVI-D (PC & HDMI)	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1920x1080/1080p(24/25/30/50/60)/1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)
HDMI (PC & HDMI)	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1920x1080/1080p(24/25/30/50/60)/1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)

Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL

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-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)

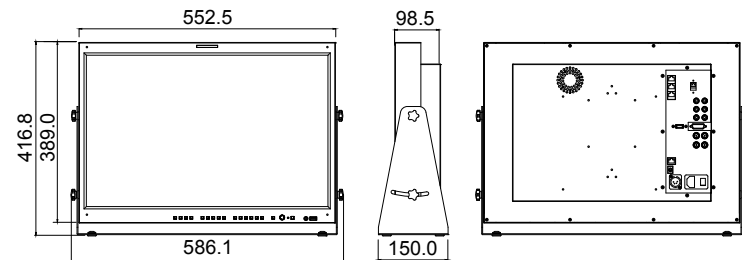
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack) / Internal Speaker (Stereo)
Power	DC 12V / 24V / AC 100 ~240V (50~60Hz)
Power Consumption (Approx.)	60Watts
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Accessory	AC Power Cord / Stand

# LVM-241S *New!*



## Main body Dimensions

- Main Body : 552.5 x 389 x 98.5 (mm) / 21.75 x 15.31 x 3.87 (inch)
- With stand : 586 x 416.8 x 150 (mm) / 23.07 x 16.4 x 5.9 (inch)
- Weight : 8.8kg / 19.4lbs



## Optional Accessories



## 24" 10-bit Quality Control Monitor

The LVM-241S is our top QC-Grade 24" model utilizing the 10-bit, wide color gamut and wide viewing angle IPS LCD panel with 1920 x 1200 resolution. Based on precision color calibration and video processing, the LVM-241S reproduces high picture quality and accurate colors.

Equipped with dual 3G-SDI input, the LVM-241S supports Picture-by-Picture with dual scaler and interlacer.

It also supports various professional features such as 3D LUT import and F/W update via USB, Waveform/ Vectorscope, Focus Assist, Timecode, UMD and CC with advanced UI based on Linux.

## Product Highlights

- 24" Full HD Resolution (1920 x 1200)
- 1.07B Colors (10bit)
- 98% coverage of DCI-P3 color gamut
- Luminance up to 400cd/m<sup>2</sup>
- Contrast Ratio of 1,500:1
- 1:1 Pixel Mapping Modes for HD
- Custom 3D LUT import/export by USB Flash drive
- Closed Caption (OP42/47, CC-608/708, CC-KOR)
- Waveform / Vector Scope (Advanced)
- PBP (Picture by Picture)
- Audio Level Meter
- Observer(Network) control by Ethernet
- Blue Only / Mono
  - H/V Delay
- Key Lock
  - Marker
- Fast Mode
  - Range Error
- Time Code Display
  - UMD
- User Aspect
  - HDR Emulation
- Various Scan Modes
- TVLogic Color Calibration Utility

<b>Size</b>	24"
<b>Resolution</b>	1920 x 1200 (16 : 10)
<b>Pixel Pitch</b>	0.27mm
<b>Color Depth</b>	1.07B
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	400cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1500:1
<b>Display Area</b>	518(H) x 324(V) mm

Input	
1 x DVI-I	DVI Input
1 x HDMI	HDMI Input
3 x BNC	Analog Input
2 x BNC	SDI A/B Channel Input
Output	
3 x BNC	Analog (Loop Through Out)
2 x BNC	SDI A/B Channel Input(Loop Through Out)
Input Signal	
Analog	CVBS / S-Video / Component
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
DVI-Analog	640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1080
DVI-D (PC mode)	640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1080/1920x1200"
DVI-D (HDMI mode)	1080p(60/50/30/25/24)/1080i(60/50)/720p(60/50)/480i(60)/480p(60)576i(50)/576p(50)
HDMI	480i/480p/576i/576p/720p/1080i/1080p/640x480/720x400/800x600/1024x768/1280x1024/1600x1200
Analog Input Spec	
CVBS	1.0Vpp (With Sync) NTSC. PAL
S-Video	1.0Vpp (Y with Sync), 0.286/300Vpp(C)
Component Video	1.0Vpp (Y With Sync), 0.7Vpp(Pb,Pr)
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)
SMPTE-372M (Dual Link)	Dual HD-SDI YCbCr(4:2:2) 1080p (60/59.94/50)
	Dual HD-SDI YCbCr/RGB(4:4:4) 1080i (60/59.94/50) 1080p/psF(30/29.97/25/24/23.98)
SMPTE-274M	1080i(60/59.94/50)
	1080p(30/29.97/25/24/24sF/23.98/23.8sF)
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	2048x1080p(24/24sF/23.98/23.98sF)
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Internal Speaker(Stereo) / Analog stereo (Phone Jack)
Power	DC 12V / 24V / AC 100~240V(50~60Hz)
Power Consumption (Approx.)	65Watts
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 Cord / Stand



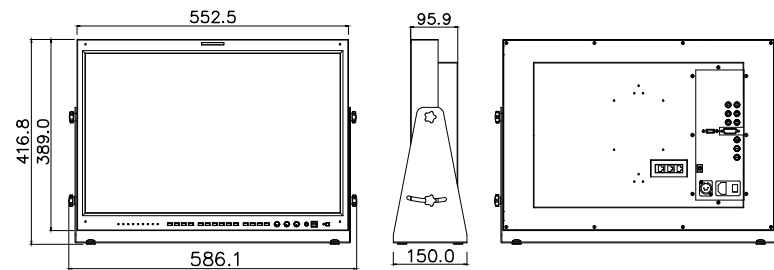
# LVM-246W

Multi Format | 20



## Main body Dimensions

- Main Body : 552.5 x 389 x 95 (mm) / 21.75 x 15.31 x 3.74 (inch)
- With stand : 586.1 x 416.8 x 150 (mm) / 23 x 16.4 x 5.9 (inch)
- Weight : 10.4kg / 22.92lbs



## Optional Accessories



## 24" Full HD Display For Non-Critical Broadcast Monitoring Applications

The LVM-246W is a reasonable priced broadcast monitor with new full HD and wide viewing angle IPS LCD. It supports various video interface of SD/HD/3G-SDI, HDMI, DVI, Component Video, S-Video and CVBS. Also it provides professional features such as Waveform / Vectorscope, Markers, Timecode, Closed Caption and color calibration.

## Product Highlights

- 24" 1920 x 1200 Native HD Resolution
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- Focus Assist
- H/V Delay
- Key lock
- Luma(Y) Zone Check
- Marker
- Mono
- Range Error
- Time Code Display
- UMD
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- TVLogic Color Calibration Utility
- Zoom
- CC-608 ANC
- CC-608 LINE 21
- CC-708

Size	24"
Resolution	1920 x 1200 (16 : 10)
Pixel Pitch	0.27mm
Color Depth	16.7M
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	250cd/m <sup>2</sup> (center)
Contrast Ratio	1000:1
Display Area	518(H) x 324(V) mm

Input	
1 x DVI-I	Analog & Digital RGB
3 x BNC	CVBS / Component Input
2 x BNC	SDI A/B Channel Input
1 x HDMI	HDMI Input

Output	
3 x BNC	Analog (Passive Loop Through)
1 x BNC	SDI A/B Selected Channel Output (Active Loop Through)

Input Signal	
Analog	CVBS / S-Video / Component / RGB(D-TV)
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI	480i/480p/576i/576p/720p/1080i/1080p/640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1200
DVI-Analog	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768
DVI-D (PC mode)	640x480/720x400/800x600/1024x768/1280x768/1280x1024
DVI-D (HDMI mode)	1080p (24/25/30/50/60)/1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)

Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL
S-Video	1.0Vp-p (Y With Sync), 0.286/0.300 Vp-p(Chroma)
Component Video	1.0Vp-p (Y With Sync), ±350mV (Pb,Pr)
RGB	1.0Vp-p (G With Sync), 0.7Vp-p (B,R)

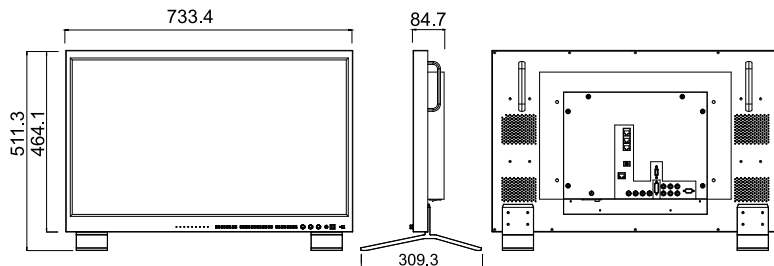
SDI Input Signal Formats	
SMPTE-274M	1080i (60 / 59.94 / 50) 1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE-296M	720p (60/59.94/50)
SMPTE-260M	1035i (60/59.94)
SMPTE-125M	480i (59.94)
ITU-R BT.656	576i (50)
2K Format	2048 x 1080p (24/24sF/23.98/23.98sF)
Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack) / Internal Speaker (Stereo)
Power	DC 24V / AC 100~240V (50~60Hz)
Power Consumption (Approx.)	77Watts (Typ.) 112Watts (Typ.3A)
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 / Stand

# LVM-328W



## Main body Dimensions

- Main Body : 733.4 x 464.1 x 84.7 (mm) / 28.87 x 18.27 x 3.33 (inch)
- With stand : 733.4 x 511.3 x 309.3 (mm) / 28.87 x 20.12 x 12.17 (inch)
- Weight : 13.8kg / 30.42lbs

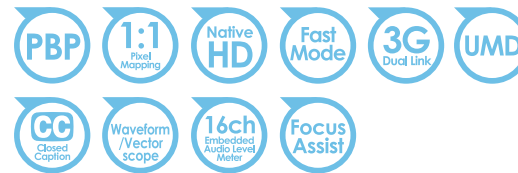


## Optional Accessories



## 32" 1920 x 1080 Native HD LCD Display

The LVM-328W is a 32" 1920x1080 resolution broadcast QC-grade monitor. A new white LED backlight unit improves power consumption, color purity, and contrast ratio. The LVM-328W has a new, thinner bezel width to improve edge-to-edge viewing and features 12-bit video processing and a multiple image-measurement tools.



