2017 Line-Up for Broadcast Display

VFM-055A / 5.5" Full HD Viewfinder Monitor (OLED)
# TVLogic Product Lineup 2017

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*All monitor specifications may be changed without notice.
About TVLogic Monitors
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 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 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. Four 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 DK Technologies PM5639.

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.
About TVLogic Monitors

Industry-Leading Broadcast Features and Superior Video Engineering

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, TDM 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 everywhere in between.

Superior Picture Quality

Full Native HD Resolution
The 5.5”, 7”, 9”, 17”, 21”, 23”, 24”, 32”, 42”, 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.

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”, 5.6”, 7”, 9”, 17”, 18”, 21”, 23”, 24”, 32”, 42”, 46”, and 55” units (except LVM-XX2Ws)
- 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 / 708)
- Brightness, Contrast, Chroma, Hue and Backlight adjustability
- Waveform / Vectorscope
- Firmware update using TVLogic Update Tool
**TVLogic Monitor Series**

**VFM Series**
The VFM-056WP and VFM-058W are ideal for small camera/HDSLR production. A compact and light-weight magnesium-alloy case houses a 5.6” native 1280x800 resolution and 5.5” Full HD 1920x1080 resolution LED backlight LCD 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-056WP and the VFM-058W offer 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.

**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.
TVLogic Monitor Series

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 four monitors with UHD/4K resolution, precise color reproduction, and wide color gamut. TVLogic introduced one of the 1st generation 4K monitors, the LUM-360W in 2010.

Our latest offerings include a 31” 4K-DCI monitor and 24” and 55” UHD monitors with up to 12G single SDI input.

LEM Series

TVLogic introduced the world’s first AMOLED broadcast monitor in 2010, the LEM-150, a 15” HD resolution OLED monitor that demonstrated the great potential this new display technology can offer for professional motion imaging display.

Our current OLED monitor, the LEM-250A, is the most capable and color-accurate monitor we have built to date.

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 professionals features such as Marker, Timecode, Audio Level Meter, various CCs and UMDs.
**Viewfinder LCD Monitors**

**VFM-056WP**

### 5.6” Light Weight Compact Viewfinder

The VFM-056WP is available in two configurations and is ideal for HD-SLR production. A 6” x 4” x 1” lightweight magnesium-alloy case houses a 5.6” 1280x800 LED backlight LCD display with a full complement of preferred features including DSLR Scale, Focus Assist, Various Scan Modes, Markers, Audio Level Meter with speaker, Timecode Display, HDMI loop out via HD-SDI (720p), Waveform/Vectorscope, Y Level Check and Range Error Check.

### Product Highlights

- 5.6” 1280x800 (16:10) Resolution
- HDMI to SDI Conversion
- Magnesium Housing + Light Weight
- 3G-SDI Level A/B
- Audio Level Meter Display
- Blue Only
- Luma(Y’) Zone Check
- Max Brightness On / Off
- Temperature Adaptive Color
- Time Code Display
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- Focus Assist • H/V Delay
- Marker • Mono
- Range Error • Zoom

### Main body Dimensions

- Main Body: 156 x 103 x 26.5 (mm) / 6.14 x 4.06 x 1.04 (inch)
- Weight: 0.3kg / 0.66lbs

### Optional Accessories

- Acrylic Protector
- V-Mount Battery Bracket
- Ball Head

### Input

- 3 x RCA Analog Video Input
- 1 x BNC SDI Channel Input
- 1 x HDMI HDMI(1.2Ver) Input

### Output

- 1x BNC HDMI-to-SDI conversion output

### Input Signal

- Analog CVBS / S-Video / Component Video
- 3G-SDI 2.970Gb/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) & VESA/IBM Modes

### 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 (Pls,Pr)

### SDI Input Signal Formats

- SMPTE-425M-A/B 1080p60/59.94/50/30/29.97/25/24/23.98
- SMPTE-274M 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

- Embedded Audio

### Audio Out

- Analog Stereo (Phone Jack) / Internal Speaker (Mixed Mono)

### Power

- DC 12V/3A (Max. 6.0A)

### Power Consumption

- 8.4 Watts (Typ.)

### Operating Temperature

- 0°C to 40°C (32°F to 104°F)

### Storage Temperature

- -20°C to 60°C (-4°F to 140°F)

### Accessory

- AC Power Cord / DC Power Adaptor / BNC Connector / Camera Mount

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**Size** 5.6”

**Resolution** 1280 x 800 (16 : 10)

**Pixel Pitch** 0.0945mm

**Color Depth** 16.7M

**Viewing Angle (Typ.)** 170°(H) / 170°(V)

**Luminance (Max.)** 300cd/m² (center)

**Contrast Ratio** 500:1

**Display Area** 121(H) × 76(V) mm
**Viewfinder LCD Monitors**

**VFM-058W**

**5.5” Full HD Viewfinder**

The VFM-058W, combines a compact and lightweight form-factor with outstanding picture quality from a 5.5” 1920 x 1080 native LCD.

The VFM-058Ws innovative and ergonomic design makes it ideal for camera-top monitoring. It supports multi-formats including 3G/HD/SD-SDI and HDMI for DSLR cameras, broadcast news and motion picture production.

The VFM-058W has various features such as Max Brightness function, Temperature Adaptive Color, HDMI-to-SDI cross converted output, 1:1 pixel mode, Luma(Y’) Zone Check function, DSLR Scale, Waveform/Vectorscope, Range Error, Focus Assist, Markers, Audio Level Meter with speaker and Timecode display.

