

# 2019 Line-Up for Broadcast Display

Multi-Format Broadcast and Professional Monitors



**F-7H mk2**  
The Brightest 7-inch Field Monitor

**TVLogic**<sup>®</sup> Always ON-AIR



# TVLogic Product Line-up 2019

	F-Series	RKM	LVM	SWM	LUM
3"~		535A 443A			
5"~	VFM-055A F-5A <i>New</i>	356A			
7"~	F-7H F-7H mk2 <i>New</i>	270A	075A		
9"~		290A	095W-N		
17"~			170A 171A 171S	171A	171G
20"~			212W		
23"~			232W-A 241S 246W		240G
30"~			328W		313G 318G 310R 310X <i>New</i>
40"~			420A 460A 550A	420A 460A 550A	430M 550M

## Field Monitor

VFM-055A (OLED)	..... 10
F-5A <i>New</i>	..... 11
F-7H	..... 12
F-7H mk2 <i>New</i>	..... 13
LVM-075A	..... 14
LVM-095W-N	..... 15

## Multi Format Monitor

LVM-170A	..... 18
LVM-171A	..... 19
LVM-171S	..... 20
LVM-212W	..... 21
LVM-232W-A	..... 22
LVM-241S	..... 23
LVM-246W	..... 24
LVM-328W	..... 25
LVM-420A / 460A / 550A	..... 26

## Rack Mountable

RKM-535A	..... 30
RKM-443A/356A	..... 31
RKM-270A/290A	..... 32

## Wall Monitor

SWM-171A/420A/460A/550A	..... 36
-------------------------	----------

## 12G / 4K Monitor

LUM-171G	..... 40
LUM-240G	..... 41
LUM-313G	..... 42
LUM-318G	..... 43
LUM-310R	..... 44
LUM-310X <i>New</i>	..... 45
LUM-430M	..... 46
LUM-550M	..... 47

## Appendix

Optional Accessories	..... 48
Service Center	..... 49
Global Sales Network	..... 50

\* All monitor specifications may be changed without notice.

# Solutions for All Creation

## 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.

## Leading the 4K/UHD HDR era

TVLogic has introduced world's first 4K monitors with 12G-SDI interface in 2015, and now offers broader range of 4K / UHD monitor line up from 17" to 55".

LUM Series monitors are all equipped with 12G-SDI input & output and HDMI 2.0 inputs.

Based on the latest color processing technology, TVLogic LUM monitors provide simple and easy access to standard setups - HD, UHD, DCI and new HDR standard (BT.2100) PQ & HLG.

## Quality Service, Always!

TVLogic has been one of the best trusty friend for customers not only with quality products, but also with quality service. Now we provide even faster and better service through TVLogic Qualified Service Centers (TQSC) all around the world.







### Full Line-up for Professionals

TVLogic provides full range of monitors from 5.5" field production monitor up to 55" UHD OLED monitor. Popular VFM-Series monitors for camera crews are now evolving into new F-Series with robust & user-friendly design, improved picture quality, best-in-class high luminance, and new features for HDR production.

LVM Series are reinforced with new 17" and 24" with upgraded video processing power, faster & easier control via new central processor, and HDR features based on TVLogic's unique processing technology. LUM Series are designed for the 4K/UHD production and post production with best-in-class picture quality, 12G-SDI & HDMI 2.0 interface, supporting various standard video formats, and HDR features.

### Color Management for SDR/HDR production

TVLogic recently acquired color management business based on Fuji Film's unique technology and now introduce its first collaboration of IS-mini4K, a world's first 4K LUT box with 12G-SDI and HDMI 2.0 interface. The most powerful LUT creating software - WonderLook Pro is provided for free to all IS-mini, IS-miniX and IS-mini4K users. Real-time LUT control will bring new possibility to all SDR & HDR creators.

# *Line-up for Broadcast Display*



## *Field Series*

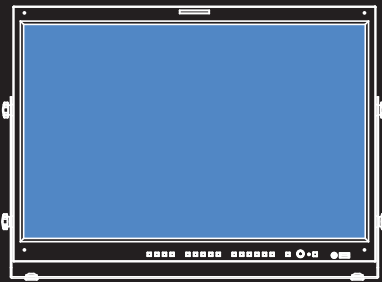
New F-Series monitors are replacing its popular VFM Series with advanced features, upgraded design, better picture quality and more reasonable price.

Added to F-7H - the brightest monitor with 3600nit, TVLogic introduce new 5.5" FHD monitor - F-5A with sharp picture and robust hardware.



## *RKM Series*

Five rack-mountable monitors with 5 screens (535A), 4 screen (443A), 3 screens (356A), 2 screens (270A, 290A). All models offer 3G-SDI capability and professional features such as Audio Level Meter, Timecode Display, Blue Only, H/V Delay, Marker, User Aspect and Waveform & Vectorscope.



## *LVM* Series

LVM Series offer wide selection of size - the 7", 9", 17", 18.5", 21", 23", 24" 32", 42", 46" and 55" models support native Full HD resolution of 1920x1080 or WUXGA of 1920x1200 pixels. All models have 3G-SDI & HDMI interface. And all models support professional features such as Markers, Aspect Ratio, Audio Level Meter, Blue Only, Timecode, Waveform & Vectorscope, and automatic calibration with free TVLogic software.



## *LUM* Series

The LUM Series offer 7 models - 17", 24", 31" (3 models), 43" and 55" with 4K/UHD resolution LCDs, 12G-SDI & HDMI 2.0 interface. All models support Single 12G/6G/3G-SDI, Quad 3G-SDI and Quad 2-Si (2-Sample Interleave division) and HDR as well as various video standards of HD, UHD and DCI.



## *SWM* Series

SWM Series were designed to provide the best efficiency to broadcast professionals. Along with the traditional interface of SDI, HDMI and DVI, the optical fiber was added to support long range transmission of video & audio signals. SWM also support all the features of TVLogic's multi-monitor remote controller - the observer software.

# Any Size. Any Source. Any Place.

# NextoDI, Portable Backup Storage for Professionals



## NPS-10 *New*

- The true partner for photo & video shooters
- The lightest & smallest but fastest & safest
- 2×SD, 1×MicroSD + XQD (or CF or CFast)
- Embedded battery for 2TB back up on SSD
- 2.5" 2TB SSD or HDD (not included)



## NCB-20

Simultaneous Backup for Multiple cards

## NVS-2801-Plus

All-in-One Backup Solution for field production

## NSB-25

4K Modular Backup System



# IS-mini 4K, 4K video color processors for SDR & HDR production

## IS-mini 4K *New*

- 12G-SDI In & 12G-SDI bypass Out
- 12G-SDI Out (color conversion)
- HDMI 2.0 Out (color conversion)
- 26×26×26 3D LUT
- Triangular Pyramid Interpolation
- Free License for WonderLook Pro
- Support 3rd Party software

## WonderLook Pro

- Real-time LUT creation software
- Various Color Format Conversion
- Color Profile Database for Cameras
- Various Rendering & User Color Correction
- Camera Control & Monitor Calibration
- Multiple IS-mini Control
- Free License for IS-mini Users



	VFM-055A	F-5A	F-7H	F-7H mk2	LVM-075A	LVM-095W-N
<b>Size / Resolution</b>	5.5" / 1920x1080	5.5" / 1920x1080	7" / 1920x1080	7" / 1920x1080	7" / 1920x1080	9" / 1920x1080
<b>Max Brightness</b>	350 nits	500 nits	3,600 nits	3,600 nits	600 nits	400 nits
<b>Fast Mode</b>	●	●	●	●	×	×
<b>Camera LUT</b>	●	●	●	●	●	●
<b>HDR Emulation</b>	●	●	●	●	×	×
<b>3G-SDI Level A/B</b>	●	●	●	●	●	●
<b>Audio Level Meter Display</b>	●	●	●	●	●	●
<b>Blue Only</b>	●	●	●	●	●	●
<b>Focus Assist</b>	●	●	●	●	●	●
<b>H/V Delay</b>	●	●	●	●	●	●
<b>Key lock</b>	●	●	●	●	●	●
<b>Luma(Y') Zone Check</b>	●	●	●	●	●	●
<b>Marker</b>	●	●	●	●	●	●
<b>Mono</b>	●	●	●	●	●	●
<b>Range Error</b>	●	●	●	●	●	●
<b>Time Code Display</b>	●	●	●	●	●	●
<b>UMD</b>	●	●	●	●	●	●
<b>User Aspect</b>	●	●	●	●	●	●
<b>Various Scan modes</b>	●	●	●	●	●	●
<b>Waveform / Vectorscope</b>	●	●	●	●	●	●
<b>Zoom</b>	●	●	●	●	●	●
<b>PBP</b>	×	×	×	×	×	×
<b>CC-608 ANC</b>	×	×	×	×	●	●
<b>CC-608 LINE 21</b>	×	×	×	×	●	●
<b>CC-708</b>	×	×	×	×	●	●
<b>CC-KOR</b>	×	×	×	×	●	●
<b>OP42</b>	×	×	×	×	×	×
<b>OP47</b>	×	×	×	×	×	×
<b>Various Quad Display Modes</b>	×	×	×	×	×	×
<b>3D LUT</b>	●	●	●	●	×	×
<b>Color Gamut</b>	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709	Rec709
<b>Adjustable Gamma</b>	●	●	●	●	Adjustable 2.2/2.4	Adjustable 2.2/2.4
<b>3rd Party LUT import</b>	●	●	●	●	×	×
<b>Uniformity Correction</b>	×	×	×	×	×	×
<b>H/V Flip</b>	●	●	●	●	●	●
<b>Auto Flip</b>	×	●	×	●	×	×
<b>ARRI Metadata</b>	●	●	●	●	×	×
<b>Split Zoom</b>	●	●	●	●	×	×
<b>Preset</b>	×	×	×	●	×	×
<b>Eco Mode</b>	×	●	●	●	●	●
<b>Sharpness + Peaking Boost</b>	●	●	●	●	×	×
<b>Cross Conversion</b>	●	●	●	●	HDMI to SDI	HDMI to SDI
<b>Grid</b>	●	●	●	●	×	×



# Field Monitor

VFM-055A (OLED)

F-5A

F-7H

F-7H mk2

LVM-075A

LVM-095W-N

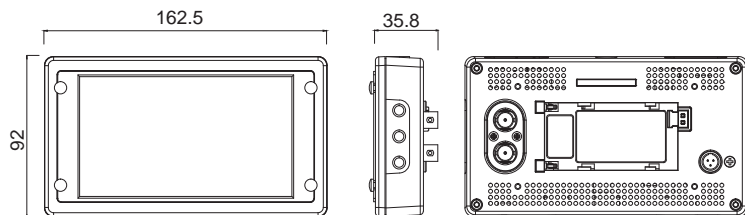
# VFM-055A 5.5" Full HD OLED Viewfinder Monitor



