



User's Manual

Multi-Format LCD Monitors LVM Series

- LVM-171W
- LVM-241W
- LVM-401W
- LVM-461W
- LVM-571W



TVlogic

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Warning

- Always use set voltage.
 - AC 100 ~ 240V
 - DC 12V [Only LVM-171W] / DC 24V [Only LVM-241W]
- All operating instructions must be read and understood before the product is operated.
- These safety and operating instructions must be kept in safe place for future reference.
- All warnings on the product and in the instructions must be observed closely.
- All operating instructions must be followed.
- Do not use attachments not recommended by the manufacturer. Use of inadequate attachments can result in accidents.
- This product must be operated on a power source specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company. For units designed to operate on batteries or another power source, refer to the operating instructions.
- The power cords must be routed properly to prevent people from stepping on them or objects from resting on them. Check the cords at the plugs and product.
- Do not overload AC outlets or extension cords. Overloading can cause fire or electric shock.
- Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.
- Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.
- If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.
 - a. When the power cord or plug is damaged.
 - b. When a liquid is spilled on the product or when objects fall into the product.
 - c. When the product has been exposed to rain or water.

- d. When the product does not operate properly as described in the operating instructions. Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.
 - e. When the product has been dropped or damaged.
 - f. When the product displays an abnormal condition. Any noticeable abnormality in the product indicates that the product needs servicing.
- In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.
 - Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.
 - When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.
 - Unplug the power cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.
 - Unplug the power cord from the AC outlet if you do not use the product for considerably long time.
 - Do not use the product near water, such as bathtub, washbasin, kitchen sink and laundry tub, swimming pool and in a wet basement.
 - Keep the product away from direct rays of the Sun-light.
 - Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instruction. Use only the mounting hardware recommended by the manufacturer.
 - When relocating the product placed on a cart, it must be moved with the utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.

- The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
- The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LCD panel breaks.
- Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

FCC (Federal Communications Commission)

This equipment has been tested and found to comply with the limits for class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interface when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential to correct the interference at his own expense.

⚠ Warning!! : Change or modifications not expressly approved by the manufacturer responsible for compliance void the user's authority to operate the equipment.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packing indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources.

Features

LVM Series Monitors have the following features:

Compatible with varied SDI signals

The product is compatible with varied SDI Signals
- 480i, 576i, 720p, 1080i, 1080p, 1080psF (SDI A, B 2 channels are compatible)

Compatible with varied analog signals

The product is compatible with varied analog signals
- Composite, S-Video, Component, RGB, etc.

All-in-one system

Slim and all-in-one monitor that requires no external accessories, optimizes space utilization.

Wide Screen compatible

Wide Screen for native 16:9 aspect ratio monitoring.

AC/DC compatible

The product may be powered by normal AC source, but also 24V DC(LVM-241W) or 12V DC source(LVM-171W).

Remote control function

Remote-controlled simply with cable connection without additional peripheral equipment attached to unit.

DVI/HDMI(HDCP) function built-in

DVI/HDMI(HDCP) Input is available without any other accessory.

Dual Link support (Option)

LVM-171W (LVM-241W) can be equipped with password activated Dual Link support of 4:4:4 and 1080/60p formats.