## Product Highlights

- 31.5" 1920 x 1080 Native HD Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Blue Only
- H/V Delay
- Key lock
- Marker
- Mono
- Range Error
- Time Code Display
- UMD
- User Aspect
- Waveform/Vectorscope
- CC-608 LINE 21/ANC, CC-708, CC-KOR/OP42, OP47
- TVLogic Color Calibration Utility

<b>Size</b>	31.5"
<b>Resolution</b>	1920 x 1080 (16 : 9)
<b>Pixel Pitch</b>	0.364mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	350cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1200:1
<b>Display Area</b>	698(H) x 392(V) mm

Input	
1 x DVI-I	DVI Input
1 x HDMI	HDMI Input
3 x BNC	Analog Input
2 x BNC	SDI A/B Channel Input

Output	
3 x BNC	Analog Output
2 x BNC	SDI A/B Channel Output (Loop Through Out)

Input Signal	
Analog	CVBS / S-Video / Component Video
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI	480i/480p/576i/576p/720p/1080i/1080p/640x480/720x400/800x600/1024x768/1280x1024/1600x1200
DVI-Analog	640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1080
DVI-D (PC mode)	640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1080/1920x1200
DVI-D (HDMI mode)	1080p (24/25/30/50/60)/1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)

Analog Input Spec	
CVBS	1.0Vp-p (With Sync) NTSC. PAL
S-Video	1.0Vp-p (Y With Sync), 0.286Vp-p(Chroma)
Component Video	1.0Vp-p (Y With Sync), 0.7Vp-p (Pb,Pr)

SDI Input Signal Formats	
SMPT-425M-A/B	1080p (60 / 59.94 / 50)
SMPT-372M (Dual Link)	Dual HD-SDI 1080p (60/59.94/50) YCbCr(4:2:2)
	Dual HD-SDI 1080p (60/59.94/50) YCbCr/RGB(4:4:4)
SMPT-274M	1080i (60 / 59.94 / 50)
	1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPT-296M	720p (60/59.94/50)
SMPT-260M	1035i (60/59.94)
SMPT-125M	480i (59.94)
ITU-R BT.656	576i (50)
2K Format	2048 x 1080p (23.98p/psf, 24p/psf)
Audio IN	Embedded Audio / Analog stereo(Phone Jack)
Audio OUT	Analog stereo (Phone Jack)
Power	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 Cord / Stand

## Multi Format Monitors

# LVM-420A/460A/550A

The LVM series offers a highly cost-effective solution for Multi-Viewer and Digital Information Display (DID) applications.

## LVM-420A

The Best Monitor for Multi-Format System



### Product Highlights

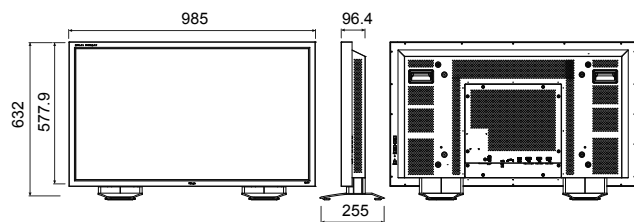
42" 1920 x 1080 Native HD Resolution with High Contrast 4000 : 1

#### Input

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

#### Output

- 3 x BNC(Analog Output)
- 2 x BNC(SDI A/B Channel Out put)
- Supports TVLogic Color Calibration Utility for proper color alignment
- Matte Finish Panel
- Weight: 30kg / 66lbs



## LVM-460A

The Excellent Monitoring Solution



### Product Highlights

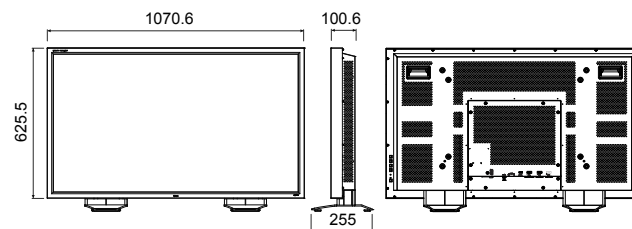
46" 1920 x 1080 Native HD Resolution with High Contrast 4000 : 1

#### Input

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

#### Output

- 3 x BNC(Analog Output)
- 2 x BNC(SDI A/B Channel Out put)
- Supports TVLogic Color Calibration Utility for proper color alignment
- Matte Finish Panel
- Weight : 33kg / 72.6lbs



## LVM-550A

New Standard of Multi-Format system



### Product Highlights

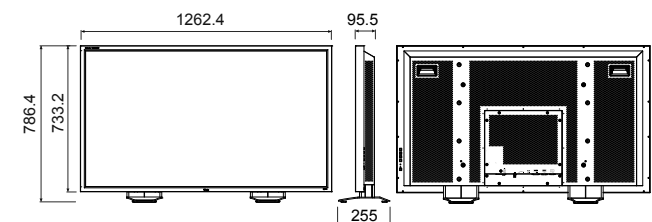
54.6" 1920 x 1080 Native HD Resolution with High Contrast 4000 : 1

#### Input

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

#### Output

- 3 x BNC(Analog Output)
- 2 x BNC(SDI A/B Channel Out put)
- Supports TVLogic Color Calibration Utility for proper color alignment
- Matte Finish Panel
- Weight : 42kg / 92.4lbs





# RKM-535A



## Compact 3.5" x 5 Rack Mount Monitor

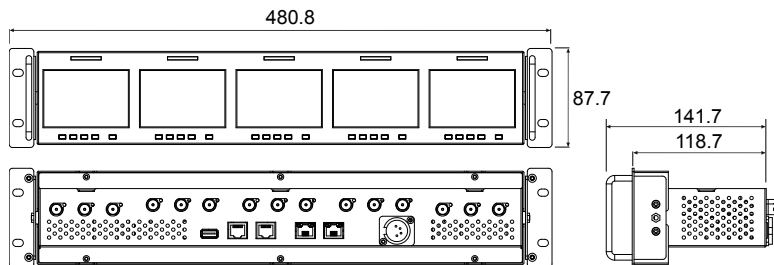
The RKM-535A is 2RU rack-mount monitor with five high resolution (960 x 640) 8 bit LCDs offering unprecedented image quality in a compact rackmount system.

Features include Focus Assist, Various Scan Modes, Markers, Audio Level Metering, Timecode Display, Closed Captioning, Waveform/Vectorscope, and more.



## Main body Dimensions

- Main Body : 480.8 x 87.7 x 118.7 (mm) / 18.93 x 3.45 x 4.67 (inch)
- Weight : 2.88kg / 6.35lbs



## Product Highlights

- 5 x 3.5" LCD Screens
- 960x640 Resolution (3:2)
- High Contrast Ratio of 1000:1
- 1.67 Million Colors (8bit)
- 1:1 Pixel Mapping Modes for SD/HD
- Waveform / Vectorscope
- CC (608, 708)
- 3G-SDI Level A/B
- Audio Level Meter
- Blue Only
- Focus Assist
- H/V Delay
- Key Lock
- Luma Zone Check
- Marker
- Mono
- Range Error
- Time Code Display
- UMD
- User Aspect
- Various Scan Modes
- Waveform / Vectorscope
- TVLogic Color Calibration Utility

Size	3.54"
Resolution	940 x 640 (3:2)
Pixel Pitch	0.078mm
Color Depth	16.7M
Viewing Angle(Typ.)	160°(H) / 160°(V)
Luminance (Max.)	500cd/m <sup>2</sup> (center)
Contrast Ratio	1000:1
Display Area	75(H)X50(V)mm
<b>Input</b>	
1 x BNC	SDI Channel Input
1 x BNC	Analog Video Input
<b>Output</b>	
1x BNC	SDI Channel Output
<b>Input Signal</b>	
Analog	CVBS
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
<b>Analog Input Spec</b>	
CVBS	1.0Vp-p (With Sync) NTSC. PAL
<b>SDI Input Signal Formats</b>	
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-274M	1080p(30/29.97/25/24/24sF/23.98/23.98sF) / 1080i (60/59.94/50)
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	-
Audio Out	-
Power	DC 12V
Power Consumption (Approx.)	DC 60Watts (Max. 5A)
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 cord, Rack Mountable Kit

## 3G-SDI Multi-Channel LCD Rack Monitors

# RKM-443A



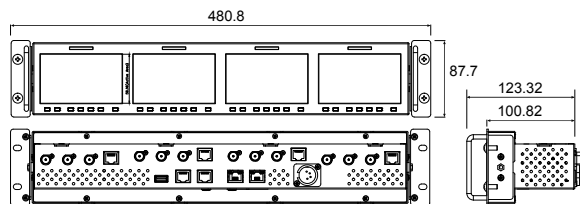
2RU rack-mount monitor with 4 × 4.3" LCD screens with high luminance of 600cd/m<sup>2</sup> and reasonable resolution of 800 x 480 for the size. It supports SDI in/out and CVBS video input.