## 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



## Product Highlights

- 5.5" Full HD Resolution (1920x1080)
- State-of-the-art AM-OLED Technology
- Contrast Ratio of 17,000:1
- Excellent Sharpness
- Peaking Boost
- Camera LUTs support
- HDMI ↔ SDI cross conversion
- Built-in battery bracket (Sony L-series)
- Luma(Y) Zone Check
- Zoom
- Waveform / Vectorscope
- H/V Flip
- HDR emulation
- Split Zoom
- Arri Metadata
- Focus Assist
- Custom 3D LUT import
- Anamorphic Desqueeze

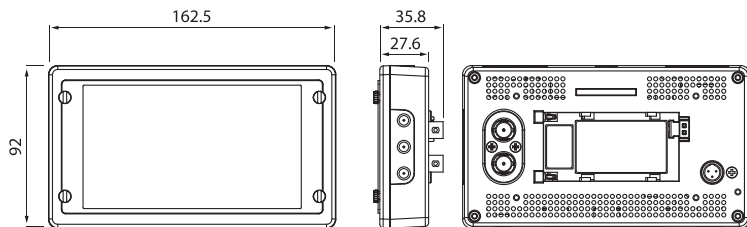
<b>Size</b>	5.5"
<b>Resolution</b>	1920 x 1080 (16 : 9)
<b>Pixel Pitch</b>	0.063mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle (Typ.)</b>	160°(H) / 160°(V)
<b>Luminance (Max.)</b>	350cd/m <sup>2</sup> (Typ.)
<b>Contrast Ratio</b>	17000:1
<b>Display Area</b>	121(H) × 68(V) mm
<b>Input</b>	
1 x BNC	SDI Input
1 x HDMI	HDMI(1.2) 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)/640x480/720x400/800x600/1280x1024
<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)
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>	10Watts (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

# F-5A *New* 5.5" Fully-featured Field Monitor with FHD IPS-LCD



## Main body Dimensions

Main Body 162.5 x 92 x 27.6 (mm) / 6.39 x 3.6 x 1.11 (inch)  
 Weight 0.42kg / 0.92 lbs



## Optional Accessories



## Product Highlights

- 5.5" Full HD Resolution (1920x1080)
- Anti reflection
- Excellent Sharpness
- Peaking Boost
- Camera LUTs support
- HDMI ↔ SDI cross conversion
- Built-in battery bracket (Sony L-series)
- Luma(Y') Zone Check
- Zoom
- Waveform / Vectorscope
- H/V Flip
- Auto Flip
- HDR emulation
- Split Zoom
- Arri Metadata
- Focus Assist
- Custom 3D LUT import
- Anamorphic Desqueeze

<b>Size</b>	5.5"
<b>Resolution</b>	1920 x 1080 (16 : 9)
<b>Pixel Pitch</b>	0.0213(W)×0.0639(H)mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle (Typ.)</b>	160°(H) / 160°(V)
<b>Luminance (Max.)</b>	500cd/m <sup>2</sup>
<b>Contrast Ratio</b>	1000:1
<b>Display Area</b>	122.7(H)×69.0(V) mm
<b>Input</b>	
1 x BNC	SDI Input
1 x HDMI	HDMI(1.2) 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)/
<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)
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-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 12V 0.65A / 34V 0.27A
<b>Power Consumption (Approx.)</b>	10Watts
<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 Support/ BNC Connector

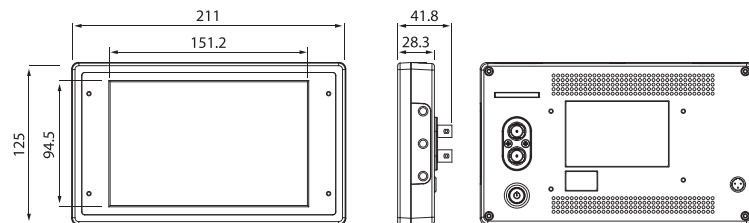
# F-7H

The brightest 7" field monitor with HDR Emulation



## Main body Dimensions

**Main Body** 211 x 125 x 28.3 (mm) / 8.3 x 4.95 x 1.11 (inch)  
**Weight** 0.76kg / 1.68lbs



## Optional Accessories



## Product Highlights

- 7" Full HD Resolution (1920 x 1080)
- Luminance up to 3,600cd/m<sup>2</sup>
- Excellent Sharpness
- Peaking Boost
- Waveform/ Vectorscope
- H/V Flip
- HDR Emulation (PQ, HLG, S Log 3)
- Split Zoom
- Arri Metadata
- Focus Assist
- Custom 3D LUT Import
- Anamorphic Desqueeze
- Camera LUTs support
- HDMI ↔ SDI cross conversion
- Luma(Y') Zone Check
- Zoom

<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>	22 Watts (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 / BNC Connector

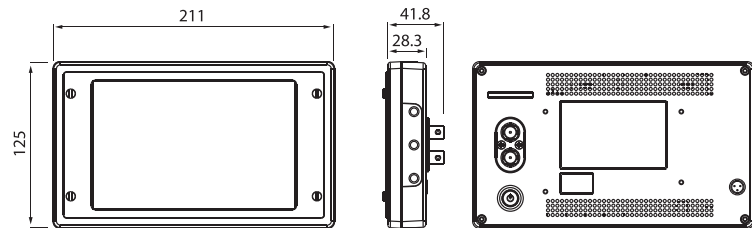
# F-7H mk2 *New* The brightest 7" field monitor with Preset Touch Key



## Main body Dimensions

**Main Body** 211 x 125 x 28.3 (mm) / 8.3 x 4.95 x 1.11 (inch)

**Weight** 0.8kg / 1.76 lbs



## Product Highlights

- 7" Full HD Resolution (1920 x 1080)
- Luminance up to 3,600cd/m<sup>2</sup>
- Preset Touch Key pad
- Excellent Sharpness
- Peaking Boost
- Anti reflection
- Waveform/ Vectorscope
- H/V Flip
- Auto Flip
- HDR Emulation (PQ, HLG, S Log 3)
- Split Zoom
- Arri Metadata
- Focus Assist
- Custom 3D LUT Import
- Anamorphic Desqueeze
- Camera LUTs support
- HDMI ↔ SDI cross conversion
- Luma(Y') Zone Check
- Zoom

## Optional Accessories



<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

Input	
1 x BNC	SDI Input
1 x HDMI	HDMI Input

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

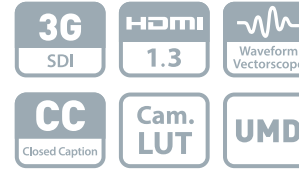
Input Signal	
<b>3G-SDI</b>	2.970Gb/s
<b>HD-SDI</b>	1.485Gb/s
<b>SD-SDI</b>	270Mb/s
<b>HDMI</b>	1080p(60/59.94/50/30/25/24/23.98) / 1080i(60/59.94/50) / 720p(60/50) / 480i(60)/480p(60) / 576i(50)/576p(50)

SDI Input Signal Formats	
<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)

Additional features	
<b>Audio In</b>	Embedded Audio
<b>Audio Out</b>	Analog Stereo (Phone Jack)
<b>Power</b>	DC 12V 1.8A / 34V 0.6A
<b>Power Consumption (Approx.)</b>	22 Watts (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 / BNC Connector

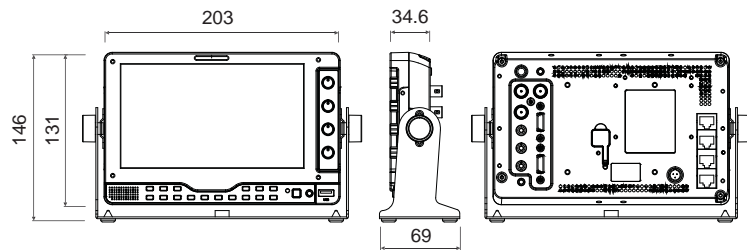


# LVM-075A 7" SD/HD/3G-SDI Multi format Monitor



## 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



## Product Highlights

- 7" 1920 x 1080 Resolution
- HDMI to SDI conversion
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Max Brightness On / Off
- Waveform/Vectorscope
- CC-608 LINE 21/ANC, CC-708
- Focus Assist
- H/V Flip
- Luma(Y) Zone Check
- Zoom
- Camera LUT

## Optional Accessories

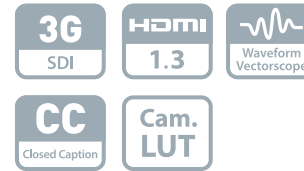


<b>Size</b>	7"
<b>Resolution</b>	1920X1080 (16:9)
<b>Pixel Pitch</b>	0.081mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle (Typ.)</b>	170°(H)/170°(V)
<b>Luminance (Max.)</b>	600cd/m <sup>2</sup>
<b>Contrast Ratio</b>	800:1
<b>Display Area</b>	155(H) X 87(V)mm

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 Specification	
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	
<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) / 1080i (60/59.94/50)
<b>SMPTE-274M</b>	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)
<b>SMPTE-260M</b>	1035i (60/59.94)
<b>SMPTE-125M</b>	480i (59.94)
<b>ITU-R BT.656</b>	576i (50)
<b>Audio IN</b>	Embedded Audio / Analog stereo (Phone Jack)
<b>Audio OUT</b>	Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)
<b>Power</b>	DC 12V
<b>Power Consumption (Approx.)</b>	20Watts (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 / DC Power Adaptor / Camera Mount Support / Stand / Acrylic Protector



# LVM-095W-N 9" FHD Multi-purpose Monitor



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

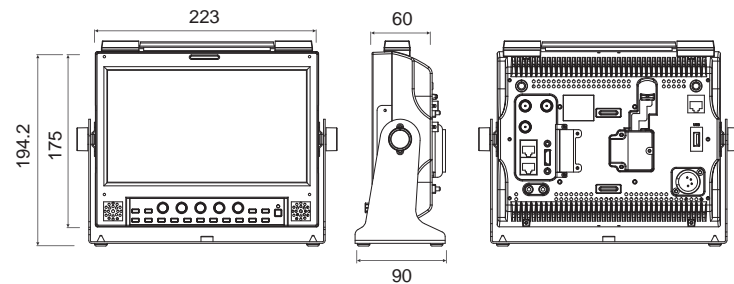
Input Signal	
Analog	CVBS (SDI B port select)
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
HDMI (PC & HDMI mode)	1080p (23.98/24/25/30/50/59.94/60)/1080i(50/59.94/60)/720p(50/60)480i(60)/480p(60)/576i(50)/576p(50)640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768

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

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

## 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



## Product Highlights

- 9" 1920 x 1080 Resolution
- Luma(Y') Zone Check
- Waveform/Vectorscope
- Focus Assist
- H/V Flip
- Zoom
- Camera LUT
- CC-608 LINE 21/ANC, CC-708