**Product Highlights**

- 5.5”*1920x1080 (16:9) Resolution
- HDMI ↔ SDI cross conversion
- Audio Level Meter Display
- Max Brightness On / Off
- Temperature Adaptive Color
- Luma(Y’) Zone Check
- Blue Only
- H/V Delay
- Key lock
- Mono
- Time Code Display
- Various Scan modes
- Zoom
- 3G-SDI Level A/B
- Focus Assist
- H/V Flip
- Marker
- Range Error
- User Aspect
- Waveform/Vectorscope
- Camera LUT

**Main body Dimensions**

- Main Body: 156 x 98 x 28.5 (mm) / 6.14 x 3.85 x 1.12 (inch)
- Weight: 0.34kg / 0.74lbs (with heatsink: 0.12kg / 0.26lbs)

**Optional Accessories**

- Case
- V-Mount Battery
- Bracket
- Ball Head
- HDMI Bracket D-Tap Cable
- AC Power Cord / DC Power Adapter / Camera Mount / BNC Connector / Acrylic Protector

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**Input**

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

**Output**

| 1 x BNC | HDMI-to-SDI conversion output |
| 1 x 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 (24/25/30/50/60) / 1080i (50/60) / 720p (60/50) / VESA/IBM Modes

**SDI Input Signal Formats**

- SMPTE-425M-A/B: 1080p (60/59.94/50/30/29.97/25/24/23.98/24sF) / 1080i (60/59.94/50)
- SMPTE-274M: 1080i (60/59.94/50) / 1080p (30/29.97/25/24sF/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.666: 576i (50)

**Audio In**

- Embedded Audio

**Audio Out**

- Analog Stereo (Phone Jack) / Internal Speaker (Mono)

**Power**

- DC 12V/3A (Max 6.0A)

**Power Consumption (Approx.)**

- 9.6Watts (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 / DC Power Adapter / Camera Mount / BNC Connector / Acrylic Protector

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**Size**

- 5.5”

**Resolution**

- 1920 x 1080 (16 : 9)

**Pixel Pitch**

- 0.063mm

**Color Depth**

- 16.7M

**Viewing Angle (Typ.)**

- 160°(H) / 160°(V)

**Luminance (Max.)**

- 450cd/m² (Typ.)

**Contrast Ratio**

- 1000:1

**Display Area**

- 121 (H) x 68 (V) mm
3G-SDI Multi-Channel LCD Rack Monitors
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)
- TVLogic Color Calibration Utility
- 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

Size
- 3.5"

Resolution
- 940 x 640 (3:2)

Pixel Pitch
- 0.078mm

Color Depth
- 16.7M

Viewing Angle (Typ.)
- 160°(H) / 160°(V)

Luminance (Max.)
- 500cd/m² (center)

Contrast Ratio
- 1000:1

Display Area
- 75(H) x 50(V)mm

Input
- 1 x BNC SDI Channel Input
- 1 x BNC Analog Video Input

Output
- 1 x BNC SDI Channel Output

Input Signal
- Analog
  - CVBS
- 3G-SDI
  - 2.970Gb/s
- HD-SDI
  - 1.485Gb/s
- SD-SDI
  - 270Mb/s

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

SDI Input Signal Formats
- SMPTE-425M-A/B
  - 1080i (60/59.94/50)
- SMPTE-274M
  - 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 Consumption (Approx.)
- DC 12V

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/m² 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

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 found in the VFM-056WP, 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

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 / 8.58lbs

Model | RKM-443A | RKM-356A
--- | --- | ---
Size | 4.3” | 5.6”
Resolution | 800 x 480 (15:9) | 1280 x 800 (16:10)
Pixel Pitch | 0.117mm | 0.094mm
Color Depth | 16.7M | 16.7M
Viewing Angle (Typ.) | 160°(H) / 160°(V) | 170°(H) / 170°(V)
Luminance (Max.) | 600cd/m² (center) | 300cd/m² (center)
Contrast Ratio | 1000:1 | 500:1
Input (1 Screen)
1 x BNC | SDI Channel Input | -
1 x BNC | CVBS | CVBS
1 x HDMI | - | HDMI Input
2 x BNC | - | SDI A/B Channel Input
Output (1 Screen)
1 x BNC | SDI Channel Output | SDI Channel Output

Input Signal
| Analog | CVBS | CVBS |
| 3G SDI | 2.970Gb/s | 2.970Gb/s |
| HD-SDI | 1.485Gb/s | 1.485Gb/s |
| SD-SDI | 270Mb/s | 270Mb/s |
| HDMI | - | 1080i | 24/25/30/50/60 | 720p (50/60) / 576p (50/60) & VESA / IBM Modes |
| SDI Input Signal Formats |
| SMPTE-425M-A/B | 1080p (23.98/24/25/30/29.97/25/24.98/30/29.97/25/24/23.98/24/23.98/24/23.98/24 |
| SMPTE-274M | 1080i (60 / 59.94 / 50) | 1080i (60/59.94/50) |
| SMPTE-296M | 720p (60/59.94/50) | 720p (60/59.94/50) |
| SMPTE-260M | 1035i (60 / 59.94) | 1035i (60 / 59.94) |
| SMPTE-125M | 480i (59.94) | 480i (59.94) |
| ITU-R BT.656 | 576i (50) | 576i (50) |
| Power | DC 12V / 3A (Max. 6.0A) | DC 12V / 3A (Max. 6.0A) |
| Power Consumption (Approx.) | 60Watts (Typ.) | 60Watts (Typ.) |
| Operating Temperature | 0°C to 40°C (32°F to 104°F) | 0°C to 45°C (32°F to 113°F) |
| Storage Temperature | -20°C to 60°C (-4°F to 140°F) | -20°C to 60°C (-4°F to 140°F) |
| Accessory | AC Power Cord, Rack Mountable Kit | AC Power Cord, Rack Mountable Kit |
### RKM-270A

3RU rack-mount monitor with 2 × 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.

**Main body Dimensions**
- **Main Body**: 480.8 x 132 x 50.5 (mm) / 18.93 x 5.2 x 1.99 (inch)
- **Weight**: 4kg / 8.8lbs

**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
- User Aspect
- UMD
- Various Scan modes
- 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

### RKM-290A

4RU rack-mount monitor with 2 × 9” 1920 x 1080 LCD screens, utilizing 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.