### Product Highlights

- 4.3" 800 x 480 (15:9) Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- Focus Assist
- H/V Delay
- Key lock
- Luma(Y) Zone Check
- Marker
- Mono
- Range Error
- Time Code Display
- UMD
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- Zoom
- CC-608 LINE 21/ANC, CC-708
- TVLogic Color Calibration Utility

### Main body Dimensions

- **Main Body** : 480.8 x 87.7 x 100.82 (mm) / 18.93 x 3.45 x 3.97 (inch)  
 - **Weight** : 3.4kg / 7.48lbs



# RKM-356A



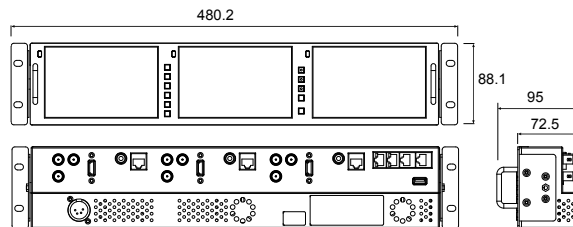
2RU rack-mount monitor with 3 × 5.6" LCD screens. Utilizing the same high performance LCD, it offers high resolution (1280 x 800) and wide viewing angle and supports SDI in/out and HDMI input.

### Product Highlights

- 5.6" 1280 x 800 (16:10) Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- Focus Assist
- H/V Delay
- Key lock
- Luma(Y) Zone Check
- Marker
- Mono
- Range Error
- Time Code Display
- UMD
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- Zoom
- CC-608 LINE 21/ANC, CC-708
- TVLogic Color Calibration Utility

### Main body Dimensions

- **Main Body** : 480.8 x 87.7 x 72.5 (mm) / 18.93 x 3.45 x 2.85 (inch)  
 - **Weight** : 3.9kg / 8.60lbs



Model	RKM-443A	RKM-356A
<b>Size</b>	4.3"	5.6"
<b>Resolution</b>	800 x 480 (15 : 9)	1280 x 800 (16 : 10)
<b>Pixel Pitch</b>	0.117mm	0.094mm
<b>Color Depth</b>	16.7M	16.7M
<b>Viewing Angle (Typ.)</b>	160°(H) / 160°(V)	170°(H) / 170°(V)
<b>Luminance (Max.)</b>	600cd/m <sup>2</sup> (center)	300cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1000:1	500:1

Input (1 Screen)		
<b>1 x BNC</b>	SDI Channel Input	-
<b>1 x BNC</b>	CVBS	CVBS
<b>1 x HDMI</b>	-	HDMI Input
<b>2 x BNC</b>	-	SDI A/B Channel Input

Output (1 Screen)		
<b>1 x BNC</b>	SDI Channel Output	SDI Channel Output

Input Signal		
<b>Analog</b>	CVBS	CVBS
<b>3G SDI</b>	2.970Gb/s	2.970Gb/s
<b>HD-SDI</b>	1.485Gb/s	1.485Gb/s
<b>SD-SDI</b>	270Mb/s	270Mb/s
<b>HDMI</b>	-	1080p(24/25/30/50/60) / 1080i(50/60) / 720p(50/60) / 480i(60) / 480p(60) / 576i(50) / 576p(50) & VESA / IBM Modes

SDI Input Signal Formats		
<b>SMPTE-425M-A/B</b>	1080i(60/59.94/50) 1080P(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)	1080i(60/59.94/50) 1080P(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
<b>SMPTE-274M</b>	1080i (60 / 59.94 / 50) 1080P (30/29.97/25/24/24sF/23.98/23.98sF)	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
<b>SMPTE-296M</b>	720p(60/59.94/50)	720p(60/59.94/50)
<b>SMPTE-260M</b>	1035i(60/59.94)	1035i(60/59.94)
<b>SMPTE-125M</b>	480i(59.94)	480i(59.94)
<b>ITU-R BT.656</b>	576i(50)	576i(50)
<b>Power</b>	DC 12V / 3A (Max. 6.0A)	DC 12V / 3A (Max. 6.0A)
<b>Power Consumption (Approx.)</b>	60Watts (Typ.)	60Watts (Typ.)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	AC Power Cord, Rack Mountable Kit	AC Power Cord, Rack Mountable Kit

## 3G-SDI Multi-Channel LCD Rack Monitors

# RKM-270A



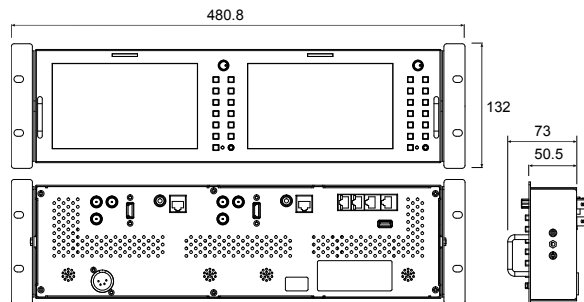
3RU rack-mount monitor with 2 x 7" 1024 x 600 resolution wide viewing angle IPS LCD screens as found in which has the same high performance display as LVM-074W. It supports SDI in/out and HDMI input.

### Product Highlights

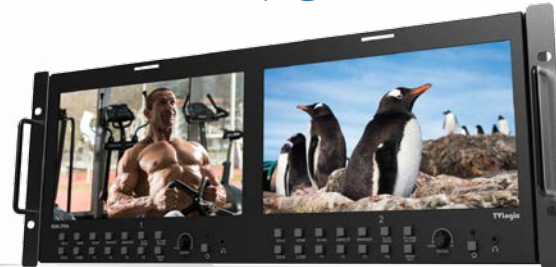
- 7" 1024 x 600 (16:9) Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- Focus Assist
- Key lock
- Marker
- Range Error
- Time Code Display
- UMD
- Various Scan modes
- TVLogic Color Calibration Utility
- H/V Delay
- Luma(Y') Zone Check
- Mono
- Zoom
- User Aspect
- CC-608 LINE 21/ANC, CC-708
- Waveform/Vectorscope

### Main body Dimensions

- **Main Body** : 480.8 x 132 x 50.5 (mm) / 18.93 x 5.2 x 1.99 (inch)
- **Weight** : 4kg / 15.4lbs



# RKM-290A



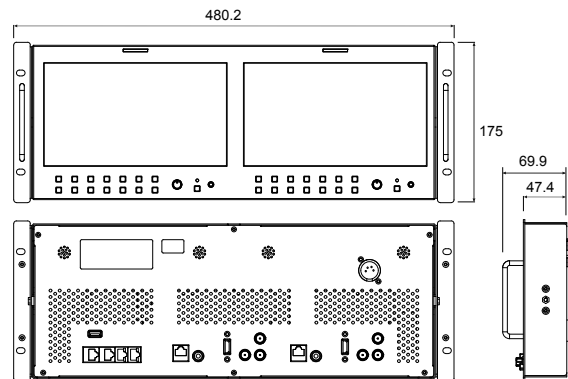
4RU rack-mount monitor with 2 x 9" 1920 x 1080 LCD screens, utilizing the the same high performance display found in the LVM-095W-N with full HD resolution and wide viewing angle capability. It supports SDI in/out and HDMI input.

### Product Highlights

- 9" 1920 x 1080 (16:9) Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Audio Level Meter Display
- 3G-SDI Level A/B
- Focus Assist
- Key lock
- Marker
- Range Error
- Time Code Display
- UMD
- Various Scan modes
- TVLogic Color Calibration Utility
- Blue Only
- H/V Delay
- Luma(Y') Zone Check
- Mono
- Zoom
- User Aspect
- CC-608 LINE 21/ANC, CC-708
- Waveform/Vectorscope

### Main body Dimensions

- **Main Body** : 480.2 x 175 x 47.4 (mm) / 18.91 x 6.89 x 1.87 (inch)
- **Weight** : 4.9kg / 10.78lbs



Model	RKM-270A	RKM-290A
<b>Size</b>	7"	9"
<b>Resolution</b>	1024 x 600 (16 : 9)	1920 x 1080 (16 : 9)
<b>Pixel Pitch</b>	0.15mm	0.103mm
<b>Color Depth</b>	16.7M	16.7M
<b>Viewing Angle (Typ.)</b>	160°(H) / 160°(V)	176°(H) / 176°(V)
<b>Luminance (Max.)</b>	400cd/m <sup>2</sup> (center)	400cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	800:1	750:1
<b>Input (1 Screen)</b>		
<b>1 x HDMI</b>	HDMI Input	HDMI Input
<b>2 x BNC</b>	SDI A/B Channel Input	SDI A/B Channel Input
<b>1 x BNC</b>	CVBS	CVBS
<b>Output (1 Screen)</b>		
<b>1 x BNC</b>	SDI Selected Channel Output	SDI Selected Channel Output
<b>Input Signal</b>		
<b>Analog</b>	CVBS	CVBS
<b>3G-SDI</b>	2.970Gb/s	2.970Gb/s
<b>HD-SDI</b>	1.485Gb/s	1.485Gb/s
<b>SD-SDI</b>	270Mb/s	270Mb/s
<b>HDMI</b>	1080P(24/25/30/50/60) / 1080i(50/60) / 720p(50/60) / 480i(60) / 480p(60) / 576i(50) / 576p(50)	1080P(24/25/30/50/60) / 1080i(50/60) / 720p(50/60) / 480i(60) / 480p(60) / 576i(50) / 576p(50) / 640x480 / 720x400 / 800x600 / 1024x768 / 1280x1024 / 1366x768
<b>SDI Input Signal Formats</b>		
<b>SMPTE-425M-A/B</b>	1080i(60/59.94/50)	1080i(60/59.94/50)
	1080P(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)	1080P(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
<b>SMPTE-274M</b>	1080i (60/59.94/50)	1080i (60/59.94/50)
	1080P (30/29.97/25/24/24sF/23.98/23.98sF)	1080P (30/29.97/25/24/24sF/23.98/23.98sF)
<b>SMPTE-296M</b>	720p(60/59.94/50)	720p(60/59.94/50)
<b>SMPTE-260M</b>	1035i(60/59.94)	1035i(60/59.94)
<b>SMPTE-125M</b>	480i(59.94)	480i(59.94)
<b>ITU-R BT.656</b>	576i(50)	576i(50)
<b>2K Format</b>	-	2048x1080p(24/24sF/23.98/23.98sF)
<b>Audio IN</b>	Embedded Audio / Analog stereo (Phone Jack)	Embedded Audio / Analog stereo (Phone Jack)
<b>Audio OUT</b>	Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)	Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)
<b>Power</b>	DC 12/24V	DC 12/24V
<b>Power Consumption (Approx.)</b>	60Watts (Typ.)	60Watts (Typ.)
<b>Operating Temperature</b>	0°C to 35°C (32°F to 95°F)	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	AC Power Cord, Rack Mountable Kit	AC Power Cord, Rack Mountable Kit



# SWM-171A/420A/460A/550A



## 17", 42", 46", 55" Studio Wall Monitor

The SWM series monitors are newly designed with a clean bezel with only a power button and a small indication lamp ideal for studio wall configuration

Along with the traditional interfaces of 3G-SDI, HDMI and DVI, an optical fiber interface has been added for added flexibility. Features include Markers, Timecode, Audio Level Meters, various CCs and UMDs.