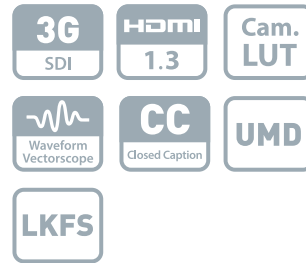
## Optional Accessories



	LVM-170A	LVM-171A	LVM-171S	LVM-212W	LVM-232W-A	LVM-246W	LVM-241S
Size	17.3"	16.5"	16.5"	21.5"	23"	24"	24"
Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1200	1920x1200
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:10	16:10
Color	16.7 M	1.07 B	1.07 B	16.7 M	16.7 M	16.7 M	1.07 B
Viewing Angle	170°(H) / 170°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)
Luminance max.	300 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
Contrast Ratio	800:1	1500:1	1500:1	1000:1	1000:1	1000:1	1500:1
Fast Mode	×	×	×	×	×	×	●
Camera LUT	●	●	●	×	×	×	●
HDR Emulation	×	×	●	×	×	×	●
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	●	●	●	●	●	×	●
PBP	×	×	●	×	×	×	●
CC-608 ANC	●	●	● (will be added)	●	●	●	● (will be added)
CC-608 LINE 21	●	●	● (will be added)	●	●	●	● (will be added)
CC-708	●	●	●	●	●	●	●
CC-KOR	×	×	●	●	●	×	●
OP42	×	×	TBD	●	×	×	TBD
OP47	×	×	TBD	●	×	×	TBD
Various Quad Display Modes	×	×	×	×	×	×	×
3D LUT	×	×	●	×	×	×	●
Color Gamut	Rec709	Rec709	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709	Rec709	Rec709	Rec709, SMPTE-C, EBU, DCI, Rec2020
Adjustable Gamma	Adjustable 2.2/2.4	Adjustable 2.2/2.4	Adjustable 1.0~3.0	Adjustable 2.2/2.4	Adjustable 2.2/2.4	Adjustable 2.2/2.4	Adjustable 1.0~3.0
3rd Party LUT import & export	×	×	●	×	×	×	●
Uniformity Correction	×	×	×	×	×	×	×



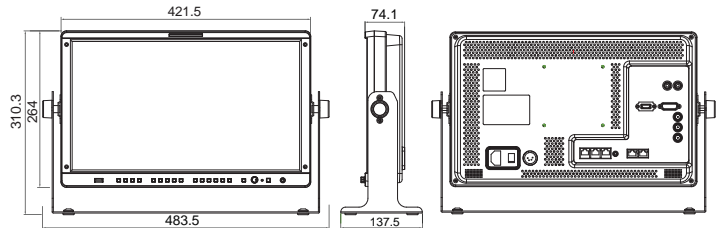
# LVM-170A A multi-purpose 17" Full HD Monitor



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)

## 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



## Product Highlights

- 17.3" 1920x1080 (16:9) Resolution
- Audio Level Meter Display
- Focus Assist
- H/V Delay
- Luma(Y') Zone Check
- Marker
- Time Code Display
- UMD
- User Aspect
- Camera LUT
- Loudness Check
- Various Scan modes
- Waveform/Vectorscope
- CC-608 ANC / CC-608 LINE 21 / CC-708

Analog Input Specification	
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

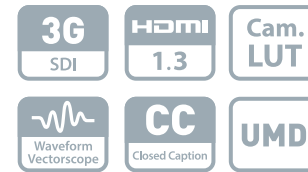
## Optional Accessories



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/m² (center)
Contrast Ratio	800:1
Display Area	381(H) x 214(V) mm

# LVM-171A

A multi-purpose 16.5" 10bit Full HD Monitor



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)

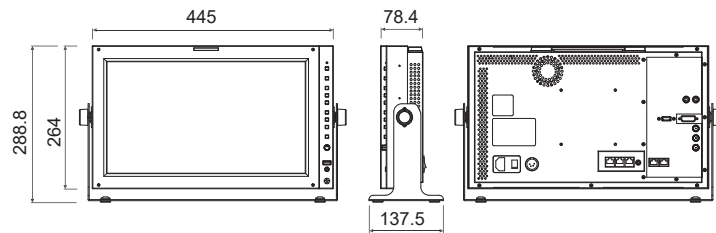
Input Signal	
Analog	CVBS
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
DVI-Analog	640x480/720x400/800x600/1024x768/1280x1024/1366x768
DVI-D (PC & HDMI)	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1080p(23.98/24/25/30/50/60)/1080i(50/59.94/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)
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 Specification	
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 12V / 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

## 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



## Product Highlights

- 16.5" 1920 x 1080 (16:9) Resolution
- Audio Level Meter
- Luma(Y') Zone Check
- Various Scan modes
- Waveform/Vectorscope
- Marker
- CC-608 LINE 21/ANC CC-708
- Focus Assist
- H/V Delay
- Time Code Display
- UMD
- User Aspect
- Camera LUT

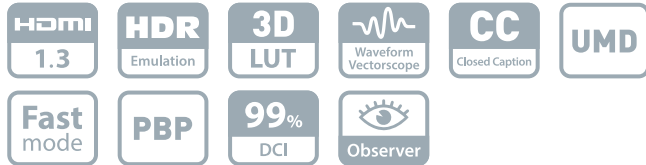
Size	16.5"
Resolution	1920 x 1080 (16 : 9)
Pixel Pitch	0.1905mm
Color Depth	1.07B
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	450cd/m <sup>2</sup> (center)
Contrast Ratio	1500:1
Display Area	366(H) x 206(V) mm

## Optional Accessories



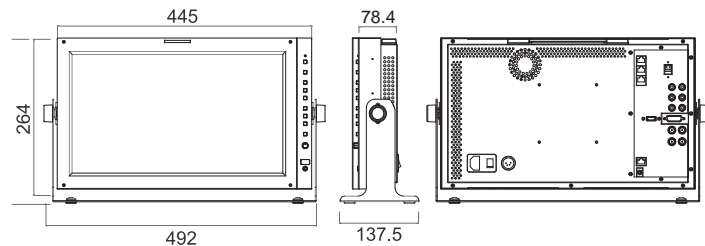


# LVM-171S 17" 10bit Quality Control Monitor



## 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



## Product Highlights

- 16.5" 1920 x 1080 Resolution
- 99% coverage of DCI-P3 color gamut
- 1.07B Colors (10bit)
- Custom 3D LUT import by USB Flash drive
- Closed Caption (OP42/47, CC-608/708, CC-KOR)
- Waveform / Vectorscope (Advanced)
- PBP (Picture by Picture)
- Audio Level Meter
- Observer(Network) control by Ethernet
- H/V Delay
- Fast Mode
- Time Code Display
- UMD
- User Aspect
- HDR Emulation
- Various Scan Modes

<b>Size</b>	16.5"
<b>Resolution</b>	1920 x 1080 (16 : 9)
<b>Pixel Pitch</b>	0.1905mm
<b>Color Depth</b>	1.07B
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	450cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1500:1
<b>Display Area</b>	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	
<b>Analog</b>	CVBS / S-Video / Component
<b>3G-SDI</b>	2.970Gb/s
<b>HD-SDI</b>	1.485Gb/s
<b>SD-SDI</b>	270Mb/s
<b>DVI-Analog</b>	640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1080
<b>DVI-D (PC mode)</b>	640x480/720x400/800x600/1024x768/1280x1024/1600x1200/1920x1080/1920x1200
<b>DVI-D (HDMI mode)</b>	1080p(60/50/30/25/24)/1080i(60/50)/720p(60/50)/480i(60)/480p(60)576i(50)/576p(50)
<b>HDMI</b>	480i/480p/576i/576p/720p/1080i/1080p/640x480/720x400/800x600/1024x768/1280x1024/1600x1200

## Analog Input Specification

<b>CVBS</b>	1.0Vpp (With Sync) NTSC. PAL
<b>Component Video</b>	1.0Vpp (Y With Sync), 0.7Vpp(Pb,Pr)

## SDI Input Signal Formats

<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-372M (Dual Link)</b>	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)
<b>SMPTE-274M</b>	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)
<b>SMPTE-260M</b>	1035i(60/59.94)
<b>SMPTE-125M</b>	480i(59.94)
<b>ITU-R BT.656</b>	576i(50)

<b>2K Format</b>	2048x1080p(24/24sF/23.98/23.98sF)
<b>Audio IN</b>	Embedded Audio / Analog stereo (Phone Jack)
<b>Audio OUT</b>	Internal Speaker(Stereo) / Analog stereo (Phone Jack)
<b>Power</b>	DC 12V / 24V / AC 100~240V(50~60Hz)
<b>Power Consumption</b>	24 Watts
<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 / Stand

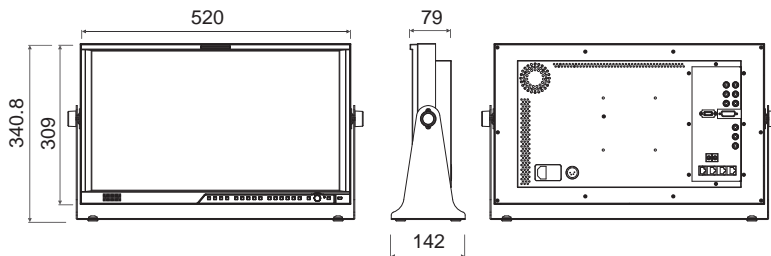


# LVM-212W 21" 1920x1080 Rack-Mountable Monitor



## 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



## Product Highlights

- 21.5" 1920 x 1080 Resolution
- 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
- Time Code Display
- UMD
- User Aspect
- Zoom

<b>Size</b>	21.5"
<b>Resolution</b>	1920 x 1080 (16 : 9)
<b>Pixel Pitch</b>	0.2475mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	250cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1000:1
<b>Display Area</b>	475(H) x 267(V) mm