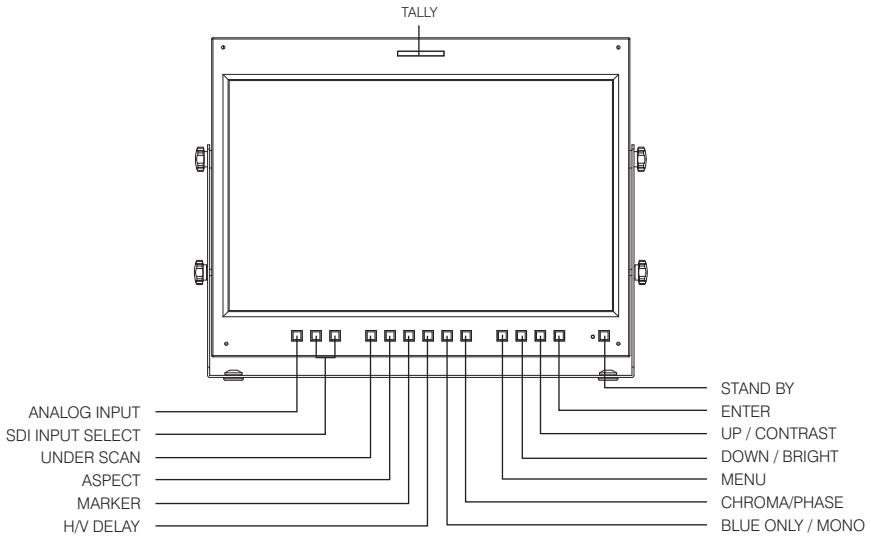
Additional Features

Wide Viewing Angle, Loop Through (SDI), VESA Mounting Standard, 1000:1 contrast ratio (LVM-241W), 500cd brightness, Easy to Operate User Interface and Rack-Mountable Design.

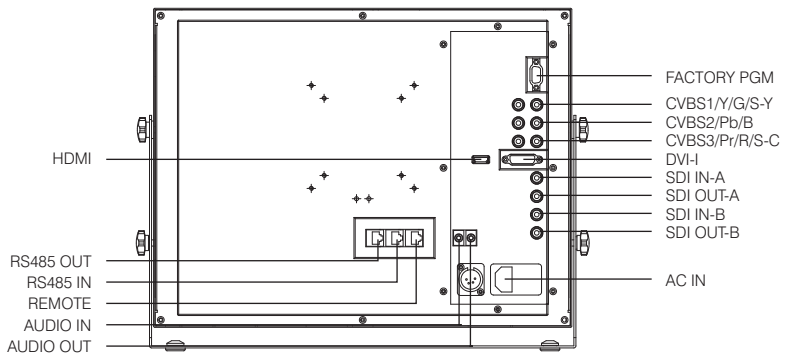
* LVM-171W contrast ratio 600:1, brightness 450cd

Name & Function of Each Part

<FRONT>

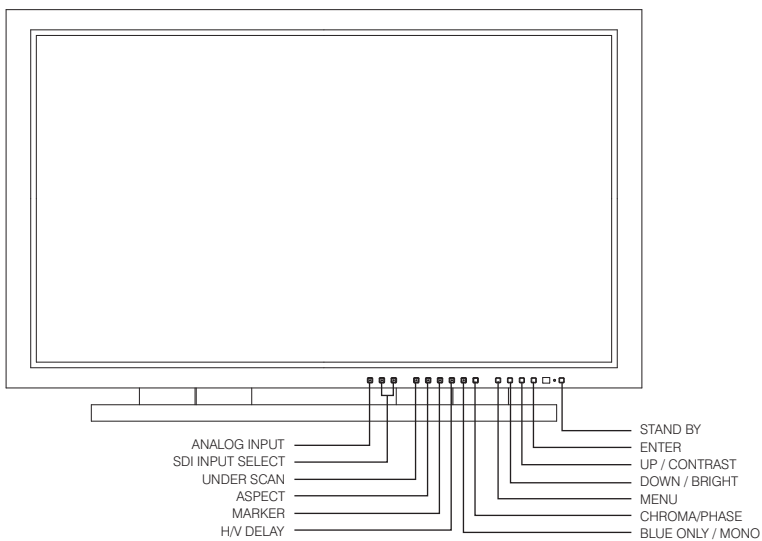


<REAR>

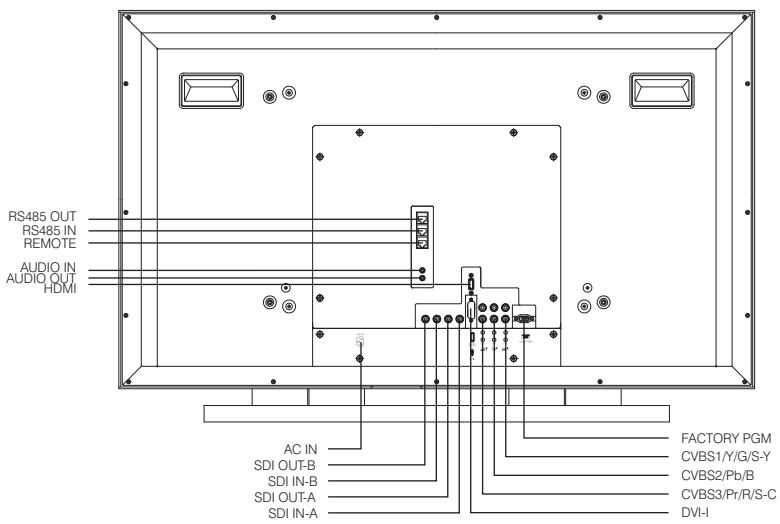


(LVM-171W / LVM-241W)

<FRONT>



<REAR>



(LVM-401W / LVM-461W / LVM-571W)

<FRONT>

· ANALOG INPUT

Used to select an ANALOG INPUT. Sub Menu for analog input menu-selection appears.