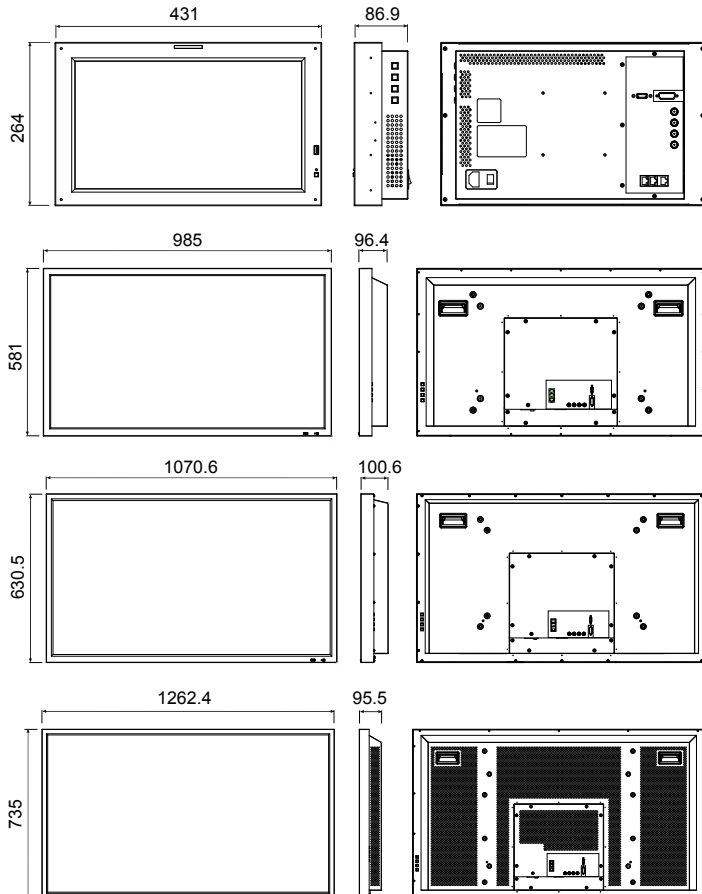


## Product Highlights

- 16.5", 42", 46", 54.6" 1920 x 1080 (16:9) Resolution
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- H/V Delay
- Marker
- Mono
- Time Code Display
- UMD
- User Aspect
- CC-608 LINE 21/ANC, CC-708, CC-KOR/OP42, OP47
- Network Control by Observer (Free PC Software)
- Auto Calibration
- TVLogic Color Calibration Utility

Input	
1 x DVI-I	DVI Input
1xHDMI	HDMI Input
2xBNC	SDI A/B Channel Input
1xSFP Module	Optical Input(Optional)
Output	
2xBNC	SDI A/B Channel (Loop Through Out)
Input Signal	
3G SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI	480i / 480p / 576i / 576p / 720p / 1080i / 1080p / 640x480 / 720x400 / 800x600 / 1024x768 / 1280x1024 / 1600x1200
DVI-D (PC mode)	640x480/720x400/800x600/1024x768/1280x1024/1366x768/1600x1200/1920x1200
DVI-D (HDMI mode)	1080p(24/25/30/50/60)/1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)
OPTICAL	2.970Gbps / 1.485Gbps / 270Mbps

SDI Input Signal Formats		
SMPTE-425M-A/B	1080i (60/59.94/50)	
	1080p (60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)	
SMPTE-372M (Dual Link)	Dual HD-SDI YCbCr(4:2:2)	1080p (60/59.94/50)
	Dual HD-SDI YCbCr/RGB(4:4:4)	1080i (60/59.94/50) 1080p (30/29.97/25/24/24sF/23.98/23.98sF)
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)	
2K Format	2048 x 1080p (24/24sF/23.98/23.98sF)	
Audio IN	-	
Audio OUT	-	
Power	AC 100~240V (50~60Hz)	
Power Consumption (Approx.)	SWM-420A : 120Watts (Max.) SWM-460A/550A : 96Watts (Max.)	
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 / USB Cover	



Model	SWM-171A	SWM-420A	SWM-460A	SWM-550A
Size	16.5"	42"	46"	54.6"
Resolution	1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)
Pixel Pitch	0.1905mm	0.484mm	0.53mm	0.63mm
Color Depth	1.07B	1.07B	1.07B	1.07B
Viewing Angle	178°(H,V)	178°(H,V)	178°(H,V)	178°(H,V)
Luminance	450cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd / m <sup>2</sup>
Contrast Ratio	1500:1	4000:1	4000:1	4000:1
Display Area	366(H) x206(V)	930(H) x523(V)	1044(H) x573(V)	1209(H) x680(V)

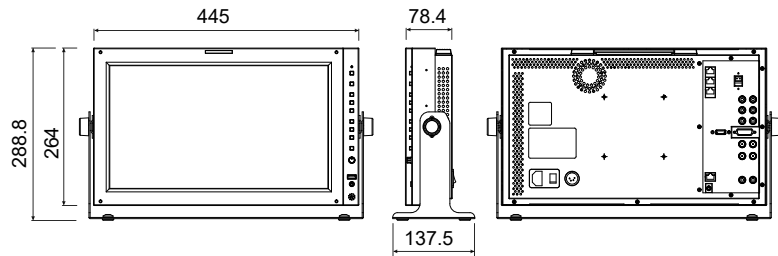
# Precision Monitors

## XVM-177A



### 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)
- Weight : 6.88kg / 15.14lbs



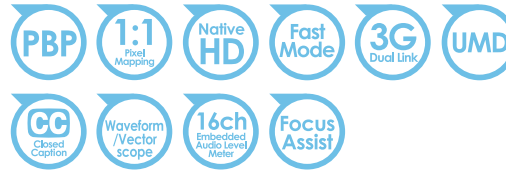
### Optional Accessories



### 17" 10-bit Color Critical Monitor

The XVM-177A is designed for on-set and studio color-critical monitoring applications, TVLogic's advanced 12-bit video processing engine and precise color calibration technology combine with a latest-gen 1920x1080 native IPS LCD panel for unparalleled image quality

Features include: Focus Assist, Markers/Mattes, Waveform / Vectorscope, Timecode display, UMD, Closed Caption, Fast mode, multiple Colorspace presets with internal 3D LUT, Backlight and Gamma control, Import of 3rd party 3D LUTs and more.



### Product Highlights

- 16.5" 1920 x 1080 (16:9) Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- 3D LUT & Adjustable Gamma
- 3rd party 3D LUT import and export
- True 24p(48Hz) driving for Digital Cinema
- Audio Level Meter Display
- Waveform/Vectorscope
- Blue Only
- Key lock
- Mono
- Time Code Display
- X3 Zoom(PBP)
- TVLogic Color Calibration Utility
- Various Scan Modes
- Uniformity correction
- H/V Delay
- Marker
- Range Error
- UMD
- CC (608, 708, OP42, OP47)

Size	16.5"
Resolution	1920 x 1080 (16:9)
Pixel Pitch	0.191mm
Color Depth	1.07B (10bit)
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	450cd/m <sup>2</sup> (center)
Contrast Ratio	1500:1
Display Area	366(H)x206(V)mm

Input	
1 x DVI-I	DVI Input
3 x BNC	Analog Input
2 x BNC	SDI A/B Channel Input
1 x HDMI	HDMI Input
1 x BNC	External Sync. Input

Output	
3 x BNC	Analog (Loop Through Out)
2 x BNC	SDI A/B Channel Output (Loop Through Out)
1 x BNC	External Sync. Output

Input Signal	
Analog	Composite / S-Video / Component
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 Video	1.0Vpp (Y With Sync), 0.7Vpp (Pb,Pr)

SDI Input Signal Formats		
SMPTE-425M-A/B	1080p (50/59.94/600)	
SMPTE-372M (Dual Link)	Dual HD-SDI YCbCr(4:2:2)	1080p (60/59.94/50)
	Dual HD-SDI YCbCr/RGB(4:4:4)	1080i (60/59.94/50) 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) Internal Speaker (Stereo)
Power	DC 12V / AC 100~240V(50~60Hz)
Power Consumption (Approx.)	AC 72Watts (Typ.)
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 Cord / Stand

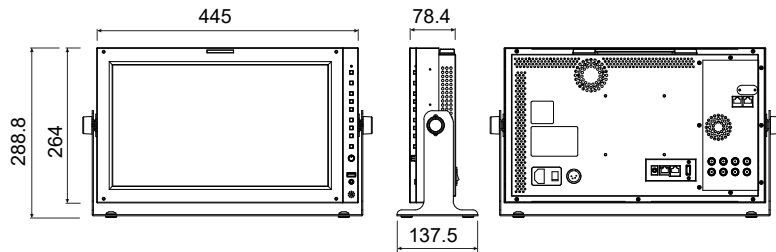
12G / FHD Monitors

# LUM-171G (12G/HDR) Emulation



## 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 288.8 x 137.5 (mm) / 19.38 x 11.37 x 5.41 (inch)
- Weight : 7kg / 15.43lbs