**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

**Product Highlights**
- 9” 1920 x 1080 (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
- User Aspect
- UMD
- Various Scan modes
- 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 / 8.8lbs
### SD/HD/3G-SDI Multi-Format Monitors

**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

#### 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

- Acrylic Protector
- Rock Mount
- Mount
- Car Mount
- 3G SDI Monitor
- V-Mount
- HDMI Bracket
- G-Mount

#### Input

- 1 x HDMI
- 3 x RCA
- 1 x BNC

#### Output

- 1 x BNC

#### 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 Format

- SMPTE-425M A/B: 1080p (60/59.94/50/29.97/25/24/23.98/30/29.97/25/24/23.98/30/29.97/25/24/23.98sF) / 1080i (60/59.94/50)
- SMPTE-274M: 1080i (60/59.94/50)
- SMPTE-296M: 720p (50/59.94/50)
- 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

- 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

### Optional Accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Protector</td>
<td>Suitable for outdoor use</td>
</tr>
<tr>
<td>Rock Mount</td>
<td>Ideal for mounting on a tripod</td>
</tr>
<tr>
<td>Mount</td>
<td>Universal mounting solution</td>
</tr>
<tr>
<td>Car Mount</td>
<td>Easy to install for car use</td>
</tr>
<tr>
<td>3G SDI Monitor</td>
<td>Suitable for 3G-SDI signal input</td>
</tr>
<tr>
<td>V-Mount</td>
<td>Provides stability for use</td>
</tr>
<tr>
<td>HDMI Bracket</td>
<td>HDMI input/output connector</td>
</tr>
<tr>
<td>G-Mount</td>
<td>Secures the monitor in place</td>
</tr>
</tbody>
</table>
SD/HD/3G-SDI Multi-Format Monitors

LVM-075A

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/Vectorscope, 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
• Focus Assist
• H/V Delay
• H/V Flip
• Marker
• Luma(Y’) Zone Check
• Mono
• Range Error
• User Aspect
• Camera LUT

Size
Resolution: 1920X1080 (16:9)
Pixel Pitch: 0.081mm
Color Depth: 16.7M
Viewing Angle (Typ.): 170°(H)/170°(V)
Luminance (Max.): 600cd/m²
Contrast Ratio: 800:1
Display Area: 155(H) X 87(V)mm

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

Input
1 x HDMI
3 x RCA
2 x BNC

Output
1 x BNC
1 x HDMI

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 (60/59.94/50/30/29.97/25/23.98/30sF/29.97sF/25sF/24sF/23.98sF) / 1080i (60/59.94/50)
SMPTE-274M
1080p (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
Embedded Audio / Analog stereo
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
Sunlight Readable Monitor
SRM-074W-N

The Most Comprehensive 7” HD LCD Display Available
The SRM-074W-N features a high-resolution (1024x600) 7” LED backlit LCD panel housed in lightweight (600 grams) yet durable magnesium alloy case.

An ideal monitor for the latest compact cinema cameras, the SRM-074W-N offers a wide range of professional features including: Waveform/Vectorscope, built-in HDMI to HD-SDI conversion output, Horizontal and Vertical Image Flip, Focus Assist, Audio Level Meter and more.

A feature unique to the SRM-074W-N is TVLogic’s new user selectable Temperature Adaptive Color function that measures LCD panel temperature and automatically compensates the white balance drift caused by a cold or hot weather.

Product Highlights
• 7” 1024 x 600 (16:9) Resolution
• 1500cd/m² White LED Backlight
• HDMI to SDI conversion
• 1:1 Pixel Mapping Modes for SD/HD/FHD
• Temperature Adaptive Color
• Waveform/Vectorscope
• Audio Level Meter Display
• Focus Assist
• Max Brightness On / Off
• Time Code Display
• Various Scan modes
• H/V Flip
• CC-608 LINE 21/ANC, CC-708
• ZU-608 LINE 21/ANC, CC-708

Input
1 x HDMI
3 x RCA
2 x BNC

Output
1 x BNC
1 x HDMI

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
Component Video 1.0Vp-p (Y With Sync), 1.350mV (Pb,Pr)

SDI Input Signal Formats
SMPTE-425M-A/B 1080p (60/59.94/50/29.97/25/24/23.98/30/29.97/F/25F/24Fs/23.98Fs / 1080i (60/59.94/50)
SMPTE-274M 1080p (60/59.94/50)
1080i (30/29.97/25/24/23.98/23.98Fs)
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
Audio OUT Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)

Power DC 12V/1A (Max. 2.0A)
Power Consumption (Typ.) 10Watts (Typ.)
Operating Temperature 0°C to 40°C (32°F to 104°F) / 0°C to 35°C (32°F to 95°F) (SRM-074W)
Storage Temperature -20°C to 60°C (-4°F to 140°F)
Accessory AC Power Cord / DC Power Adaptor / Camera Mount Support / Stand
9" FHD Multi-purpose Monitor

The LVM-095W-N is the new 9" released from TVLogic displays full HD resolution of 1920x1080. It also 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

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 (60/59.94/50/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
- SMPTE-274M 1080i (60/59.94/50)
- SMPTE-296M 720p (60/59.94)
- SMPTE-260M 1035i (60/59.94)
- SMPTE-125M 480i (59.94)
- ITU-R BT.656 576 (50)

Audio IN

- Embedded Audio / Analog stereo (Phone Jack)

Audio OUT

- Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)

Power

- DC 12/24V

Power Consumption

- 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
## 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**

## Main body Dimensions
- **Main Body**: 223 x 175 x 73.3 (mm) / 8.78 x 6.89 x 2.88 (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
- Acrylic Protector
- HDMI Bracket
- Handle
- AC Power Cord / DC Power Adaptor / Camera Mount Support / Stand / Handle / Stand