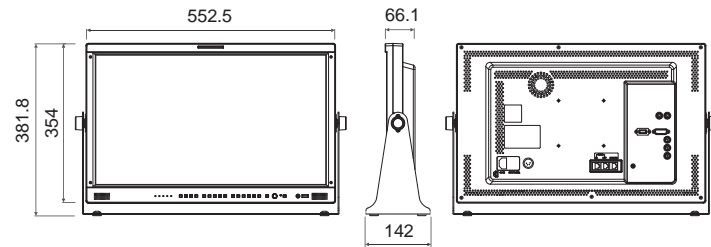
Input	
1 x DVI-I	DVI Input
1 x HDMI	HDMI(1.3Ver) Input
3 x BNC	CVBS Input
2 x BNC	SDI A/B Channel Input
Output	
3 x BNC	Analog (Loop Through Out)
1 x BNC	SDI A/B Selected Channel Output (Loop Through Out)
Input Signal	
<b>Analog</b>	CVBS / S-Video / Component
<b>3G-SDI</b>	2.970Gb/s
<b>HD-SDI</b>	1.485Gb/s
<b>SD-SDI</b>	270Mb/s
<b>HDMI</b>	480i/480p/576i/576p/720p/1080i/1080p (24/25/30/50/60)
<b>DVI-Analog</b>	640x480/720x400/800x600/1024x768/1280x1024/1600x1200
<b>DVI-D (PC mode)</b>	640x480/720x400/800x600/1024x768/1280x1024/1366x768/1600x1200/1920x1200
<b>DVI-D (HDMI mode)</b>	1080p (24/25/30/50/60)/1080i(50/60)/720p (50/60)/480i(60)/480p(60)/576i(50)/576p(50)
Analog Input Specification	
<b>CVBS</b>	1.0Vp-p (With Sync) NTSC. PAL
<b>S-Video</b>	1.0Vp-p (Y With Sync), 0.286/0.300 Vp-p (Chroma)
<b>Component Video</b>	1.0Vp-p (Y With Sync), ±350mV (Pb,Pr)
SDI Input Signal Formats	
<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) / 1080i (60/59.94/50)
<b>SMPTE-274M</b>	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)
<b>SMPTE-260M</b>	1035i (60/59.94)
<b>SMPTE-125M</b>	480i (59.94)
<b>ITU-R BT.656</b>	576i (50)
<b>2K Format</b>	2048 x 1080p (24/24sF/23.98/23.98sF)
<b>Audio IN</b>	Embedded Audio / Analog stereo (Phone Jack)
<b>Audio OUT</b>	Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)
<b>Power</b>	DC 24V (2.5A) / AC 100~240V (50~60Hz)
<b>Power Consumption (Approx.)</b>	60Watts
<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 / Control Knob Cap / Stand

# LVM-232W-A 23" Fully-featured broadcast monitor



## 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



## Product Highlights

- 23" 1920 x 1080 (16:9)
- Audio Level Meter Display
- Focus Assist
- H/V Delay
- Luma(Y') Zone Check
- Time Code Display
- Various Scan modes
- Waveform/Vectorscope
- CC-608 LINE 21/ANC
- CC-708
- UMD
- User Aspect
- Zoom

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

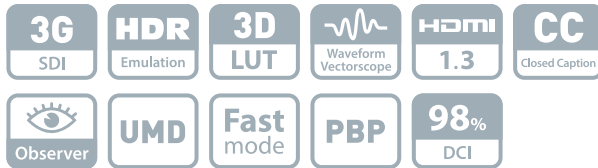
Input Signal	
Analog (Composite)	CVBS
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
SD-SDI	270Mb/s
DVI-Analog	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1920x1080
DVI-D (PC & HDMI)	640x480/720x400/800x600/1024x768/1280x768/1280x1024/1366x768/1920x1080/1080p(24/25/30/50/60)/1080i(50/60)/720p(50/60)/480i(60)/480p(60)/576i(50)/576p(50)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

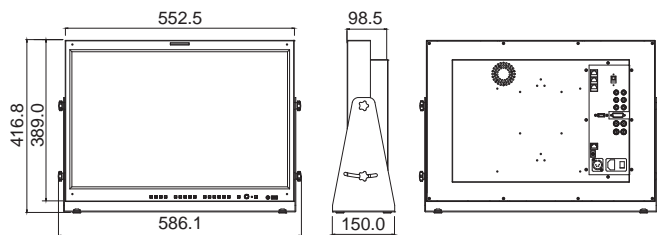
<b>Audio IN</b>	Embedded Audio / Analog stereo (Phone Jack)
<b>Audio OUT</b>	Analog stereo (Phone Jack) / Internal Speaker (Stereo)
<b>Power</b>	DC 12V / AC 100 ~240V (50~60Hz)
<b>Power Consumption (Approx.)</b>	60Watts
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>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

# LVM-241S 24" 10bit Quality Control Monitor



## 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



## Product Highlights

- 24" Full HD Resolution (1920 x 1200)
- 1.07B Colors (10bit)
- 98% coverage of DCI-P3 color gamut
- Custom 3D LUT import by USB Flash drive
- Closed Caption (OP42/47, CC-608/708, CC-KOR)
- Waveform / Vectorscope (Advanced)
- PBP (Picture by Picture)
- Audio Level Meter
- Observer(Network) Control by Ethernet
- H/V Delay
- Fast Mode
- Time Code Display
- UMD
- User Aspect
- HDR Emulation
- Various Scan Modes

<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 Specification	
CVBS	1.0Vpp (With Sync) NTSC. PAL
Component Video	1.0Vpp (Y With Sync), 0.7Vpp(Pb,Pr)

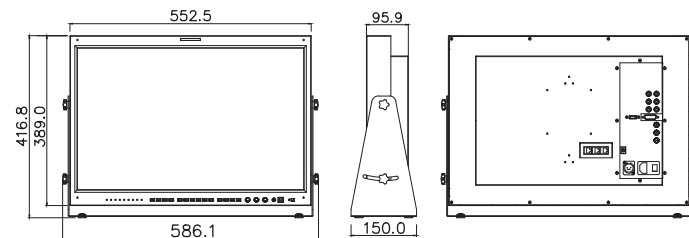
SDI Input Signal Formats	
<b>SMPTE-425M-A/B</b>	1080p (60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
<b>SMPTE-372M (Dual Link)</b>	Dual HD-SDI YCbCr(4:2:2) 1080p (60/59.94/50)
	Dual HD-SDI YCbCr/RGB(4:4:4) 1080i (60/59.94/50) 1080p/psF(30/29.97/25/24/23.98)
<b>SMPTE-274M</b>	1080i(60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.8sF)
<b>SMPTE-296M</b>	720p(60/59.94/50)
<b>SMPTE-260M</b>	1035i(60/59.94)
<b>SMPTE-125M</b>	480i(59.94)
<b>ITU-R BT.656</b>	576i(50)
<b>2K Format</b>	2048x1080p(24/24sF/23.98/23.98sF)
<b>Audio IN</b>	Embedded Audio / Analog stereo (Phone Jack)
<b>Audio OUT</b>	Internal Speaker(Stereo) / Analog stereo (Phone Jack)
<b>Power</b>	DC 12V / 24V / AC 100~240V(50~60Hz)
<b>Power Consumption (Approx.)</b>	65Watts
<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

# LVM-246W 24" Full HD Display for Popular Broadcast Monitor



## 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



## Product Highlights

- 24" 1920 x 1200 Full HD Resolution
- Audio Level Meter Display
- Focus Assist
- H/V Delay
- Luma(Y') Zone Check
- Time Code Display
- UMD
- User Aspect
- Various Scan modes
- CC-608 ANC / LINE 21
- CC-708
- Waveform/Vectorscope

<b>Size</b>	24"
<b>Resolution</b>	1920 x 1200 (16 : 10)
<b>Pixel Pitch</b>	0.27mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	250cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1000:1
<b>Display Area</b>	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	
<b>Analog</b>	CVBS / S-Video / Component / RGB(D-TV)
<b>3G-SDI</b>	2.970Gb/s
<b>HD-SDI</b>	1.485Gb/s
<b>SD-SDI</b>	270Mb/s
<b>HDMI</b>	480i/480p/576i/576p/720p/1080i/1080p/640x480/ 720x400/800x600/1024x768/1280x1024/ 1600x1200/1920x1200
<b>DVI-Analog</b>	640x480/720x400/800x600/1024x768/1280x768/ 1280x1024/1366x768
<b>DVI-D (PC mode)</b>	640x480/720x400/800x600/1024x768/1280x768/ 1280x1024
<b>DVI-D (HDMI mode)</b>	1080p (24/25/30/50/60)/1080i(50/60)/720p(50/60)/ 480i(60)/480p(60)/576i(50)/576p(50)
Analog Input Specification	
<b>CVBS</b>	1.0Vp-p (With Sync) NTSC. PAL
<b>S-Video</b>	1.0Vp-p (Y With Sync), 0.286/0.300 Vp-p(Chroma)
<b>Component Video</b>	1.0Vp-p (Y With Sync), ±350mV (Pb,Pr)
<b>RGB</b>	1.0Vp-p (G With Sync), 0.7Vp-p (B,R)
SDI Input Signal Formats	
<b>SMPTE-274M</b>	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)
<b>SMPTE-260M</b>	1035i (60/59.94)
<b>SMPTE-125M</b>	480i (59.94)
<b>ITU-R BT.656</b>	576i (50)
<b>2K Format</b>	2048 x 1080p (24/24sF/23.98/23.98sF)
<b>Audio IN</b>	Embedded Audio / Analog stereo (Phone Jack)
<b>Audio OUT</b>	Analog stereo (Phone Jack) / Internal Speaker (Stereo)
<b>Power</b>	DC 24V / AC 100~240V (50~60Hz)
<b>Power Consumption (Approx.)</b>	77Watts (Typ.) 112Watts (Typ.3A)
<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 / Stand



# LVM-328W 32" Multi Format Monitor



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 Specification		
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		
SMPTE-425M-A/B	1080p (60 / 59.94 / 50)	
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 (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.)	218 Watts (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	

**3G**  
Dual Link

Waveform  
Vectorscope

**HDMI**  
1.3

**CC**  
Closed Caption

**UMD**

**Fast mode**

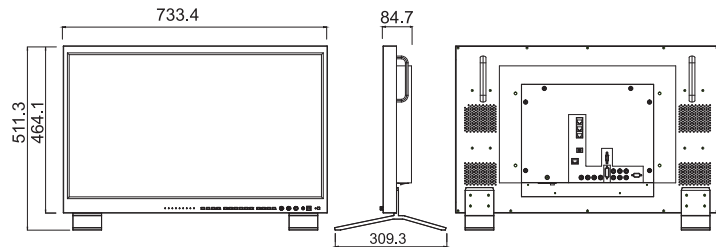
**PBP**

**FOCUS Assist**

**16ch**  
Audio Level  
Meter

## 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



## Product Highlights

- 31.5" 1920 x 1080 Full HD Resolution
- H/V Delay
- Fast Mode
- Time Code Display
- UMD
- User Aspect
- Waveform/Vectorscope
- CC-608 LINE 21/ANC, CC-708, CC-KOR/OP42, OP47

<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>	400cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1200:1
<b>Display Area</b>	698(H) x 392(V) mm

# 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



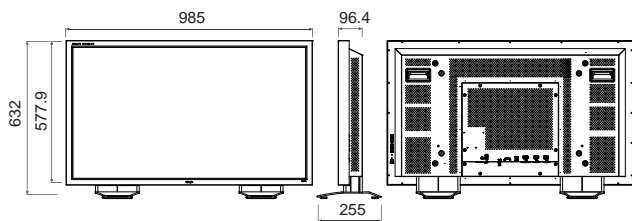
42" 1920 x 1080 Native HD Resolution with High Contrast 4000 : 1

### 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



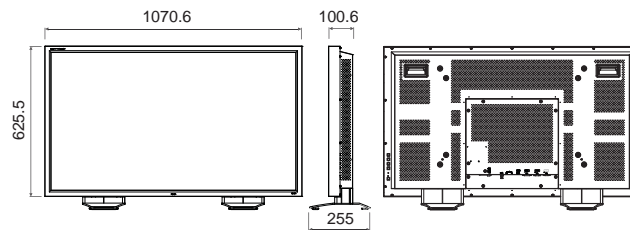
46" 1920 x 1080 Native HD Resolution with High Contrast 4000 : 1

### 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



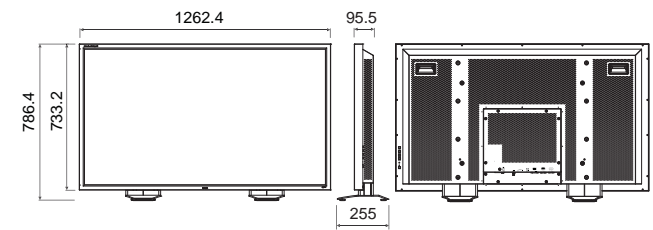
54.6" 1920 x 1080 Native HD Resolution with High Contrast 4000 : 1

### 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





Memo

A large, empty rectangular box with a light blue border, intended for writing a memo. The box is centered on the page and occupies most of the vertical space below the 'Memo' header.