## Optional Accessories



## 17" 1920x1080 with up to 12G 4K input

The LUM-171G monitor supports 3G/6G/12G-SDI input - 2x3G-SDI & 2x12G-SDI. The LUM-170G combines a native 1920 x 1080 IPS LCD with SD/HD/UHD/4K input support for the most versatile monitoring and field production applications



## Product Highlights

- Practical hybrid of FHD panel + 4K Interface
- 16.5", 1920x1080 Resolution (16:9)
- Luminance up to 450cd/m<sup>2</sup>
- High Contrast Ratio of 1500:1
- Wide Viewing Angle
- 4K / UHD Interface
  - 2x12G-SDI & 2x3G-SDI in
  - 4xSDI out (Loop Through Out)
  - 1xHDMI in (HDMI 2.0)
- Matte Finish Panel
- True 24p(48Hz) driving for Digital Cinema
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Waveform/Vectorscope
- Blue Only
- H/V Delay
- Audio Level Meter
- Marker
- Mono
- Time Code Display
- Focus Assist
- HDR Emulation
- TVLogic Color Calibration Utility

Input	
4 x BNC	12G-SDI A/B Channel Input, 3G-SDI C/D Channel Input
1 x HDMI	HDMI Input (HDMI 2.0)
Output	
4 x BNC	12G-SDI A/B, 3G-SDI C/D Channel (Loop Through Out)
Input Signal	
12G-SDI	12Gb/s
6G-SDI	6Gb/s
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	480p / 720p / 1080p / 2160p
SDI Input Signal Formats	
SMPTE-425M-A/B	1080p (50/59.94/60)
SMPTE-274M	1080p (23.98/24/25/29.97/30p/psF)
SMPTE-296M	720p (60/59.94/50)
SMPTE ST 2036-1:2009	3840x2160(23.98/24/25/29.97/30/50/59.94/60p)
SMPTE ST 2048-1:2011	2048x1080(23.98/24/25/29.97/30p/psf, 47.95/48/50/59.94/60p)
SMPTE ST 2081	3840x2160 (30/25/24p)
SMPTE ST 2082	3840x2160 (60/50/30/25/24p)
Audio IN	Analog Stereo
Audio OUT	Analog Stereo (Phone Jack)
Power	DC 12V / AC 100~240V(50~60Hz)
Power Consumption (Approx.)	48Watts (Max.)
Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Accessory	AC Power Cord / Stand

Size	16.5"
Resolution	1920X1080(16:9)
Pixel Pitch	0.1905mm
Color Depth	1.07B (10bit)
Viewing Angle (Typ.)	178°(H)/178°(V)
Luminance (Max.)	450cd/m <sup>2</sup>
Contrast Ratio	1500:1
Display Area	366(H)x206(V)mm



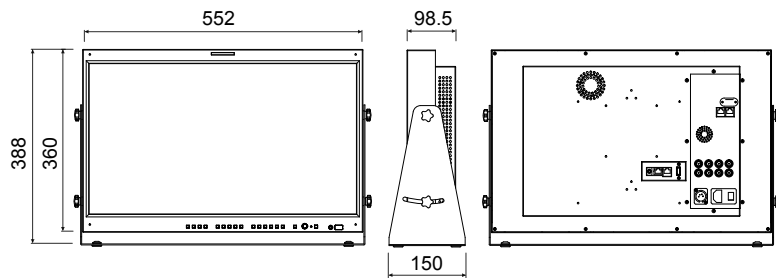
12G / 4K Monitors

# LUM-240G (12G/HDR) Emulation



## Main body Dimensions

- Main Body : 552 x 360 x 98.5 (mm) / 21.73 x 14.17 x 3.88 (inch)
- With stand : 586 x 388 x 150 (mm) / 23.07 x 15.27 x 5.9 (inch)
- Weight : 10.3kg / 22.71lbs

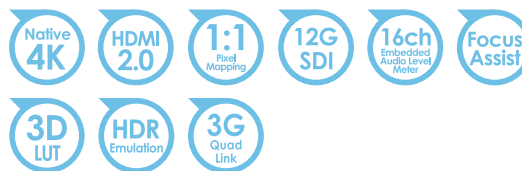


## Optional Accessories



## 24" 12G-SDI Single Link 4K

The LUM-240G is a 23.8" 4K(3840x2160) monitor with 12G-SDI interface - 2x3G-SDI & 2x12G-SDI. The LUM-240G supports various video formats including 12G/ 3G/ HD-SDI and HDMI 2.0. The LUM-240G provides wide color gamut up to DCI-P3 and includes 3D LUT support and a full feature set.



## Product Highlights

- 23.8", True UHD Resolution (3840x2160)
- Color gamut covers up to DCI-P3
- High Contrast Ratio of 1000:1
- 1.07 Billion Colors (10bit)
- 4K / UHD Interface
  - 2x12G-SDI & 2x3G-SDI in
  - 4xSDI out (Loop Through Out)
  - 1xHDMI in (HDMI 2.0)
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Wide Viewing Angle
- Matte Finish Panel
- Time Code Display
- Audio Level Meter
- Blue Only
- Marker
- HDR Emulation
- TVLogic Color Calibration Utility
- Focus Assist
- 3D LUT
- H/V Delay
- Mono

Size	23.8"
Resolution	3840 x 2160 (16:9)
Pixel Pitch	0.137mm
Color Depth	1.07B (10bit)
Viewing Angle (Typ.)	178°(H)/178°(V)
Luminance (Max.)	350cd/m <sup>2</sup>
Contrast Ratio	1000:1
Display Area	527(H)X296(V)mm

Input	
4 x BNC	12G-SDI A/B Channel Input, 3G-SDI C/D Channel Input
1 x HDMI	HDMI Input (HDMI 2.0)
Output	
4 x BNC	12G-SDI A/B, 3G-SDI C/D Channel (Loop Through Out)
Input Signal	
12G-SDI	12Gb/s
6G-SDI	6Gb/s
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	480p / 720p / 1080p / 2160p
SDI Input Signal Formats	
SMPTE-425M-A/B	1080p (50/59.94/60)
SMPTE-274M	1080p (23.98/24/25/29.97/30p/psF)
SMPTE-296M	720p (60/59.94/50)
SMPTE ST 2036-1:2009	3840x2160(23.98/24/25/29.97/30/50/59.94/60p)
SMPTE ST 2048-1:2011	2048x1080(23.98/24/25/29.97/30p/psf, 47.95/48/50/59.94/60p)
SMPTE ST 2081	3840x2160 (30/25/24p)
SMPTE ST 2082	3840x2160 (60/50/30/25/24p)
Audio IN	
Audio IN	Analog Stereo
Audio OUT	
Audio OUT	Analog Stereo (Phone Jack)
Power	
Power	DC 12V / 24V / AC 100~240V(50~60Hz)
Power Consumption (Approx.)	
Power Consumption (Approx.)	115Watts (Max.)
Operating Temperature	
Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Accessory	
Accessory	AC Power Cord / Stand

12G / 4K Monitors

# LUM-313G (12G/4K/350nits HDR) *New!* Emulation

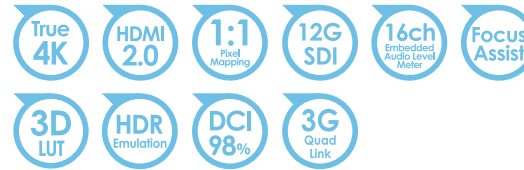


## 31" True 4K Monitor with 12G-SDI & HDMI 2.0

The LUM-313G is a 31.1" native 4K resolution(4096x2160) monitor with maximum luminance of 350nit, contrast ratio of 1500:1, wide color gamut and wide viewing angle. Equipped with 4 BNCs (2x12G-SDI + 2x3G-SDI) and HDMI 2.0 interface, it supports various video formats up to 4K/60p through single-link 12G-SDI, Quad 3G-SDI and HDMI 2.0.

In addition to various professional features such as Waveform monitor and Vectorscope, the LUM-313G provides HDR emulation function with HDR EOTFs of PQ, HLG and SLog3.

More camera-specific HDR logs and gamuts will be supported by firmware update.