## Analog Input Spec
- **CVBS**: 1.0Vp-p (With Sync) NTSC, PAL

## SDI Input Signal Formats
- ** SMPTE-425M-A/B**: 1080p (60/59.94/50/29.97/25/24/23.98/23.98sF)
- ** SMPTE-274M**: 1080i (60/59.94/50)
- ** SMPTE-296M**: 720p (60/59.94)
- ** SMPTE-260M**: 1035i (60/59.94)
- ** SMPTE-125M**: 480i (59.94)
- ** ITU-R BT.656**: 576i (50)
- ** 2K Format**: 2048 x 1080 (24/23.98sF, 23.98sF, 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.)**: 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)

## Accessories
- AC Power Cord / DC Power Adaptor / Camera Mount Support / Handle / Stand
SD/HD/3G-SDI Multi-Format Monitors

LVM-170A New!

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” 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
• Range Error
• Time Code Display
• UMD
• User Aspect
• Various Scan modes
• Waveform/Vectorscope
• CC-608 ANC
• CC-608 LINE 21
• CC-708
• TVLogic Color Calibration Utility

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

<table>
<thead>
<tr>
<th>Input</th>
<th>1 x BNC</th>
<th>CVBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x BNC</td>
<td>SDI A/B Channel Input</td>
<td></td>
</tr>
<tr>
<td>1 x HDMI</td>
<td>HDMI Input</td>
<td></td>
</tr>
<tr>
<td>1 x DVI - I</td>
<td>DVI Input</td>
<td></td>
</tr>
<tr>
<td>Output</td>
<td>1 x BNC</td>
<td>CVBS / S-Video / Component / RGB(D-TV)</td>
</tr>
<tr>
<td>1 x BNC</td>
<td>3G/HD/SDI-SDI OUT</td>
<td></td>
</tr>
</tbody>
</table>

Input Signal

- Analog: CVBS
- 3G-SDI: 2.970Gb/s
- HD-SDI: 1.485Gb/s
- SD-SDI: 270Mb/s
- DVI-PC (Analog): 640x480/720x480/800x600/1024x768/1280x1024/1366x768
- DVI-D (PC & HDMI): 640x480/720x480/800x600/1024x768/1280x1024/1366x768/1920x1080/23.98/24/25/30/50/59.94/60
- HDMI (PC & HDMI): 640x480/720x480/800x600/1024x768/1280x1024/1366x768/1920x1080/23.98/24/25/30/50/59.94/60

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) / 1080i(60/59.94/50)
  - SMPTE-274M: 1080p(60/59.94/50) / 1080i(60/59.94/50)
  - SMPTE-279M: 1080p(60/59.94/50) / 1080i(60/59.94/50)
  - SMPTE-260M: 1080p(60/59.94/50) / 1080i(60/59.94/50)
  - SMPTE-125M: 1080p(59.94)
  - ITU-R BT.656: 576 (50)

Audio

- Audio IN: Embedded Audio / Analog stereo (Phone Jack)
- Audio OUT: Analog stereo (Phone Jack) / Internal Speaker (Stereo)
- Power: DC 12/24V / 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 / USB Cover
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

• 17” 1920x1080 (16:9) Resolution
• 3G-SDI Level A/B
• Audio Level Meter Display
• Luma(Y’) Zone Check
• Various Scan modes
• Waveform/Vectorscope
• TVLogic Color Calibration Utility
• Marker
• CC-608 LINE 21/ANC, CC-708
• Blue Only
• Focus Assist
• H/V Delay
• Key lock
• Mono
• Range Error
• Time Code Display
• UMD
• User Aspect

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

- Case
- Head
- Rock Mount
- G-Mount
- AC Power Cord
- Stand
- USB Cover

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/m² (center)
Contrast Ratio | 1400:1
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

HDMI (PC & HDMI)
640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1080p(23.98/24/25/30)/50/60/72p(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

SMPT-425M-A/B 1080p(60/59.94/50/30/29.97/25/24) 30f(29.97)/25f(24f)/23.98f(30f)

SMPT-274M 1080i(60/59.94/50/30/29.97/25/24) 25f/23.98f

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 (24/23.98/23.98sF)

Audio IN
Embedded Audio / Analog stereo (Phone Jack)

Audio OUT
Analog stereo (Phone Jack)
Internal Speaker (Stereo)

Power
DC 12/24V / 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
The only 18.5" broadcast monitor with true wide viewing angle

The LVM-182W-A is a versatile and cost-effective monitor that supports various video formats including 3G-SDI and professional features. Utilizing the state-of-the-art IPS LCD panel and combined with TVLogic’s excellent video processing technology, the LVM-182W-A provides outstanding viewing angle with accurate colors and rich professional features.

### Product Highlights

- **18.5" 1366 x 768 (16:9) Resolution**
- **3G-SDI Level A/B**
- **Audio Level Meter Display**
- **Blue Only**
- **Focus Assist**
- **H/V Delay**
- **Luma(Y’) Zone Check**
- **Marker**
- **Mono**
- **Time Code Display**
- **Various Scan modes**
- **Waveform/Vectorscope**
- **TVLogic Color Calibration Utility**
- **CC-608 LINE 21/ANC, CC-708**
- **UMD**
- **Range Error**
- **User Aspect**
- **X3 Zoom (PBP)**
- **Zoom**

### Main body Dimensions

- **Main Body**: 442.5 x 309.2 x 65.4 (mm) / 17.42 x 12.17 x 2.57 (inch)
- **With stand**: 482.5 x 333.4 x 137.6 (mm) / 19.03 x 13.13 x 5.41 (inch)
- **Weight**: 5.12kg / 11.28lbs

### Input Signal

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

### Optional Accessories

- **AC Power Cord / Stand**
- **ND Filter**
- **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 (Active Loop Through)**