	RKM-535A	RKM-443A	RKM-356A	RKM-270A	RKM-290A
Size	5 x 3.5"	4 x 4.3"	3 x 5.6"	2 x 7"	2 x 9"
Resolution	960x640	800x480	1280x800	1024x600	1920x1080
Aspect Ratio	3:2	15:9	16:10	16:9	16:9
Color	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M
Viewing Angle	160°(H)/160°(V)	160°(H)/160°(V)	170°(H)/170°(V)	160°(H)/160°(V)	176°(H)/176°(V)
Luminance max.	500 cd/m <sup>2</sup>	600 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
Contrast Ratio	1,000:1	1,000:1	500 : 1	800 : 1	750 : 1
Fast Mode	x	x	x	x	x
Camera LUT	x	x	x	x	x
HDR Emulation	x	x	x	x	x
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	x	●	●	●	●
PBP	x	x	x	x	x
CC-608 ANC	●	●	●	●	●
CC-608 LINE 21	●	●	●	●	●
CC-708	●	●	●	●	●
CC-KOR	x	x	x	x	x
OP42	x	x	x	x	x
OP47	x	x	x	x	x
Various Quad Display Modes	x	x	x	x	x
3D LUT	x	x	x	x	x
Color Gamut	x	x	x	x	x
Adjustable Gamma	x	x	x	x	x
3rd Party LUT import & export	x	x	x	x	x
Uniformity Correction	x	x	x	x	x

# Rack Mountable

RKM-535A

RKM-443A/356A

RKM-270A/290A

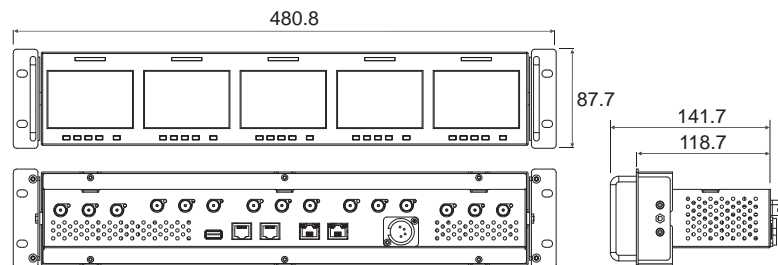
# RKM-535A Compact 3.5" x 5 Rack Mount Monitor



## 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 Screen
- 960x640 Resolution (3:2)
- 1:1 Pixel Mapping Modes for SD/HD
- Waveform / Vectorscope
- CC (608, 708)
- Audio Level Meter
- H/V Delay
- Key Lock
- Luma(Y") Zone Check
- Time Code Display
- UMD
- User Aspect
- Various Scan Modes
- Waveform / Vectorscope

<b>Size</b>	3.54"
<b>Resolution</b>	960 x 640 (3:2)
<b>Pixel Pitch</b>	0.078mm
<b>Color Depth</b>	16.7M
<b>Viewing Angle(Typ.)</b>	160°(H) / 160°(V)
<b>Luminance (Max.)</b>	500cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1000:1
<b>Display Area</b>	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>	
<b>Analog</b>	CVBS
<b>3G-SDI</b>	2.970Gb/s
<b>HD-SDI</b>	1.485Gb/s
<b>SD-SDI</b>	270Mb/s
<b>Analog Input Specification</b>	
<b>CVBS</b>	1.0Vp-p (With Sync) NTSC. PAL
<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), 1080i(60 /59.94/50)
<b>SMPTE-274M</b>	1080p(30/29.97/25/24/24sF/23.98/ 23.98sF) / 1080i (60/59.94/50)
<b>SMPTE-296M</b>	720p (60/59.94/50)
<b>SMPTE-260M</b>	1035i (60/59.94)
<b>SMPTE-125M</b>	480i (59.94)
<b>ITU-R BT.656</b>	576i (50)
<b>Audio In</b>	-
<b>Audio Out</b>	-
<b>Power</b>	DC 12V / 24V
<b>Power Consumption (Approx.)</b>	DC 60Watts (Max. 5A)
<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, Rack Mountable Kit

# RKM-443A

4 × 4.3" LCD Screen



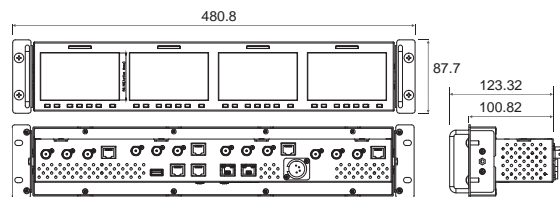
## Product Highlights

- 4.3" 800 x 480 (15:9) Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Audio Level Meter Display
- H/V Delay
- Key lock
- Luma(Y') Zone Check
- Time Code Display
- UMD
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- 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

3 × 5.6" LCD Screen



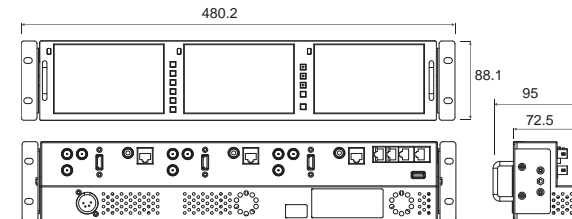
## Product Highlights

- 5.6" 1280 x 800 (16:10) Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Audio Level Meter Display
- H/V Delay
- Key lock
- Luma(Y') Zone Check
- Time Code Display
- UMD
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- 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 / 8.60lbs



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
<b>Input (1 Screen)</b>		
1 x BNC	SDI Channel Input	-
1 x BNC	CVBS	CVBS
1 x HDMI	-	HDMI Input
2 x BNC	-	SDI A/B Channel Input
<b>Output (1 Screen)</b>		
1 x BNC	SDI Channel Output	SDI 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) & VESA / IBM Modes
<b>SDI Input Signal Formats</b>		
<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)	
<b>SMPTE-274M</b>	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)	
<b>SMPTE-260M</b>	1035i(60/59.94)	
<b>SMPTE-125M</b>	480i(59.94)	
<b>ITU-R BT.656</b>	576i(50)	
<b>Power</b>	DC 12V / 3A (Max. 6.0A)	DC 12V / 24V / 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



# RKM-270A

3RU Rack-mount monitor



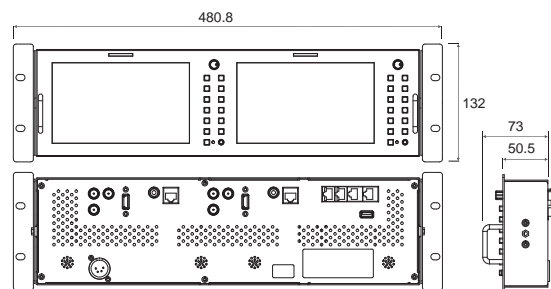
## Product Highlights

- 7" 1024 x 600 (16:9) Resolution
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Audio Level Meter Display
- H/V Delay
- Key lock
- Luma(Y') Zone Check
- Time Code Display
- UMD
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- CC-608 LINE 21/ANC, CC-708

## 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



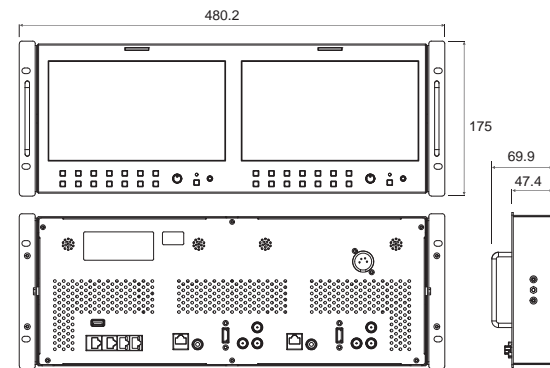
## Product Highlights

- 9" 1920 x 1080 (16:9) Resolution
- Audio Level Meter Display
- H/V Delay
- Key lock
- Luma(Y') Zone Check
- Time Code Display
- UMD
- User Aspect
- Various Scan modes
- Waveform/Vectorscope
- CC-608 LINE 21/ANC, CC-708

## 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>		
1 x HDMI	HDMI Input	HDMI Input
2 x BNC	SDI A/B Channel Input	SDI A/B Channel Input
1 x BNC	CVBS	CVBS
<b>Output (1 Screen)</b>		
1 x BNC	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) 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)	
<b>SMPTE-296M</b>	720p(60/59.94/50)	
<b>SMPTE-260M</b>	1035i(60/59.94)	
<b>SMPTE-125M</b>	480i(59.94)	
<b>ITU-R BT.656</b>	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 12V / 24V	DC 12V / 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

Memo

A large, empty rectangular box with a light blue border, intended for writing a memo. The box is centered on the page and occupies most of the lower two-thirds of the page.