Size	31.1"
Resolution	4096 x 2160 (17:9)
Pixel Pitch	0.1704mm
Color Depth	1.07B
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	350cd/m <sup>2</sup> (center)
Contrast Ratio	1500:1
Display Area	698(H) x 368(V) mm

Input	
4 x BNC	12G-SDI A/B Channel Input 3G-SDI C/D Channel Input
1 x HDMI	HDMI Input (HDMI 2.0 ver)

Output	
4 x BNC	12G-SDI A/B, 3G-SDI C/D Channel (Loop Through Out)

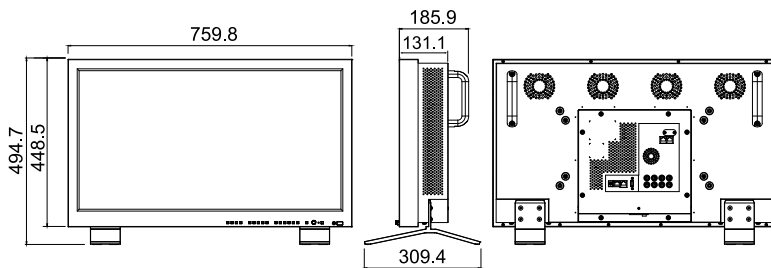
Input Signal	
12G-SDI	12Gb/s
6G-SDI	6Gb/s
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	2160p/1080p/720p/480p

SDI Input Signal Formats	
SMPTE ST2082	3840x2160 60/50/30/25/24p
SMPTE ST2081	3840x2160 30/25/24p
SMPTE ST2048-1:2011	2048x1080 30/29.97/25/24/23.98p/psF, 60/59.94/50/48/47.95p
SMPTE ST2036-1:2009	3840x2160 60/59.94/50/30/29.97/25/24/ 23.98p
SMPTE ST425M-A/B	1080p(50/59.94/60)
SMPTE ST274	1080p(30/29.97/25/24/23.98p/psF)
SMPTE ST296	720p(60/59.94/50)

Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack)
Power	AC 100~240V(50~60Hz)
Power Consumption(Approx.)	125Watts (Max.)
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 Cord / Stand

## Main body Dimensions

- Main Body : 759.8 x 448.5 x 131.1(mm) / 29.91 x 17.65 x 5.16(inch)
- With stand : 759.8 x 494.7 x 309.4(mm) / 29.91 x 19.47 x 12.18(inch)
- Weight : 19.4kg / 42.76lbs



## Optional Accessories



## Product Highlights

- 31.1", True 4K Resolution (4096 x 2160)
- Color gamut covers up to 98% DCI-P3
- HDR emulation function (PQ, HLG, S Log3)
- High Contrast Ratio of 1500:1
- 1.07 Billion Colors (10bit)
- Luminance up to 350cd/m<sup>2</sup>
- 4K / UHD Interface
  - 2 x 12G-SDI & 2 x 3G-SDI in
  - 4 x SDI out (Active Through Out)
  - 1 x HDMI in (HDMI 2.0)
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Wide Viewing Angle
- Time Code Display
- Audio Level Meter
- Blue Only
- Marker
- TVLogic Color Calibration Utility
- Focus Assist
- 3D LUT
- H/V Delay
- Mono

# LUM-318G (12G/4K/850nits HDR) *New!* Emulation

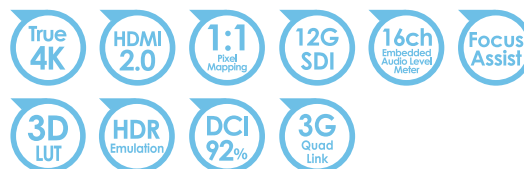


## 31" True 4K Monitor with 12G-SDI, HDMI 2.0 and enhanced luminance

The LUM-318G is a 31.1" native 4K resolution (4096x2160) monitor with maximum luminance of 850nit, contrast ratio of 1450:1, wide color gamut and wide viewing angle. Equipped with 4 BNCs (2x12G-SDI + 2x3G-SDI) and HDMI 2.0 interface, it supports various video formats upto 4K/60p through single-link 12G-SDI, Quad 3G-SDI and HDMI 2.0.

In addition to various professional features such as Waveform monitor and Vectorscope, the LUM-318G provides HDR emulation function with HDR EOTFs of PQ, HLG and SLog3.

More camera-specific HDR logs and gamuts will be supported by firmware update.



<b>Size</b>	31.1"
<b>Resolution</b>	4096 x 2160 (17:9)
<b>Pixel Pitch</b>	0.1704mm
<b>Color Depth</b>	1.07B
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	850cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1450:1
<b>Display Area</b>	698(H) x 368(V) mm

Input	
<b>4 x BNC</b>	12G-SDI A/B Channel Input 3G-SDI C/D Channel Input
<b>1 x HDMI</b>	HDMI Input (HDMI 2.0 ver)
Output	
<b>4 x BNC</b>	12G-SDI A/B, 3G-SDI C/D Channel (Loop Through Out)

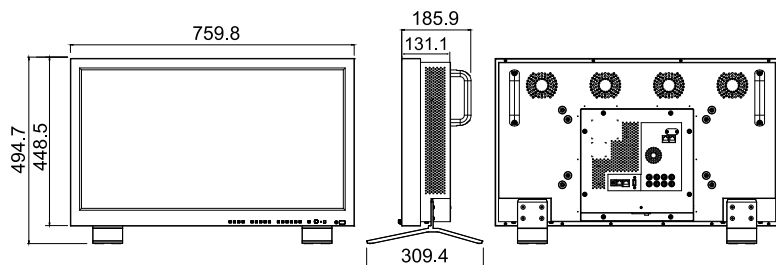
Input Signal	
<b>12G-SDI</b>	12Gb/s
<b>6G-SDI</b>	6Gb/s
<b>3G-SDI</b>	2.970Gb/s
<b>HD-SDI</b>	1.485Gb/s
<b>HDMI</b>	2160p/1080p/720p/480p

SDI Input Signal Formats	
<b>SMPTE ST2082</b>	3840x2160 60/50/30/25/24p
<b>SMPTE ST2081</b>	3840x2160 30/25/24p
<b>SMPTE ST2048-1:2011</b>	2048x1080 30/29.97/25/24/23.98p/psF, 60/59.94/50/48/47.95p
<b>SMPTE ST2036-1:2009</b>	3840x2160 60/59.94/59/30/29.97/25/24/ 23.98p
<b>SMPTE ST425M-A/B</b>	1080p(50/59.94/60)
<b>SMPTE ST274</b>	1080p(30/29.97/25/24/23.98p/psF)
<b>SMPTE ST296</b>	720p(60/59.94/50)

<b>Audio IN</b>	Embedded Audio / Analog stereo (Phone Jack)
<b>Audio OUT</b>	Analog stereo (Phone Jack)
<b>Power</b>	AC 100~240V(50~60Hz)
<b>Power Consumption(Approx.)</b>	195Watts (Max.)
<b>Operating Temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	AC Power Cord / Stand

## Main body Dimensions

- Main Body : 759.8 x 448.5 x 131.1(mm) / 29.91 x 17.65 x 5.16(inch)
- With stand : 759.8 x 494.7 x 309.4(mm) / 29.91 x 19.47 x 12.18(inch)
- Weight : 23kg / 50.70lbs



## Optional Accessories



## Product Highlights

- 31.1", True 4K Resolution (4096 x 2160)
- Color gamut covers up to 92% DCI-P3
- HDR emulation function (PQ, HLG, S Log3)
- High Contrast Ratio of 1450:1
- 1.07 Billion Colors (10bit)
- Luminance up to 850cd/m<sup>2</sup>
- 4K / UHD Interface
  - 2 x 12G-SDI & 2x3G-SDI in
  - 4 x SDI out (Active Through Out)
  - 1 x HDMI in (HDMI 2.0)
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Wide Viewing Angle
- Time Code Display
- Audio Level Meter
- Blue Only
- Marker
- TVLogic Color Calibration Utility

- Focus Assist
- 3D LUT
- H/V Delay
- Mono

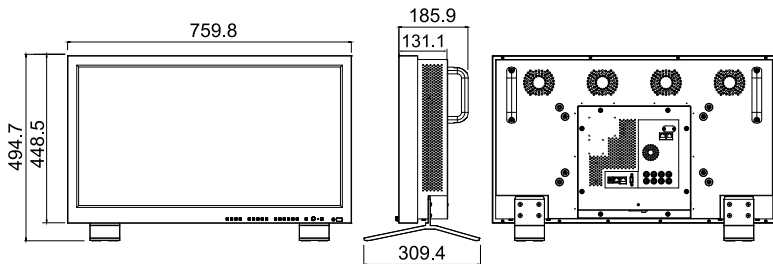


# LUM-310R (12G/4K/2000nits True HDR) *New!*



## Main body Dimensions

- Main Body : 759.8 x 448.5 x 131.1 (mm) / 29.91 x 17.65 x 5.16 (inch)
- With stand : 759.8 x 494.7 x 309.4(mm) / 29.91 x 19.47 x 12.18 (inch)
- Weight : 31kg / 68.34lbs



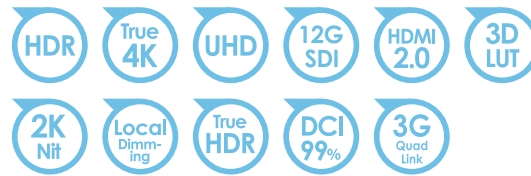
## Optional Accessories



## 31" 4K HDR Monitor

The LUM-310R is a 4K HDR Reference Master production monitor with a 31" wide Super-IPS 4K LCD (4096 x 2160) and a local-dimming backlight array designed to reproduce reference HDR content at a peak luminance of 2,000 nits with a simultaneous deep black minimum of 0.002 nits. This makes possible a simultaneous contrast ratio nearing 1 million to 1.

The LUM-310R supports various HDR standards such as SMPTE 2084 PQ, Hybrid-Log Gamma (HLG), and others. It also supports multiple color gamuts including Rec.709, DCI, and Rec.2020. Signal I/O includes 3G/6G/12G-SDI input via one, two, or four SDI connections as well as HDMI (ver.2.0).