### Analog Input Spec

- **Size**: 18.5"
- **Resolution**: 1366 x 768 (16:9)
- **Pixel Pitch**: 0.300mm
- **Color Depth**: 16.7M
- **Viewing Angle (Typ.)**: 178°(H) / 178°(V)
- **Luminance (Max.)**: 250cd/m² (center)
- **Contrast Ratio**: 1000:1
- **Display Area**: 410(H) x 230(V) mm

### Power

- **DC 24V / DC 12V with V-Mount / AC 100 ~240V (50~ 60 Hz)
- **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
**SD/HD/3G-SDI Multi-Format Monitors**

**LVM-212W**

### 21.5” 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.

### 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

### Input
- 1 x DVI-I
- 1 x HDMI
- 3 x BNC
- 2 x BNC

### Output
- 3 x BNC
- 1 x BNC

### Input Signal
- **Analog**
  - CVBS / S-Video / Component
- **3G-SDI**
  - 2.970Gb/s
- **HD-SDI**
  - 1.485Gb/s
- **SD-SDI**
  - 270Mb/s
- **HDMI**
  - 480p/576p/720p/1080i/1080p
  - 24/25/30/50/60

### 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
- **SMPT-E-423M-A/B**
  - 1080p (60/59.94/50/29.97/25/24/23.98/24/23.98/30/29.97/F25/F24/F23.98/F) / 1080i (60/59.94/50)
- **SMPT-E-274M**
  - 1080i (60 / 59.94 / 50)
  - 1080p (30/29.97/25/24/24sF/23.98/23.98sF)
- **SMPT-E-296M**
  - 720p (60/59.94/50)
- **SMPT-E-260M**
  - 1035i (60/59.94)
- **SMPT-E-125M**
  - 480i (59.94)
- **ITU-R BT.656**
  - 576 (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)

### Accessories
- AC Power Cord / Control Knob Cap / Stand
SD/HD/3G-SDI Multi-Format Monitors
LVM-232W-A

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
• TVLogic Color Calibration Utility
• CC-608 LINE 21/ANC, CC-708
• UMD
• User Aspect
• Zoom

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
- ND Filter
- 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 2.970Gbps
- HD-SDI 1.485Gbps
- SD-SDI 270Mbps
- DVI-Analog 640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1920x1080
- DVI-D (PC & HDMI) 640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1920x1080
- 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(60/59.94/50/30/29.97/25/24/23.98/30f/29.97f/F/25f/24f/23.98f/24sf) 1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)
- SMPTE-274M 1080p(60/59.94/50)/1080p(30/29.97/25/24f/23.98/23.98f/24sf/23.98sF/24fs/23.98sF)
- SMPTE-296M 720p(60/59.94/50)
- SMPTE-260M 1053i(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 24V / 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
**Multi Format | 22**

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

**LVM-246W** New!

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**
- **CC-608 LINE 21**
- **Various Scan modes**
- **Waveform/Vectorscope**
- **TVLogic Color Calibration Utility**

### 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/640x480/720x480/1920x1200
- 1080p/24(23.98), 1080i/576p/720p
- 1080i/59.94
- 576i/576p
- 2K Format
  - 2048 x 1080p (24/25/50/59.94/60)

### 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
- 77Watts (Typ.)

### Operating Temperature
- 0°C to 40°C (32°F to 104°F)

### Storage Temperature
- -20°C to 60°C (-4°F to 140°F)

### Accessory
- AC Power Cord / Stand

---

**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

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**Optional Accessories**

---

**Size**
- 24"

**Resolution**
- 1920 x 1080 (16 : 9)

**Pixel Pitch**
- 0.27mm

**Color Depth**
- 16.7M

**Viewing Angle (Typ.)**
- 178°(H) / 178°(V)

**Luminance (Max.)**
- 250cd/m² (center)

**Contrast Ratio**
- 1000:1

**Display Area**
- 518(H) x 324(V) mm
The LVM-328W is a 32-inch 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**
- 32" 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

**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/640x480/720x400/800x600/1024x768/1280x768/1024/1600x1200/1920x1080

**DVI-A/Analog**
- 640x480/720x400/800x600/1024x768/1280x768/1024/1600x1200/1920x1080

**DVI-D (PC mode)**
- 800x600/1024x768/1280x768/1440x900/1680x1050/1920x1200

**DVI-D (HDMI mode)**
- 1080p (24/25/30/50/60)/1080i (50/60)/720p (50/60)/480i (60)/480p (60)/576i (50)/576p (50)

**Input Signal Formats**
- SMPTE-425M-A/B
- SMPTE-372M (Dual Link)
- SMPTE-274M
- SMPTE-296M
- SMPTE-260M
- SMPTE-125M
- ITU-R BT.656
- 2K Format
- Audio IN
- Audio OUT
- Power
- Power Consumption (Approx.)
- Operating Temperature
- Storage Temperature
- Accessory

**Input**
- 1 x DVI-I
- 1 x HDMI
- 3 x BNC
- 2 x BNC

**Output**
- 3 x BNC
- 2 x BNC

**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/640x480/720x400/800x600/1024x768/1280x768/1024/1600x1200/1920x1080

**DVI-A/Analog**
- 640x480/720x400/800x600/1024x768/1280x768/1024/1600x1200/1920x1080

**DVI-D (PC mode)**
- 800x600/1024x768/1280x768/1440x900/1680x1050/1920x1200

**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)

**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” 1920x1080 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” 1920x1080 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**  
The New Standard of Multi-Format System

**Product Highlights**
- 54.6” 1920x1080 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
### Studio Wall Monitors

**SWM-171A/240A/320A**

**17", 24", 32" 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/Mattes, Timecode, Audio Level Meters, various CCs and UMDs.