	SWM-171A	SWM-420A	SWM-460A	SWM-550A
Size	16.5"	42"	46"	54.6"
Resolution	1920x1080	1920x1080	1920x1080	1920x1080
Aspect Ratio	16:9	16:9	16:9	16:9
Color	1.07B	1.07B	1.07B	1.07B
Viewing Angle	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)
Luminance max.	450 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>
Contrast Ratio	1500:1	4000:1	4000:1	4000:1
Fast Mode	●	●	●	●
Camera LUT	x	x	x	x
HDR Emulation	x	x	x	x
3G-SDI Level A/B	●	●	●	●
Audio Level Meter Display	●	●	●	●
Blue Only	●	●	●	●
Focus Assist	x	x	x	x
H/V Delay	●	●	●	●
Key lock	x	x	x	x
Luma(Y') Zone Check	x	x	x	x
Marker	●	●	●	●
Mono	●	●	●	●
Range Error	●	●	●	●
Time Code Display	●	●	●	●
UMD	●	●	●	●
User Aspect	●	●	●	●
Various Scan modes	●	●	●	●
Waveform / Vectorscope	x	x	x	x
Zoom	x	x	x	x
PBP	x	x	x	x
CC-608 ANC	●	●	●	●
CC-608 LINE 21	●	●	●	●
CC-708	●	●	●	●
CC-KOR	●	●	●	●
OP42	●	●	●	●
OP47	●	●	●	●
Various Quad Display Modes	x	x	x	x
3D LUT	x	x	x	x
Color Gamut	Rec709	Rec709	Rec709	Rec709
Adjustable Gamma	2.3 / 2.35 / 2.4	2.3 / 2.35 / 2.4	2.3 / 2.35 / 2.4	2.3 / 2.35 / 2.4
3rd Party LUT import & export	x	x	x	x
Uniformity Correction	x	x	x	x

# Wall Monitor

SWM-171A

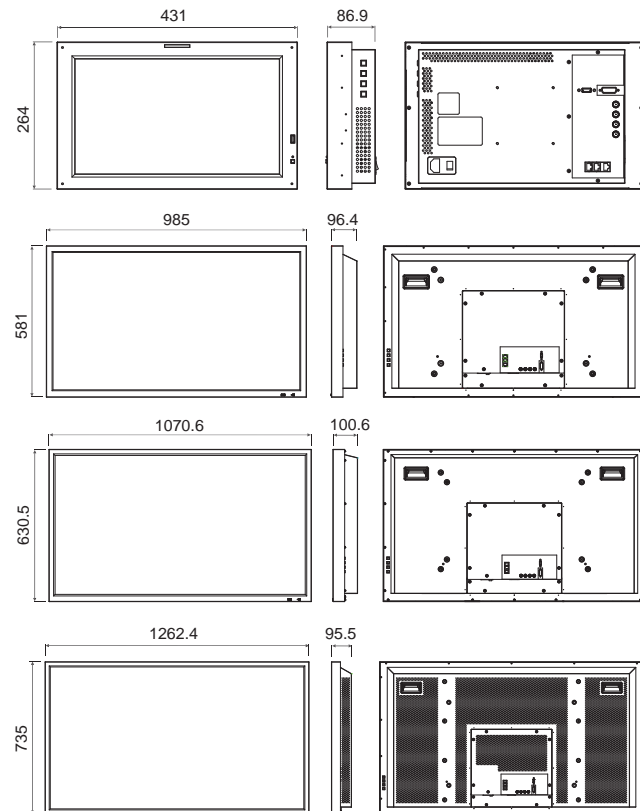
SWM-420A

SWM-460A

SWM-550A

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

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



## Product Highlights

- 16.5", 42", 46", 54.6" 1920 x 1080 (16:9) Resolution
- Audio Level Meter Display
- H/V Delay
- Time Code Display
- UMD
- User Aspect
- Fast Mode
- CC-608 LINE 21/ANC  
CC-708  
CC-KOR/OP42, OP47
- Network Control by Observer (Free PC Software)
- Auto Calibration

Model	SWM-171A	SWM-420A	SWM-460A	SWM-550A
<b>Size</b>	16.5"	42"	46"	54.6"
<b>Resolution</b>	1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)
<b>Pixel Pitch</b>	0.1905mm	0.484mm	0.53mm	0.63mm
<b>Color Depth</b>	1.07B	1.07B	1.07B	1.07B
<b>Viewing Angle</b>	178°(H,V)	178°(H,V)	178°(H,V)	178°(H,V)
<b>Luminance</b>	450cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>	450cd /m <sup>2</sup>
<b>Contrast Ratio</b>	1500:1	4000:1	4000:1	4000:1
<b>Display Area</b>	366(H) x206(V)	930(H) x523(V)	1018(H) x573(V)	1209(H) x680(V)

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



Memo

A large, empty rectangular box with a light blue border, intended for writing a memo. The box is centered on the page and occupies most of the vertical space below the header.

	LUM-171G	LUM-240G	LUM-313G	LUM-318G	LUM-310R
Size	16.5"	23.8"	31.1"	31.1"	31.1"
Resolution	1920x1080	3840x2160	4096x2160	4096x2160	4096x2160
Aspect Ratio	16:9	16:9	17:9	17:9	17:9
Color	1.07 B	1.07 B	1.07 B	1.07 B	1.07 B
Viewing Angle	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)
Luminance max.	450 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	850 cd/m <sup>2</sup>	2,000 cd/m <sup>2</sup>
Contrast Ratio	1500:1	1000:1	1500:1	1450:1	1,000,000:1
Fast Mode	×	×	×	×	×
Camera LUT	●	●	×	×	×
HDR Emulation	●	●	●	●	●
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	×	×	×	×	×
PBP	×	×	×	×	×
CC-608 ANC	●	●	●	●	●
CC-608 LINE 21	●	●	●	●	●
CC-708	●	●	●	●	●
CC-KOR	×	×	×	×	×
OP42	×	×	×	×	×
OP47	×	×	×	×	×
Various Quad Display Modes	×	×	×	×	×
3D LUT	●	●	●	●	●
Color Gamut	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020
Adjustable Gamma	●	●	●	●	●
3rd Party LUT import & export	●	●	●	●	●
Uniformity Correction	×	×	×	×	×

LUM-310X	LUM-430M	LUM-550M
31.1"	43"	55"
4096x2160	3840x2160	3840x2160
17:9	16:9	16:9
1.07 B	1.07B	1.07 B
178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)
1,000 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
1,000,000:1	1000:1	1100:1
x	x	x
x	x	x
●	●	●
●	●	●
●	●	●
●	●	●
●	x	x
●	x	x
●	x	x
●	x	x
●	●	●
●	x	x
●	●	●
●	x	x
●	x	x
●	x	x
●	x	x
●	●	●
x	x	x
x	x	x
●	●	●
●	●	●
●	●	●
x	x	x
x	x	x
x	x	x
x	x	x
●	x	x
Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020	Rec709, SMPTE-C, EBU, DCI, Rec2020
●	●	●
●	●	●
x	x	x

# 12G/4K Monitor

LUM-171G

LUM-310R

LUM-240G

LUM-310X

LUM-313G

LUM-430M

LUM-318G

LUM-550M

# LUM-171G 16.5" Supportive 4K HDR Emulation Monitor



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

### 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

12G  
SDI

HDR  
Emulation

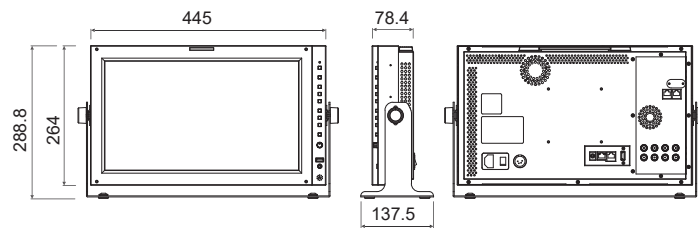
HDMI  
2.0

FOCUS  
Assist

1:1  
Pixel Mapping

## 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



## Product Highlights

- Practical hybrid of FHD panel + 4K Interface
- 16.5", 1920x1080 Resolution (16:9)
- 4K / UHD Interface
  - 2x12G-SDI & 2x3G-SDI in
  - 4xSDI out (Loop Through Out)
  - 1xHDMI in (HDMI 2.0)
- True 24p(48Hz) driving for Digital Cinema
- 1:1 Pixel Mapping Modes for SD/HD/FHD/UHD/4K
- Waveform/Vectorscope
- H/V Delay
- Audio Level Meter
- Time Code Display
- Focus Assist
- HDR Emulation

# LUM-240G 24" 4K / UHD HDR Emulation Monitor

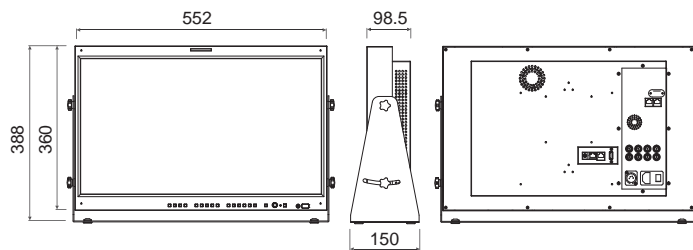


## Main body Dimensions

**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



## Product Highlights

- 23.8", True UHD Resolution (3840x2160)
- Color gamut covers up to DCI-P3
- 4K / UHD Interface
  - 2x12G-SDI & 2x3G-SDI in
  - 4xSDI out (Loop Through Out)
  - 1xHDMI in (HDMI 2.0)
- True 24p(48Hz) driving for Digital Cinema
- 1:1 Pixel Mapping Modes for SD/HD/FHD/UHD/4K
- Waveform/Vectorscope
- H/V Delay
- Audio Level Meter
- Time Code Display
- Focus Assist
- HDR Emulation

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

## 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>	480p / 720p / 1080p / 2160p

## SDI Input Signal Formats

<b>SMPT-425M-A/B</b>	1080p (50/59.94/60)
<b>SMPT-274M</b>	1080p (23.98/24/25/29.97/30p/psF)
<b>SMPT-296M</b>	720p (60/59.94/50)
<b>SMPT ST 2036-1:2009</b>	3840x2160(23.98/24/25/29.97/30/50/59.94/60p)
<b>SMPT ST 2048-1:2011</b>	2048x1080(23.98/24/25/29.97/30p/psf, 47.95/48/50/59.94/60p)
<b>SMPT ST 2081</b>	3840x2160 (30/25/24p)
<b>SMPT ST 2082</b>	3840x2160 (60/50/30/25/24p)
<b>Audio IN</b>	Analog Stereo
<b>Audio OUT</b>	Analog Stereo (Phone Jack)
<b>Power</b>	DC 24V / AC 100~240V(50~60Hz)
<b>Power Consumption (Approx.)</b>	115Watts (Max.)
<b>Operating Temperature</b>	0°C to 35°C (32°F to 95°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Accessory</b>	AC Power Cord / Stand

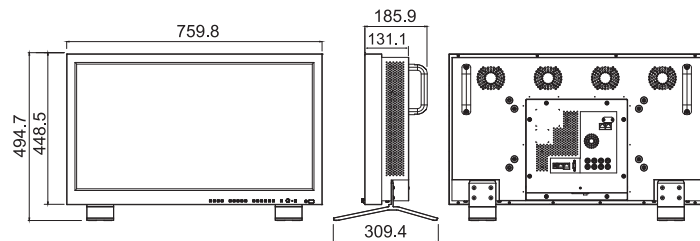


# LUM-313G 31" True 4K HDR Emulation Monitor



## 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)
- 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/UHD/4K
- Waveform/Vectorscope
- Time Code Display
- Focus Assist
- Audio Level Meter
- 3D LUT
- H/V Delay