## Product Highlights

- 31.1", True 4K Resolution (4096x2160)
- Local Dimming w/ 2,000+ direct LEDs
- Peak Luminance up to 2,000cd/m<sup>2</sup>
- Peak Contrast Ratio of 1,000,000:1
- HDR EOTFs (PQ, HLG, S Log3)
- Various Color Gamut up to 99% DCI-P3
- 1.07 Billion Colors (True 10bit)
- Wide Viewing Angle w/ IPS tech.
- Matte Finish Panel (Anti-glare)
- 1:1 Pixel Mapping Modes for HD
- 4K / UHD Interface
  - 2 x 12G-SDI & 2x3G-SDI in
  - 4 x SDI out (Active Through Out)
  - 1 x HDMI in (HDMI 2.0)
- 3D LUT for Precise Color Reproduction
- Blue Only
- H/V Delay
- TVLogic Color Calibration Tool

Size	31.1"
Resolution	4096 x 2160 (17:9)
Pixel Pitch	0.1704mm
Color Depth	1.07B (True 10bit)
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	2,000cd/m <sup>2</sup> (center)
Contrast Ratio	1,000,000:1
Display Area	698(H) x 368(V) mm

Input	
4 x BNC	12G-SDI A/B Channel Input 3G-SDI C/D Channel Input
1 x HDMI	HDMI Input (HDMI 2.0 ver)

Output	
4 x BNC	12G-SDI A/B, 3G-SDI C/D Channel (Active Through Out)

Input Signal	
12G-SDI	12Gb/s
6G-SDI	6Gb/s
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	2160p/1080p/720p/480p

SDI Input Signal Formats	
SMPTE ST2082	3840x2160 60/50/30/25/24p
SMPTE ST2081	3840x2160 30/25/24p
SMPTE ST2048-1:2011	2048X1080 30/29.97/25/24/23.98p/psF, 60/59.94/50/48/47.95p
SMPTE ST2036-1:2009	3840x2160 60/59.94/59/30/29.97/25/24/23.98p
SMPTE ST425M-A/B	1080p(50/59.94/60)
SMPTE ST274	1080p(30/29.97/25/24/23.98p/psF)
SMPTE ST296	720p(60/59.94/50)

Audio IN	Embedded Audio / Analog stereo (Phone Jack)
Audio OUT	Analog stereo (Phone Jack)
Power	AC 100~240V(50~60Hz)
Power Consumption(Approx.)	HDR on : 430Watts (Max.) HDR off: 195Watts (Max.)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 50°C (-4°F to 122°F)
Accessory	AC Power Cord / Stand



12G / 4K Monitors

# LUM-430M (12G/UHD) *New!*



## 43" UHD 12G-SDI Monitor

The LUM-430M is a UHD/4K monitor with a 42.5" True UHD (3840x2160) resolution, true 10-bit driver and various color gamuts support including DCI-P3. The LUM-430M supports 3G/6G/12G-SDI input-2x3G-SDI & 2x12G-SDI and HDMI 2.0 inputs.

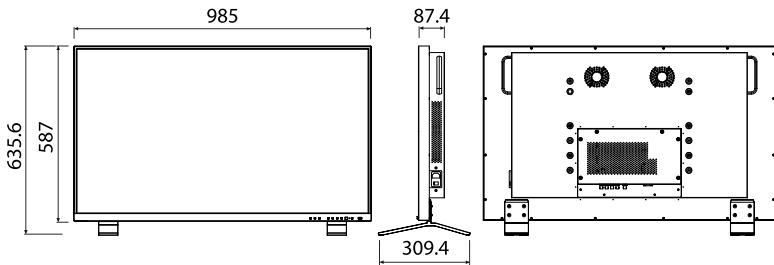


## Product Highlights

- 42.5", True UHD Resolution (3840x2160)
- High Contrast Ratio of 1000:1
- 1.07 Billion Colors (10bit)
- Wide Viewing Angle
- 4K / UHD Interface
  - 2x12G-SDI (Single Link) or 4x3G-SDI in (Quad Link)
  - 1xHDMI 2.0 in
  - 1x12G-SDI out
- 1:1 Pixel Mapping
- Marker
- IR Remote Control
- 3G-SDI Level A/B
- Firmware Upgrade via USB flash drives
- TVLogic Color Calibration Utility
- Audio Level Meter
- Time Code Display
- Ultra Slim Bezel

## Main body Dimensions

- Main Body : 985 x 587 x 87.4(mm) / 38.77 x 23.11 x 3.44(inch)
- With stand : 985 x 635.6 x 309.4(mm) / 98.77 x 25.02 x 12.18(inch)
- Weight : 23.0kg / 50.70(lbs)



<b>Size</b>	42.5"
<b>Resolution</b>	3840x2160(16:9)
<b>Pixel Pitch</b>	0.2451mm
<b>Color Depth</b>	1.07B (10bit)
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Typ.)</b>	350cd/m <sup>2</sup>
<b>Contrast Ratio</b>	1000:1
<b>Display Area</b>	962(H) x 554(V) mm

## Optional Accessories



Input	
4 x BNC	12G/3G/HD/SD SDI Input 2Ch 3G/HD SDI Input 2Ch
1 x HDMI	HDMI V2.0 Input 1Ch
Output	
1 x BNC	12G/3G/HD/SD SDI Output 1Ch (SDI A/B Selected channel output) 12G Mode : 3840x2160 60p/59.94p/50p (All Input Format Converted to 12G-SDI)
Input Signal	
12G-SDI	12Gb/s
6G-SDI	6Gb/s
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	2160p/1080p/720p (HDMI 2.0 ver)
SDI Input Signal Formats	
<b>SMPTE ST2082-10 Mode1</b>	3840x2160 60p/59.94p/50p (12G-SDI x 1Ch)
<b>SMPTE ST2081-10 Mode1</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (6G-SDI x 1Ch)
<b>SMPTE ST425-5</b>	3840x2160 60p/59.94p/50p (3G-SDI x 4Ch)
<b>SMPTE ST274</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (HD-SDI x 4Ch)
<b>SMPTE ST425</b>	1920x1080 60p/59.94p/50p (3G-SDI LEVEL A) 1920x1080 60i/59.94i/50i (3G-SDI LEVEL A) 1920x1080 30p/29.97p/25p/24p*/23.98p* (3G-SDI LEVEL B) 1280x720 60p/59.94p/50p (3G-SDI LEVEL B)
<b>SMPTE 274M</b>	1920x1080 30p/29.97p/25p/24p*/23.98p* 1920x1080 60i/59.94i/50i
<b>SMPTE-296M</b>	1280x720 60p/59.94p/50p
<b>SMPTE-259M</b>	720x487 59.94i 720x576 50i
* 24P/23.97P : 60p/59.94p Frame-rate Converted Display	
HDMI Input Signal Formats	
<b>HDMI V2.0</b>	3840x2160 60p/59.94p/50p (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8/10/12bit, YCbCr 4:2:0 8bit)
<b>HDMI V1.4</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8/10/12bit)
<b>HDMI V1.2</b>	1920x1080 60p/59.94p/50p/30p/29.97p/25p/24p*/23.98p* 1920x1080 60i/59.94i/50i 1280x720 60p/59.94p/50p (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8bit)
<b>Audio In</b>	SDI Embedded Audio (Group, Ch Selectable)
<b>Audio Out</b>	External Output Port (3.5m Phone Jack)
<b>Power</b>	100~240V, 1.3~0.6A/ 50/60Hz
<b>Power Consumption (Approx.)</b>	96Watts (Max.)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	AC Power Cord / Remote Control / Stand

12G / 4K Monitors

# LUM-550M (12G/UHD)



## 55" UHD 12G-SDI Monitor

UHD/4K monitor with a 55" native UHD (3840x2160) resolution, true 10-bit driver and multiple color gamut support. Accepts single 12G-SDI, quad 3G-SDI and HDMI 2.0 inputs.



## Product Highlights

- 55", True UHD Resolution (3840x2160)
- 3G-SDI Through out
- High Contrast Ratio of 1100:1
- 1.07 Billion Colors (10bit)
- Wide Viewing Angle
- 4K / UHD Interface
  - 2x12G-SDI (Single Link) or 4x3G-SDI in (Quad Link)
  - 1xHDMI 2.0 in (New)
  - 1x12G-SDI out
- 1:1 Pixel Mapping
- Marker
- IR Remote Control
- 3G-SDI Level A/B
- Firmware Upgrade via USB flash drives
- TVLogic Color Calibration Utility
- Audio Level Meter
- Time Code Display
- Ultra Slim Bezel
- HDMI to SDI Conversion

Input	
4 x BNC	12G/3G/HD/SD SDI Input 2Ch 3G/HD SDI Input 2Ch
1 x HDMI	HDMI V2.0 Input 1Ch

Output	
1 x BNC	12G/3G/HD/SD SDI Output 1Ch (SDI A/B Selected channel output) 12G Mode : 3840x2160 60p/59.94p/50p (All Input Format Converted to 12G-SDI)

Input Signal	
12G-SDI	12Gb/s
6G-SDI	6Gb/s
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	2160p/1080p/720p (HDMI 2.0 ver)

SDI Input Signal Formats	
<b>SMPTE ST2082-10 Mode1</b>	3840x2160 60p/59.94p/50p (12G-SDI x 1Ch)
<b>SMPTE ST2081-10 Mode1</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (6G-SDI x 1Ch)
<b>SMPTE ST425-5</b>	3840x2160 60p/59.94p/50p (3G-SDI x 4Ch)
<b>SMPTE ST274</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (HD-SDI x 4Ch)
<b>SMPTE ST425</b>	1920x1080 60p/59.94p/50p (3G-SDI LEVEL A) 1920x1080 60i/59.94i/50i (3G-SDI LEVEL A) 1920x1080 30p/29.97p/25p/24p*/23.98p* (3G-SDI LEVEL B) 1280x720 60p/59.94p/50p (3G-SDI LEVEL B)
<b>SMPTE 274M</b>	1920x1080 30p/29.97p/25p/24p*/23.98p* 1920x1080 60i/59.94i/50i
<b>SMPTE-296M</b>	1280x720 60p/59.94p/50p
<b>SMPTE-259M</b>	720x487 59.94i 720x576 50i