### Product Highlights

- 16.5" 1920 x 1080 (16:9) Resolution
- 24" 1920 x 1200 (16:10) Resolution
- 32" 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

### Input

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<th>SWM-171A</th>
<th>SWM-240A</th>
<th>SWM-320A</th>
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</table>

### Input Signal

- **1 x DVI-I** DVI Input
- **1 x HDMI** HDMI Input
- **2 x BNC** SDI A/B Channel Input
- **1 x SFP Module** Optical Input/Optical Output

### Output

- **2 x BNC** SDI A/B Channel (Active Through Out)

### SDI Input Signal Formats

- **SMpte-425M A/B**
  - 1080p (60/59.94/50)
  - 1080p (60/59.94/50/30/29.97/25/24/23.98/30f/29.97f/25f/24f/23.98f)

- **SMpte-372M (Dual Link)**
  - Dual HD-SDI YCbCr (4:2:2)
  - Dual HD-SDI YCbCr/RGB (4:4:4)
  - 1080p (60/59.94/50)
  - 1080p (60/59.94/50/29.97/25/24f/23.98f/23.98f)

- **SMpte-274M**
  - 1080i (60 / 59.94 / 50)
  - 1080p (30/29.97/25/24f/23.98f/23.98f)

- **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**
  - 4096 x 2160p (24/23.98/24sF/23.98sF)
  - 4096 x 2160 (24/23.98/24sF/23.98sF)

### Power

- AC 100~240V (50~60Hz)
- Power Consumption (Approx.) SWM-171A: 60 Watts (Max.), SWM-240A: 73 Watts (Max.), SWM-320A: 192 Watts (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
**Studio Wall Monitors**

**SWM-420A/460A/550A**

**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/Mattes, Timecode, Audio Level Meters, various CCs and UMDs.

### Product Highlights
- **42" 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**
- **UMD**
- **OP42**
- **OP47**
- **Network Control by Observer (Free PC Software)**
- **Auto Calibration**

### Input
- 1 x DVI-I
- 1xHDMI
- 2x8NC
- 1xSFP Module

### Output
- 2x8NC

### 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)**: 640/840/720/400/800/600/1024x768/1280x1024/1366x768/1600x1200/1920x1200
- **DVI-D (HDMI mode)**: 1080p/24/25/30/50/60/1080i/50/60/720p (50/60)/480p/60/480p60/576(50)/57p(50)
- **OPTICAL**: 2.970Gbps / 1.485Gbps / 270Mbps

### SDI Input Signal Formats
- **SMPTE-425M-A/B**:
  - 1080i (60/59.94/50) / 1080p (24/24sF/23.98/23.98sF)
- **SMPTE-372M (Dual Link)**:
  - Dual HD-SDI
  - YCbCr (4:2:2)
- **SMPTE-274M**: 1080i (60/59.94/50) / 1080p (30/29.97/25/24sF/23.98/23.98sF)
- **SMPTE-296M**: 720p (60/59.94/50)
- **SMPTE-260M**: 1035i (60/59.94)
- **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-420A/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
**Precision Monitors**

**XVM-177A**

17” 10-bit Color Critical Monitor

The XVM-177A is a new 1920 x 1080 addition to XVM series. 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
- TVLogic Color Calibration Utility
- True 24p(48Hz) driving for Digital Cinema
- Audio Level Meter Display
- Waveform/Vectorscope
- Blue Only
- Key lock
- Mono
- Time Code Display
- X3 Zoom(PBP)

**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**

- **Case**
- **Rock Mount**

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**Input**

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<tr>
<th>Type</th>
<th>Description</th>
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<tr>
<td>1 x DVI-I</td>
<td>DVI Input</td>
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<tr>
<td>3 x BNC</td>
<td>Analog Input</td>
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<tr>
<td>2 x BNC</td>
<td>SDI A/B Channel Input</td>
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<tr>
<td>1 x HDMI</td>
<td>HDMI Input</td>
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<td>1 x BNC</td>
<td>External Sync. Input</td>
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**Output**

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<td>Analog (Loop Through) Out</td>
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<tr>
<td>2 x BNC</td>
<td>SDI A/B Channel Output (Loop Through Out)</td>
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<td>External Sync. Output</td>
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**Input Signal**

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<th>Type</th>
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<tr>
<td>Analog</td>
<td>Composite / S-Video / Component</td>
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<tr>
<td>3G-SDI</td>
<td>2.970Gb/s</td>
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<tr>
<td>HD-SDI</td>
<td>1.485Gb/s</td>
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<td>SD-SDI</td>
<td>270Mb/s</td>
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<td>DVI</td>
<td>VESA / IBM Modes</td>
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<tr>
<td>HDMI</td>
<td>480i/480p/720p/1080i / 1080p &amp; VESA/IBM Modes</td>
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</tbody>
</table>

**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)**
  - YCbCr(4:2:2)
  - 1080p (60/59.94/50)
- **SMPTE-274M**
  - 1080i (59.94) / 50
  - 1080p (30/29.97/25/24/23.98/23.98sF)
- **SMPTE-296M**
  - 720p (60/59.94/50)
- **SMPTE-260M**
  - 1035i (60/59.94)
- **SMPTE-125M**
  - 480i (59.94)
- **ITU-R BT.656**
  - 576i (50)

**Audio IN**

- Analog Stereo

**Audio OUT**

- Analog Stereo (Phone Jack)

**Power**

- DC 12V / AC 100~240V (50~60Hz)
- Power Consumption (Approx.): 72 Watts (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

---

**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/m² (center)

**Contrast Ratio**

- 1400:1

**Display Area**

- 366(H) x 206(V) mm
Precision Monitors

XVM-245W-N

24” 10-bit Color Critical LCD Monitor
The XVM-245W-N utilizes a High-Purity RGB Matrix LED backlight array to reproduce the most accurate color possible on an LCD.

The XVM-245W-N features an integrated 3D LUT and supports import and export of popular color grading application LUT formats.