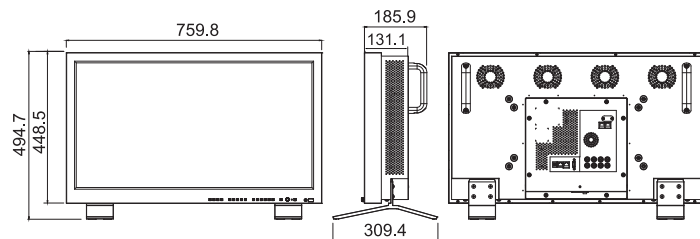
<b>Size</b>	31.1"
<b>Resolution</b>	4096 x 2160 (17:9)
<b>Pixel Pitch</b>	0.1704mm
<b>Color Depth</b>	1.07B
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	350cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1500:1
<b>Display Area</b>	698(H) x 368(V) mm
<b>Input</b>	
<b>4 x BNC</b>	12G-SDI A/B Channel Input 3G-SDI C/D Channel Input
<b>1 x HDMI</b>	HDMI Input (HDMI 2.0 ver)
<b>Output</b>	
<b>4 x BNC</b>	12G-SDI A/B, 3G-SDI C/D Channel (Loop Through Out)
<b>Input Signal</b>	
<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
<b>SDI Input Signal Formats</b>	
<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>	125Watts (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

# LUM-318G 31" True 4K HDR Emulation Monitor with High Luminance



## 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)
- Luminance up to 850cd/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/UHD/4K
- Waveform/Vectorscope
- Time Code Display
- Focus Assist
- Audio Level Meter
- 3D LUT
- H/V Delay

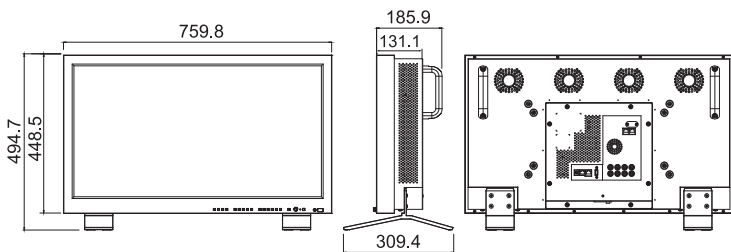
<b>Size</b>	31.1"
<b>Resolution</b>	4096 x 2160 (17:9)
<b>Pixel Pitch</b>	0.1704mm
<b>Color Depth</b>	1.07B
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	850cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1450:1
<b>Display Area</b>	698(H) x 368(V) mm
<b>Input</b>	
<b>4 x BNC</b>	12G-SDI A/B Channel Input 3G-SDI C/D Channel Input
<b>1 x HDMI</b>	HDMI Input (HDMI 2.0 ver)
<b>Output</b>	
<b>4 x BNC</b>	12G-SDI A/B, 3G-SDI C/D Channel (Loop Through Out)
<b>Input Signal</b>	
<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
<b>SDI Input Signal Formats</b>	
<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

# LUM-310R 31" True 4K HDR Reference Monitor with Local Dimming



## 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



## Product Highlights

- 31.1", True 4K Resolution (4096x2160)
- Local Dimming with 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)
- 1:1 Pixel Mapping Modes for SD/HD/FHD/UHD/4K
- Waveform/Vectorscope
- 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
- H/V Delay

<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 (True 10bit)
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	2,000cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1,000,000:1
<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 (Active 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

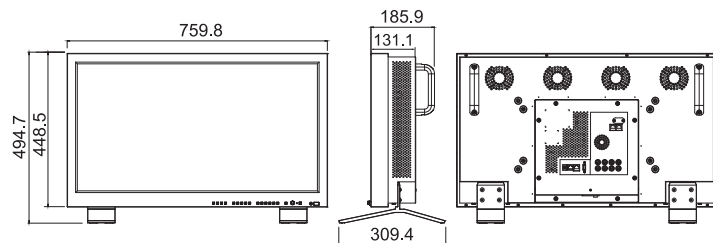
SDI Input Signal Formats	
<b>SMPTE ST2082</b>	3840x2160 60/50/30/25/24p
<b>SMPTE ST2081</b>	3840x2160 30/25/24p
<b>SMPTE ST2048-1:2011</b>	2048X1080 30/29.97/25/24/23.98p/psF, 60/59.94/50/48/47.95p
<b>SMPTE ST2036-1:2009</b>	3840x2160 60/59.94/59/30/29.97/25/24/23.98p
<b>SMPTE ST425M-A/B</b>	1080p(50/59.94/60)
<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>	HDR on : 430Watts (Max.) HDR off: 195Watts (Max.)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-20°C to 50°C (-4°F to 122°F)
<b>Accessory</b>	AC Power Cord / Stand

# LUM-310X *New* 31" True 4K HDR Reference Monitor



## Main body Dimensions

**Main Body** 776.7 x 456.35 x 193.1(mm) / 30.57 x 17.96 x 7.6(inch)  
**With Stand** 776.7 x 497.55 x 309.4(mm) / 30.57 x 19.58 x 12.18(inch)  
**Weight** TBD



## Optional Accessories



## Product Highlights

- 31.1", True 4K Resolution (4096x2160)
- Peak Luminance up to 1,000cd/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)
- 1:1 Pixel Mapping Modes for SD/HD/FHD/UHD/4K
- Waveform/Vectorscope
- 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
- H/V Delay

<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 (True 10bit)
<b>Viewing Angle (Typ.)</b>	178°(H) / 178°(V)
<b>Luminance (Max.)</b>	1,000cd/m <sup>2</sup> (center)
<b>Contrast Ratio</b>	1,000,000:1
<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 (Active 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>	HDR on : 330Watts (Max.) HDR off : 120Watts (Max.)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-20°C to 50°C (-4°F to 122°F)
<b>Accessory</b>	AC Power Cord / Stand

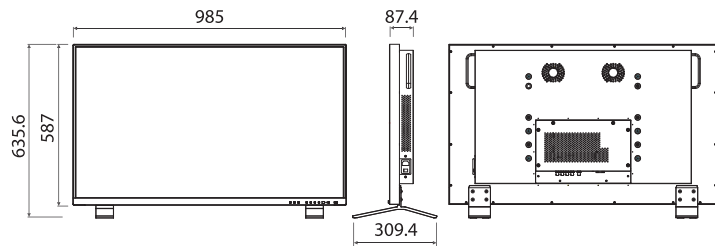


# LUM-430M 43" UHD Wall Monitor



## 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)



## Optional Accessories



## Product Highlights

- 42.5", True UHD Resolution (3840x2160)
- 4K / UHD Interface
  - 2x12G-SDI (Single Link) or 4x3G-SDI in (Quad Link)
  - 1xHDMI 2.0 in
  - 1x12G/6G/3G/HD-SDI out
- 1:1 Pixel Mapping
- Audio Level Meter
- Ultra Slim Bezel
- IR Remote Control
- Time Code Display

<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

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

Output	
<b>1 x BNC</b>	12G/3G/HD/SD SDI Output 1Ch (SDI A/B Selected channel output) 12G Mode : 3840x2160 60p/59.94p/50p

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 (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



# LUM-550M 55" UHD Wall Monitor with Ultra Slim bezel

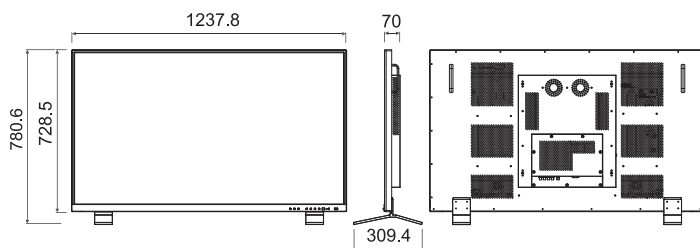


## Product Highlights

- 55", True UHD Resolution (3840x2160)
- 4K / UHD Interface
  - 2x12G-SDI (Single Link) or 4x3G-SDI in (Quad Link)
  - 1xHDMI 2.0 in
  - 1x12G/6G/3G/HD-SDI out
- 1:1 Pixel Mapping
- Audio Level Meter
- Time Code Display
- IR Remote Control
- Ultra Slim Bezel
- HDMI to SDI Conversion

## 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



<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

## 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

Appendix 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)	●	
F-7H mk2	●			●	● (V, G)	● (B, D)		●	● (Pelican)	●	
VFM-055A	● Included Free			●		● (B, D)		●	●	●	
F-5A	● Included Free			●		● (B, D)		●	●	●	
RKM-535A											
RKM-443A											
RKM-356A											
RKM-270A											
RKM-290A											
LVM-075A	● Included Free		● (D, S)	●	● (V, G)	● (D)	●	●	●	●	
LVM-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									●		
LUM-171G	●	●	● (S)		● (V, G)			●	●		
LUM-240G	●	●	● (S)		● (V, G)				●		
LUM-313G									●		
LUM-318G									●		
LUM-310R									●		
LUM-310X									●		
LUM-430M									●		
LUM-550M									●		

\* 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.



## EUROPE

### GERMANY



**VIDEOR E.Hartig GmbH** **ACE**  
Carl-Zeiss-Strasse.8 63322 Roedermark Germany  
T. (+49) 6074 888 217 E. t.sonntag@videor.com

### RUSSIA



**Synchro** **PRO**  
Zolotorozhsky Val, 32 str 6 office 103B Moscow Russia 111033  
T. (+7) 499 258 53 05 E. info@synhro.com



**BETA-SERVICE** **PRO**  
127427, 23 Ak. Koroleva str. bld 1, Moscow, Russia  
T. (+7) 495 617-7707, ext. 108 E. privet@betaservice.ru

### SLOVAKIA



**ELEKTRONIKA** **PRO**  
Bratislavka 41, SK-900 45 Malinovo, Slovak republic  
T. (+421) 2 40 200 711 E. sales@elektronika-as.sk

### CZECH



**IVC** **PRO**  
U nakladoveho nadrazi 2 130 00 Praha 3 Czech Republic  
T. (+420) 241 021 070 E. office@ivc-broadcast.cz

### TURKEY



**Radikal Elektronik Ltd. Sti.** **PRO**  
Ihlamur-Yıldız Cad. Keşşaf Sok. No:4/12 Beşiktaş, İstanbul  
T. (+90) (212) 259 7971 E. sarp@radikaltr.com

### UNITED KINGDOM



**Pyser Optics** **PRO**  
Fircroft way Edenbridge Kent TN8 6HA, United Kingdom  
T. (+44) 1732 864111 E. StefanCzich@pyseroptics.com

### BEGIUM / NETHERLANDS / LUXEMBOURG



**Aspectra B.V.** **PRO**  
Sporhaven 78 | 2651 AV Berkel en Rodenrijs, The Netherlands  
T. (+31) 105140680 E. rene.b@aspectra.nl

## AMERICAS

### UNITED STATES



**TVLogic USA** **ACE**  
7663 San Fernando Rd. Burbank, CA 91505  
T. (+818) 885 6442 E. service@tvlogicusa.com

## ASIA PACIFIC

### AUSTRALIA



**Techtel** **PRO**  
26 Whiting St, Artarmon, NSW 2064, Australia  
T. (+61) (0)2 8081 5403 E. mchandler@techtel.com.au

### JAPAN



**IDX Company, Ltd** **PRO**  
6 Chome-28-11 Shukugawara, Tama-ku, Kawasaki-shi,  
Kanagawa-ken 214-0021, Japan  
T. (+81) 44 850 8801 E. cs-japan@idx.tv

## MIDDLE EAST

### U.A.E



**MediaCast** **PRO**  
#2104, Al Thuraya Tower 1, Dubai Media City, P.O.Box: 13973,  
Dubai, U.A.E  
T. (+9714) 323 2933 E. ramuel@mediacastsys.com

#### ACE Level

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.