· SDI INPUT SELECT

Used to select SDI INPUT A or B.

· UNDER SCAN

Used to toggle between OVER SCAN & UNDER SCAN modes.
(Also toggles between other Scan Modes down to: SD 1:1 SCAN mode.)

· ASPECT

Used to change the monitoring aspect ratio for anamorphic SD sources.

· MARKER

Used to toggle onscreen MARKER on/off. The type of marker at work may be selected from the main menu.

· H/V DELAY

Used to check horizontal sync and vertical sync simultaneously.

· BLUE ONLY / MONO

You may remove R(red) and G(green) from the input signal and play the screen only in B(blue) signal. Pressing the button twice will activate MONO mode. (This mode uses only luminance value.)

· CHROMA/PHASE

Used to change the CHROMIANCE and PHASE values when the OSD Menu is inactive. Pressing the button once will activate the CHROMA mode. Pressing the button twice will activate PHASE mode.
(PHASE may be used only ANALOG mode.)

· MENU

Used to activate OSD menu.

- **DOWN/BRIGHT**

Used to move within the menus during OSD menu activation. It may also be used to control the BRIGHT value when the OSD Menu is inactive.

- **UP/CONTRAST**

Used to move within the menus during OSD menu activation. It may also be used to control the CONTRAST value when the OSD menu is inactive.

- **ENTER**

Used to confirm a chosen value (or mode) or for shortcut access to volume control when OSD menu is inactive.

- **STANDBY**

Signifies unit is connected to power source, which is indicated by power lamp. The lamp is RED when connected to a power supply and in Standby mode. The lamp is GREEN when monitor is on. In case of sudden power loss the last power state of the monitor is remembered.

- **POWER**

Used to turn power on and off.

- **TALLY**

LED that can be toggled via Remote Control.

<REAR>

- **REMOTE (RJ-45)**

Provides connection to monitor control equipment via simple GPI contact closure.

- **DVI IN / FACTORY PGM**

Used to connect DVI-A or DVI-D signals

- **FACTORY PGM**

Factory Program port used for firmware updates and automatic alignment

- **CVBS1/Y/G/S-Y (BNC)**

Signal input terminal used to feed monitor COMPOSITE 1, S-VIDEO Y, COMPONENT Y, RGB G signals.

- **CVBS2/Pb/B (BNC)**

Signal input terminal used to feed monitor COMPOSITE 2, RGB B, COMPONENT Pb signals.

- **CVBS3/Pr/R/S-C (BNC)**

Signal input terminal used to feed monitor COMPOSITE 3, S-VIDEO C, COMPONENT Pr, RGB R signals.

- **SDI-IN A (BNC)**

SDI/HD-SDI signal input terminal that provides A signal.

- **SDI-OUT A (BNC)**

SDI/HD-SDI signal output terminal used for SDI A output.

- **SDI-IN B (BNC)**

SDI/HD-SDI signal input terminal that provides B signal.

- **SDI-OUT B (BNC)**

SDI/HD-SDI signal output terminal used for SDI B output.

- **Audio in & out**

Built in Audio Disembedder and Internal Speakers Stereo Audio out using phone jack.
External Audio in for Stereo Speaker out

- **~ AC IN**

Used to supply AC power; 100V~240V input range.

- **DC 12V/24V IN**

Used to supply DC power 12V(LVM-171W) or 24V(LVM-241W).

Information

Input VIDEO connection method

Connector	Composite	Component		S-Video
1	CVBS1	Y	G	Y
2	CVBS2	Pb	B	No Con.
3	CVBS3	Pr	R	C

⚠ Warning!!

When using the product, make sure to connect the GND (power) first before connecting the input signal line. The unit may not operate properly if the input line is connected before the GND is connected.

Menu Organization & Adjustment

The product may be controlled and set system-wise through OSD displayed on the screen.

1) Menu Organization

Below is the organization of the product's menu.