\* 24P/23.97P : 60p/59.94p Frame-rate Converted Display

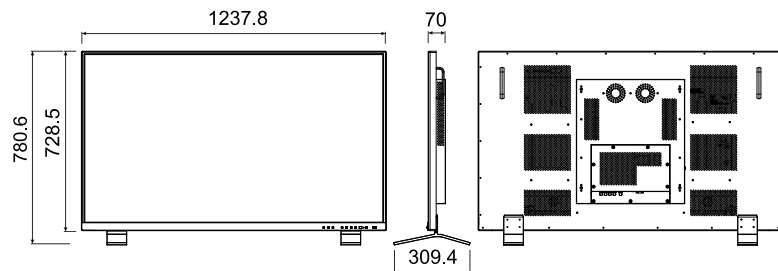
HDMI Input Signal Formats	
<b>HDMI V2.0</b>	3840x2160 60p/59.94p/50p (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8/10/12bit, YCbCr 4:2:0 8bit)
<b>HDMI V1.4</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8/10/12bit)
<b>HDMI V1.2</b>	1920x1080 60p/59.94p/50p/30p/29.97p/25p/24p*/23.98p* 1920x1080 60i/59.94i/50i 1280x720 60p/59.94p/50p (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8bit)

<b>Audio In</b>	SDI Embedded Audio (Group, Ch Selectable)
<b>Audio Out</b>	External Output Port (3.5m Phone Jack)
<b>Power</b>	100~240V, 1.3~0.6A/ 50/60Hz
<b>Power Consumption (Approx.)</b>	96Watts (Max.)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	AC Power Cord / Remote Control / Stand

<b>Size</b>	55"
<b>Resolution</b>	3840 x 2160 (16:9)
<b>Pixel Pitch</b>	0.315mm
<b>Color Depth</b>	1.07B (10bit)
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	500cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1100:1
<b>Display Area</b>	1209.6(H) x 680.40(V) mm

## Main body Dimensions

- Main Body : 1237.8 x 728.5 x 70 (mm) / 48.73 x 28.68 x 2.76 (inch)
- With stand : 1237.8 x 780.6 x 309.4 (mm) / 48.73 x 30.96 x 12.18 (inch)
- Weight : 31kg / 66.14lbs



## Optional Accessories



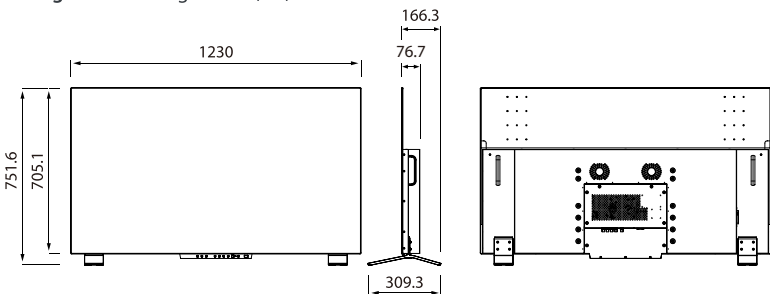
12G / 4K Monitors

# LEM-550R (12G/UHD) *New!*



## Main body Dimensions

- Main Body : 1230 x 705.1 x 76.7(mm) / 48.42 x 27.75 x 3.01(inch)
- With stand : 1230 x 751.6 x 309.4(mm) / 48.42 x 29.59 x 12.18(inch)
- Weight : 30.0kg / 66.13(lbs)



## 55" UHD OLED Monitor for HDR Monitoring

The LEM-550R is QC-Grade HDR monitor for broadcast and post production with a 55-inch OLED panel with UHD resolution of 3840 x 2160. The OLED panel can reproduce a maximum luminance of up to 750 nits. The LEM-550R supports various HDR standards such as SMPTE 2084(PQ), Hybrid-Log Gamma (HLG), and others. It also supports multiple color gamuts including Rec.709, DCI-P3, and Rec.2020. Signal I/O includes 3G/6G/12G-SDI input via single, dual, or quad link SDI connections, as well as single link HDMI (ver.2.0).

## Product Highlights

- 55", True UHD Resolution (3840x2160)
- High Contrast Ratio of 140,000:1
- 1.07 Billion Colors (True 10bit)
- Peak Luminance up to 750 nits (HDR)
- HDR EOTFs
- Wide Color Gamuts (Rec.709, DCI-P3, Rec.2020)
- Waveform, Vectorscope, Audio Level Meter Display
- Firmware Upgrade via USB flash drives
- HDR (PQ, HLG, S-Log3)
- 3G-SDI Level A/B
- Time Code Display
- Bezel-less Design
- Marker
- IR Remote Control
- TVLogic Color Calibration Tool

<b>Size</b>	54.6"
<b>Resolution</b>	3840x2160(16:9)
<b>Pixel Pitch</b>	0.315mm
<b>Color Depth</b>	1.07B (10bit)
<b>Viewing Angle (Typ.)</b>	179°(H) / 179°(V)
<b>Luminance (Typ.)</b>	HDR 750cd /m <sup>2</sup> (Typ.140cd/m <sup>2</sup> )
<b>Contrast Ratio</b>	HDR 140,000:1
<b>Display Area</b>	1209.6(H) x 680.4(V) mm

## Optional Accessories



Input	
4 x BNC	12G/3G/HD/SD SDI Input 2Ch 3G/HD SDI Input 2Ch
1 x HDMI	HDMI V2.0 Input 1Ch
Output	
1 x BNC	12G/3G/HD/SD SDI Output 1Ch (SDI A/B Selected channel output) 12G Mode : 3840x2160 60p/59.94p/50p (All Input Format Converted to 12G-SDI)
Input Signal	
12G-SDI	12Gb/s
6G-SDI	6Gb/s
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	2160p/1080p/720p (HDMI 2.0 ver)
SDI Input Signal Formats	
<b>SMPTE ST2082-10 Mode1</b>	3840x2160 60p/59.94p/50p (12G-SDI x 1Ch)
<b>SMPTE ST2081-10 Mode1</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (6G-SDI x 1Ch)
<b>SMPTE ST425-5</b>	3840x2160 60p/59.94p/50p (3G-SDI x 4Ch)
<b>SMPTE ST274</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (HD-SDI x 4Ch)
<b>SMPTE ST425</b>	1920x1080 60p/59.94p/50p (3G-SDI LEVEL A) 1920x1080 60i/59.94i/50i (3G-SDI LEVEL A) 1920x1080 30p/29.97p/25p/24p*/23.98p* (3G-SDI LEVEL B) 1280x720 60p/59.94p/50p (3G-SDI LEVEL B)
<b>SMPTE 274M</b>	1920x1080 30p/29.97p/25p/24p*/23.98p* 1920x1080 60i/59.94i/50i
<b>SMPTE-296M</b>	1280x720 60p/59.94p/50p
<b>SMPTE-259M</b>	720x487 59.94i 720x576 50i
* 24P/23.97P : 60p/59.94p Frame-rate Converted Display	
HDMI Input Signal Formats	
<b>HDMI V2.0</b>	3840x2160 60p/59.94p/50p (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8/10/12bit, YCbCr 4:2:0 8bit)
<b>HDMI V1.4</b>	3840x2160 30p/29.97p/25p/24p*/23.98p* (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8/10/12bit)
<b>HDMI V1.2</b>	1920x1080 60p/59.94p/50p/30p/29.97p/25p/24p*/23.98p* 1920x1080 60i/59.94i/50i 1280x720 60p/59.94p/50p (RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 8bit)
<b>Audio In</b>	SDI Embedded Audio (Group, Ch Selectable)
<b>Audio Out</b>	External Output Port (3.5m Phone Jack)
<b>Power</b>	100~240V, 1.3~0.6A/ 50/60Hz
<b>Power Consumption (Approx.)</b>	TBD
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	AC Power Cord / Remote Control / Stand



# Optional Accessories

	Acrylic Protector	Acrylic ND Filter	Rack Mount Kit (Dual, Single)	Camera Mount Ball Head	V-Mount / Gold Mount	Battery Bracket / D-Tap Cable	External Tally	Sun-Hood	Carrying Case	HDMI Bracket	SFP Module
F-7H	●			●	● (V, G)	● (B, D)			● (Pelican)	●	
VFM-055A	● Included Free			●		● (B, D)		●	●	●	
RKM-535A											
RKM-443A											
RKM-356A											
RKM-270A											
RKM-290A											
LVM-070C	●		● (D, S)	●	● (V, G)	● (D)		●	●	●	
LVM-075A	● Included Free		● (D, S)	●	● (V, G)	● (D)	●	●	●	●	
LVM-095W-N	●		● (D, S)	●				●	●	●	
SRM-095W-N	●		● (D, S)	●				●	●	●	
LVM-170A		●	● (S)		● (V, G)			●	●		
LVM-171A	●	●	● (S)		● (V, G)			●	●		
LVM-171S	●	●	● (S)		● (V, G)			●	●		
LVM-212W			● (S)						●		
LVM-232W-A		●	● (S)		● (V,G)				●		
LVM-241S	●	●	● (S)		● (V,G)				●		
LVM-246W	●	●	● (S)		● (V,G)				●		
LVM-328W									●		
SWM-171A		●	● (S)								●
SWM-420A									●		●
SWM-460A									●		●
SWM-550A									●		●
LVM-420A									●		
LVM-460A									●		
LVM-550A									●		
XVM-177A	●	●	● (S)		● (V, G)			●	●		
LUM-171G	●	●	● (S)		● (V, G)			●	●		
LUM-240G	●	●	● (S)		● (V, G)				●		
LUM-313G									●		
LUM-318G									●		
LUM-310R									●		
LUM-430M									●		
LUM-550M									●		
LEM-550R									●		

\* S=Single, D=Dual/D-Tap Cable, V=V-Mount, G=Gold Mount

# Qualified Service Center

TVLogic, the broadcast monitor brand of Vidente Co., Ltd., proudly announces the TVLogic Qualified Service Centers (TQSC) in the world.



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Highly trained service engineer with advanced equipments. Provides after-sales service including consulting, firmware upgrade, color calibration and professional repairment service.

### PRO Level

Professional service engineer with industrial-grade equipments and experience. Provides after-sales service including consulting, firmware upgrade, color calibration and basic repairment service.

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