Additionally, support for TVLogic and SpectraCal calibration software is included.

Product Highlights
- 24” 1920x1200 Native HD Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Audio Level Meter Display
- 3D LUT & Adjustable Gamma
- 3rd party 3D LUT import and export
- TVLogic Color Calibration Utility
- Uniformity correction
- CC-608 LINE 21/ANC, CC-708, CC-KOR
- Blue Only, H/V Delay, Key lock, Marker
- Mono, Range Error, UMD, User Aspect
- Time Code Display
- Waveform/Vectorscope
- OP42, OP47
- Various Scan modes
- X3 Zoom(PBP)
- 3G-SDI Level A/B

Main body Dimensions
- Main Body: 552.5 x 389 x 95 (mm) / 21.75 x 15.31 x 3.74 (inch)
- With stand: 584 x 414 x 150 (mm) / 23 x 16.3 x 5.9 (inch)
- Weight: 11.05kg / 24.36lbs

Optional Accessories

Input
- 1 x DVI-I
- 2 x BNC
- 1 x HDMI
- 1 x BNC

Output
- 3 x BNC
- 2 x BNC
- 1 x BNC

Input Signal
- Analog: CVBS / S-Video / Component Video
- 3G-SDI: 2.970Gb/s
- HD-SDI: 1.485Gb/s
- SD-SDI: 270Mb/s
- DVI: VESA / IBM Modes

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(Y/Chroma)
- Component Video: 1.0Vp-p (Y With Sync), +350mV (Pb,Pr)

SDI Input Signal Formats
- SMPTE-425M-A/B
- SMPTE-372M
- SMPTE-274M
- SMPTE-296M
- SMPTE-260M
- SMPTE-125M
- ITU-R BT.656

Audio IN
- Embedded Audio / Analog stereo (Phone Jack)

Audio OUT
- Internal Speaker (Stereo) / Analog stereo (Phone Jack)

Power
- DC 24V / AC 100~240V
- Power Consumption (Approx.) 77Watts (Typ.)

Operating Temperature
- 0°C to 40°C (32°F to 104°F)

Storage Temperature
- -20°C to 60°C (-4°F to 140°F)

Accessory
- AC Power Cord / Stand
AM-OLED High Performance Monitors
LEM-250A

24.5” 10-bit Reference OLED Monitor
TVLogic introduced the world’s first AMOLED broadcast monitor, the LEM-150, in 2010. The 15inch HD production OLED monitor demonstrated the leap forward that the new display technology would enable for motion picture monitoring.

TVLogic’s 2nd Gen AM-OLED monitor, the LEM-250A is a 24.5” native 1920 x 1080 resolution monitor utilizing the best OLED display available and equipped with all the features of TVLogic’s XVM series reference monitors.

Combining TVLogic’s most advanced video processing and color calibration technology, the LEM-250A is our pinnacle achievement in professional monitoring.

Product Highlights
• 24.5” 1920x1080 Native HD Resolution
• State-of-the-art AM-OLED Technology
• 1:1 Pixel Mapping Modes for SD/HD/FHD
• 3rd party 3D LUT import and export
• TVLogic Color Calibration Utility
• 3D LUT & Adjustable Gamma
• Audio Level Meter Display
• Blue Only
• H/V Delay
• Marker
• Range Error
• Time Code Display
• Various Scan modes
• Waveform/Vectorscope
• CC-608 ANC, CC-608 LINE 21, CC-708, CC-KOR

Main body Dimensions
- Main Body: 578 x 392 x 98.6 (mm) / 22.76 x 15.43 x 3.88 (inch)
- With stand: 611.6 x 419.8 x 150 (mm) / 24.1 x 16.5 x 5.9 (inch)
- Weight: 12kg / 26.45lbs

Optional Accessories
- Case
- V-Mount
- G-Mount
- Acrylic Protector
- Back Mount

Input
1 x DVI-I
3 x BNC
2 x BNC
1 x HDMI
1 x BNC

Output
3 x BNC
2 x BNC
1 x BNC

Input Signal
Analog (Composite) CVBS / S-Video / Component
3G-SDI 2.970Gb/s
HD-SDI 1.485Gb/s
SD-SDI 270Mb/s
DVI 640x480/720v400/800x600/1024x768/1280x768/1280x1024/1366x768

SDI Input Signal Formats
- SMPTE-425M-A/B
- SMPTE-327M (Dual Link)
- SMPTE-274M
- SMPTE-296M
- SMPTE-260M
- SMPTE-125M
- ITU-R BT.656
- 2K Format

Audio IN
Embedded Audio / Analog stereo (Phone Jack)

Audio OUT
Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)

Power
DC 12/24V / AC 100~240V

Power Consumption
83 Watts (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
17” 1920x1080 with up to 12G 4K input
The new LUM-171G monitor supports 3G/6G/12G-SDI input - 2×3G-SDI & 2×12G-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/m²
- High Contrast Ratio of 1400:1
- Wide Viewing Angle
- 4K / UHD Interface
  - 2×12G-SDI & 2×3G-SDI in
  - 4×SDI out (Loop Through Out)
  - 1×HDMI in (HDMI 2.0)
- TVLogic Color Calibration Utility
- 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

**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**
- ND Filter
- Tack Mount
- Hood
- Carrying Case
- G-Mount

**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/m²

**Contrast Ratio**
- 1400:1

**Display Area**
- 366(H)x206(V)mm
The LUM-240G is a 24" 4K(3840×2160) monitor with 12G-SDI interface - 2×3G-SDI & 2×12G-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
- **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**
  - 2×12G-SDI & 2×3G-SDI in
  - 4×SDI out (Loop Through Out)
  - 1×HDMI in (HDMI 2.0)
- **TVlogic Color Calibration Utility**
- **1:1 Pixel Mapping Modes for SD/HD/FHD**
- **Matte Finish Panel**
- **Time Code Display**
- **Audio Level Meter**
- **Blue Only**
- **Marker**
- **Focus Assist**
- **3D LUT**
- **H/V Delay**
- **Mono**