## AMERICAS

ARGENTINA	
<b>BVS Television</b>	T. (+54) 11 4958 5638 E. roberto@bvstv.com
BRAZIL	
<b>PHASE</b>	T. (+55) 21 2493 0125 E. phase@phase.com.br
CANADA	
<b>Applied Electronics</b>	T. (+1) 905 625 4321 E. proeser@appliedelectronics.com
<b>CEV</b>	T. (+1) 800 337 8835 E. sales@cev.ca
<b>HD Source</b>	T. (+1) 905-890-6905 E. ken@hdsources.ca
<b>ROCKET</b>	T. (+1) 416 729 2420 E. ed.labanowicz@we-rocket.ca
<b>SOFTECH</b>	T. (+1) 604 572 4938 E. wayne@softtech.tv
<b>ZAN3</b>	T. (+1) 514-880-0064 E. marc@zan3.ca
COLOMBIA	
<b>VIDEOELEC</b>	T. (+57) 1 256 7892 E. hernando.rubio@videoelec.com
PERU	
<b>Meditel Peru</b>	T. (+51) 988 888 223 E. carlos.escudero@meditelperu.com.pe
USA	
<b>TVLogic USA</b>	T. (+1) 818 842 4632 E. jin@preco.net
VENEZUELA	
<b>AVCOM</b>	T. (+58) 212 239 09 44 E. info@avcom.com.ve

## HEAD OFFICE

Tel. +82-70-8668-6611  
Fax. +82-2-6123-3201

E. support@tvlogic.co.kr / sales@tvlogic.co.kr

## ASIA PACIFIC

AUSTRALIA / NEW ZEALAND	
<b>Techtel Pty LTD.</b>	T. (+61) 2 9906 1488 E. mchandler@techtel.com.au
CHINA	
<b>Luoshijie Video Technology Co., Ltd</b>	T. (+86) 10 6415 3009 E. qixun@chinatvlogic.com E. rick.xin@chinatvlogic.com
HONG KONG	
<b>i-Solutions International Limited</b>	T. (+852) 3568-6530 E. wilson@i-solutions.com.hk
INDIA	
<b>ARK Infosolutions</b>	T. (+91) 916 770 7755 E. mohan.rawat@arkinfo.co.in
INDONESIA	
<b>MEDIA Integra</b>	T. (+62) 21 8430 8883-84 E. alex@ptmediaintegra.com
JAPAN	
<b>IDX Company, Ltd.</b>	T. (+81) 44 850 8801 E. cs-japan@idx.tv
KAZAKHSTAN	
<b>TVL-KZ</b>	T. (+7) 717 2787631 E. adlet@tvland.kz
MALAYSIA	
<b>ACS Solution Sdn Bhd</b>	T. (+60) 3 8011 4421 E. info@acssolution.com.my
<b>DIGITAL ASPECTS SDN. BHD</b>	T. (+60) 3 8051 8670 E. esther@daspects.com
<b>Macking Domain</b>	T. (+60) 16 323 8044 E. yoketee@mackingdomain.com
<b>CEDAR</b>	T. (+60) 12 677 7208 E. aden@cedar.com.my

<b>Broadcast Empire Sdn Bhd</b>	E. clovis@empire-baykl.com
MYANMAR	
<b>Rival Tech Global Co.,Ltd</b>	T. (+95) 979 774 7743 E. info@ss-hdsolutions.com
PAKISTAN	
<b>Hashimi Photos</b>	T. (+92) 300 207 7277 E. hashimi_photos@live.com
SINGAPORE	
<b>Broadcast Engineering Services Pte Ltd</b>	T. (+65) 6554 0110 E. sales@bes.com.sg
SINGAPORE / CAMBODIA / NEPAL / SRILANKA / BANGLADESH	
<b>Soheto Singapore Ptd. Ltd.</b>	T. (+65) 6339 7748 E. singapore@soheto.com.sg
<b>Newcine</b>	T. +65 9862 5665 E. newcinesg@gmail.com
THAILAND	
<b>STRONG BROTHERS 1961 COMPANY LIMITED</b>	T. (+662) 2361 2746 E. kulavit@strong1961.co.th
<b>DUNK CO., LTD.</b>	T. (+66) 2 043 9982 E. amorn_av@yahoo.com
TAIWAN	
<b>Joint Media System</b>	T. (+886) 2 8791 8087 E. JOINT@hibox.hinet.net
Philippines	
<b>BMH Systems Solution INC.</b>	T. (+623) 411 1723 E. anbautista@bmh-systems.com
VIETNAM	
<b>BMTS., JSC.</b>	T. (+84) 024 62815153 E. info@bmts.vn

## AFRICA

### EGYPT

**Systems Design** T. (+20) 2 3686 8320  
E. ramy.gamal@systemsdesign.tv

**Brain Waves Systems Middle East** T. (+20) 2 3857 0971-2-3  
E. mohamed.salah@bwaves.com

### MOROCCO

**ABCHIR SARL** T. (+212) 522 86 4451, 5118  
E. salima@abchir.com

### NIGERIA

**Mega Cyber Plus Ltd.** T. (+234) 809 954 4607  
E. opeyemi@megacyberplus.com

### SOUTH AFRICA

**Inala Broadcast** T. (+27) 11 073 0100  
E. colin.wainer@inalabroadcast.co.za  
E. anton.vanstaden@inalabroadcast.co.za

## EUROPE

### BELGIUM / NETHERLANDS / LUXEMBOURG

**Aspectra** T. (+31) 105140680  
E. rene.r@aspectra.nl

### BULGARIA

**Bulcomp** T. (+359 32 ) 962-758  
E. info@bulcomp.com

### CROATIA / SLOVENIA

**VISUAL IMPACT d.o.o. ZAGREB** T. (+385) (0)1 777 9022  
E. igor@visuals.hr

### CZECH REPUBLIC

**Smart Informatics** T. (+420) 602 545 270  
E. tomas.vesely@smartinformatics.cz

### DENMARK

**Hofmann DK** T. (+45) 32 97 80 97  
(Anpartsselskabet Hofmann)  
E. peter@hofmann.dk

### FINLAND

**Mediatrade** T. (+358) 9 774 0470  
E. eero.saarinen@mediatrade.fi

### FRANCE

**SAV** T. (+33) 1 53 38 22 00  
E. asales@sav.tv

### GERMANY / SWITZERLAND / AUSTRIA

**VIDEOR E.Hartig GmbH** T. (+49) 6074 888 200  
E. broadcast@videor.com

### GREECE

**Pierides TechnoSystems Ltd.** T. (+30) 210 6836750  
E. panos@pts.gr

### HUNGARY

**Studiotech Hungary Ltd.** T. (+36) (1) 240 1444/114  
E. Anita.Korsos@studiotech.hu

### ITALY

**Video Progetti SRL** T. (+39) 335 6107883  
E. carlo.struzzi@videoprogetti.it

### LITHUANIA / LATVIA AND ESTONIA

**TVC** T. (+370) 41 520295  
E. sales@tvc.tv

### POLAND

**JBD S.A** T. (+48) 603 649 651  
E. tomasz.slazak@jbd.com.pl

**Twenty 4 Seven s.c.** T. (+48) 22 632 66 22  
E. kk@twenty4seven.pl

### ROMANIA

**CBS** T. (+40) 31 434 3908  
E. cmartin@avcreative.ro

**RomTek** T. (+40) 21 2692008  
E. office@romtek.ro

### RUSSIA

**OKNO-TV** T. (+7) 495 543 93 93  
E. gavrik@okno-tv.ru

**SINKHRO** T. (+7) 258 5305  
E. kublov@synhro.com

### SERBIA / MONTENEGRO / BOSNIA / MACEDONIA

**VISUAL IMPACT d.o.o. BEOGRAD** T. (+381) 11 369 0043  
E. darko@visuals.rs

### SLOVAK REPUBLIC

**ELEKTRONIKA, a.s.** T. (+421) 24 020 0711  
E. michal.kolik@elektronika-as.sk

### SPAIN-PORTUGAL

**Broadcast Meditel** T. (+34) 91 572 11 45  
E. francisco.cordero@meditel.es

### SWEDEN / NORWAY

**Hofmann Teknik AB** T. (+46) 31 719 39 10  
E. m@hofmann.se

### TURKEY

**Radikal Elektronik Ltd. Sti** T. (+90) 212 259 7971  
E. kerem@radikaltr.com

### UKRAINE

**Comtel Boadcasting Solutions** T. (+380) 44 537 64 32  
E. sergey@comtel.ua

### UNITED KINGDOM

**Pyser Optics** T. (+44) 1732 864111  
E. StefanCzich@pyseroptics.com

## MIDDLE EAST

### ISRAEL

**Draco** T. (+972) 99554253  
E. elin@draco.co.il

### IRAN

**Raajmann Systems** T. (+98) 912 127 6990  
E. purchasing@raajmaan.com

### UAE / OMAN / QATAR / SAUDI ARABIA / KUWAIT / JORDAN / LEBANON

**Aspectra** T. (+31) 105140680  
E. rene.r@aspectra.nl



**TVlogic**<sup>®</sup> Always ON-AIR

Vidente Co., Ltd. [www.tvlogic.tv](http://www.tvlogic.tv)  tvlogic\_official

12F, ACE HIGH-END TOWER 8, 84, Gasan digital 1-ro, Geumcheon-gu, Seoul, 08590, Korea

Tel. +82-70-8668-6611 Fax. +82-2-6123-3201

E-mail. [sales@tvlogic.co.kr](mailto:sales@tvlogic.co.kr) / [support@tvlogic.co.kr](mailto:support@tvlogic.co.kr)