### 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

### Technical Specifications
- **Size**: 23.8"
- **Resolution**: 3840 x 2160 (16:9)
- **Pixel Pitch**: 0.137mm
- **Color Depth**: 1.078 (10bit)
- **Viewing Angle (Typ.)**: 178°(H)/178°(V)
- **Luminance (Max.)**: 350cd/m²
- **Contrast Ratio**: 1000:1
- **Display Area**: 527(H)X296(V)mm

### Optional Accessories
- AC Power Cord / Stand
31” DCI-P3 4K Reference Monitor
UHD/4K monitor with a 31” native 4K (4096x2160) resolution, true 10-bit driver and DCI-P3 color gamut support. Accepts quad 3G-SDI and HDMI 1.4 inputs.

**Product Highlights**
- 31” 4096 x 2160 Resolution
- Matte Finish Panel
- True 4K Resolution
- True DCI color gamut
- True 24p(48Hz) driving for Digital Cinema
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Blue Only
- H/V Delay
- Marker
- Mono
- TVLogic Color Calibration Utility
- Single Mode (HD & FHD upscale to 3840x2160)

**Input Signal**
- **HD-SDI**
  - Quad link (4K)
  - 3840x2160 (23.98/24/25/29.97/30p/Psf)
  - YCbCr 4:2:2 10bit
- **3G-SDI**
  - Quad-Link (4K)
  - 3840x2160, 4096x2160 (23.98/24/25/29.97/30p/Psf, 3840x2160/4096x2160)
  - YCbCr 4:2:2 10bit, 4:4:4 10/12bit, 3G-SDI

**Audio Out**
- Analog stereo (Phone Jack)

**Power**
- DC 24V / AC 100~240V (50~60Hz)

**Power Consumption**
- (Approx.) 199 Watts (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)

**Accessories**
- AC Power Cord / Stand

**Main body Dimensions**
- **Main Body**: 759.8 x 448.5 x 146.3 (mm) / 29.91 x 17.66 x 5.76 (inch)
- **With stand**: 759.8 x 501.5 x 255 (mm) / 29.91 x 19.74 x 10 (inch)
- **Weight**: 24.8kg / 54.67lbs

**Optional Accessories**

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*NOTE*: Please refer to the user manual for the supporting video formats.
**55” UHD 12G-SDI Monitor**

UHD/4K monitor with a 55” native 4K (3840x2160) resolution, true 10-bit driver and DCI-P3 color gamut support. Accepts 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)
- - 1x 12G-SDI out
- **1:1 Pixel Mapping**
- **Marker**
- **IR Remote Control**
- **3G-SDI Level A/B**
- **Network Control by Observer (Free PC Software)**
- **TVLogic Color Calibration Utility**
- **Auto Calibration**
- **Firmware Upgrade via USB flash drives**

### 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 786.5 x 309.4 (mm) / 48.73 x 30.96 x 12.18 (inch)
- **Weight**: 22.2kg / 48.94lbs

### Optional Accessories

#### Input
- **4 x BNC**
  - 12G/3G/HD/SDI Input 2Ch
- **1 x HDMI**
  - HDMI Input (HDMI 2.0)

#### Output
- **1 x BNC**
  - 12G SDI Output 1Ch
  - 3840x2160 60p/59.94p/50p (All Input Format Converted to 12G-SDI) 3G-SDI Through out

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

#### SDI Input Signal Formats
- **SMPTE ST2082-10 Mode1**
  - 3840x2160 60p/59.94p/50p (12G-SDI x 1Ch)
- **SMPTE ST2081-10 Mode1**
  - 3840x2160 30p/29.97p/25p/24p*/23.98p* (6G-SDI x 1Ch)
- **SMPTE ST425-5**
  - 3840x2160 60p/59.94p/50p (3G-SDI x 4Ch)
- **SMPTE ST274**
  - 3840x2160 30p/29.97p/25p/24p*/23.98p* (HDMI x 4Ch)**
- **SMPTE ST425**
  - 1920x1080 60p/59.94p/50p (3G-SDI LEVEL A)
  - 1920x1080 60p/59.94p/50p/30p/29.97p/25p/24p*/23.98p* (3G-SDI LEVEL B)
- **SMPTE ST274**
  - 1920x1080 60p/59.94p/50p/30p/29.97p/25p/24p*/23.98p*
- **SMPTE ST296**
  - 1280x720 60p/59.94p/50p
- **SMPTE ST259**
  - 720x487 59.94p
  - 720x576 50p

* 23.98p/23.97p : 60p/59.94p Frame-rate Converted Display

** Not support 2 Sample Interleaved Input

**HDMI Input Signal Formats**
- **HDMI V2.0**
  - 1080p (60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
- **HDMI V1.4**
  - 1080p (30/29.97/25/24/23.98/23.98sF)
- **HDMI V1.2**
  - 720p (60/59.94/50)

**Audio Input**
- SDI Embedded Audio (Group, Ch Selectable)

**Audio Output**
- External Output Port (3.5m Phone Jack)

**Power**
- 100~240V, 50/60Hz
- **Power Consumption (Approx.)**
  - TBD

**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 Cable
### Optional Accessories

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<th>Optional Accessories</th>
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<th>Acrylic ND Filter</th>
<th>Rack Mount Kit (Dual, Single)</th>
<th>Camera Mount Ball Head</th>
<th>V-Mount / Gold Mount</th>
<th>Battery Bracket / D-Tap Cable</th>
<th>External Tally</th>
<th>Sun-Hood</th>
<th>Carrying Case</th>
<th>HDMI Bracket</th>
<th>SFP Module</th>
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* S=Single, D=Dual/D-Tap Cable, V=V-Mount, G=Gold Mount