PICTURE 1/3	LVM-241WG	TVLogic
	BRIGHT	0
	CONTRAST	0
	CHROMA	0
	PHASE	0
	APERTURE	0
	NTSC SETUP	7.5 IRE
	SDI FORMAT	SINGLE
	SDI SAMPLING	YCbCr 444

SDI A NO VIDEO

2) Menu Control

You may control various functions using MENU, UP/DOWN and ENTER buttons on the bottom front of the monitor.

3) Menu Control Sequence

Menu control sequence follows the order below


















1. Press MENU button to bring OSD menu on the screen.
2. Display the desired sub menu with the UP/DOWN button.

3. After selecting a sub menu, press ENTER to select an item with the UP/DOWN button.
4. Press ENTER to select the desired item. (Verified by highlighted field text turning red.)
5. Press ENTER to save the new value (verified by highlighted field returning to default black color.)
6. Press MENU once to remove OSD menu from the screen.

Menu Contents

Below are descriptions for each function of the menu.

[1] PICTURE menu

PICTURE 1/3	LVM-241WG	TVLogic	PICTURE 2/3	LVM-241WG	TVLogic
 BRIGHT		0	 FILTER		ON
 CONTRAST		0	 ORBITER CIRCUIT		OFF
 CHROMA		0	 INTERNAL PATTERN		OFF
 PHASE		0	 FAST MODE		OFF
 APERTURE		0	 VGA H POSITION		0
 NTSC SETUP		7.5 IRE	 VGA V POSITION		0
 SDI FORMAT		SINGLE	 DITHERING		ON
 SDI SAMPLING		YCbCr 444			
SDI A		NO VIDEO	SDI A		NO VIDEO
PICTURE 3/3	LVM-241WG	TVLogic			
 FORCE psf		OFF			
 FILM MODE DETECTION		AUTO			
SDI A		NO VIDEO			

- **Brightness**

This item controls the degree of brightness between MAX(50) and MIN (-50) range.

- **Contrast**

This item controls the contrast ratio between MAX(100) and MIN(-100).

- **Chroma**

This item controls saturation between MAX(50) and MIN(-50).

- **Phase**

This item controls PHASE value (Tone) between MAX(50) and MIN(-50). However, it is only available on COMPOSITE and S-VIDEO among ANALOG modes.

- **APERTURE**

This item controls the picture sharpness. Sharpness selection is between MIN(-1) and MAX(5).

- **NTSC SETUP**

This item sets IRE value in NTSC mode between 0 IRE and 7.5 IRE.

- **SDI FORMAT**

This item selects input SDI format between single link and dual link SDI.

- **SDI SAMPLING**

This item selects input SDI sampling mode between YCbCr and RGB for Dual Link Signals.

- **FILTER**

This toggles the 4:4:4 Video Processing Filter On/Off. To eliminate ringing artifacts in 4:2:2 sources please set this Filter to OFF.

- **ORBITER CIRCUIT**

This item is available to prevent TIR on static images displayed on screen for extended periods of time. Most scenarios do not require an orbiter circuit as TIR does not occur easily/rapidly. However, for some Multi-Viewer type applications this mode may be desirable. The orbiter value can be set between 1 and 100 (number of pixels image is scaled down). The image will move onscreen every 10 minutes.

- **INTERNAL PATTERN**

This item generates internal white pattern. The white level can be set between 0% and 100% in 5% increments.

- **FAST MODE**

This item minimizes deinterlacing delay and improves the quality of fast moving fine detail in interlaced sources.

- **VGA H POSITION**

This item controls VGA H position. It is only available in DVI analog mode.

- **VGA V POSITION**

This item controls VGA V position. It is only available in DVI analog mode.

- **DITHERING**

This item enables dithering 10 bit dithering.



- **FORCE psf**

This item forces psf mode for psf signals overriding automatic psf detection.

- **FILM MODE DETECTION**

This item toggles Film Mode On/Off

[2] COLOR menu

COLOR	LVM-241WG	TVLogic
 COLOR TEMP		6500K
 GAIN RED		0
 GAIN GREEN		0
 GAIN BLUE		0
 BIAS RED		0
 BIAS GREEN		0
 BIAS BLUE		0
 COLOR COPY		6500K

SDI A NO VIDEO

· COLOR TEMP

This item controls COLOR TEMPERATURE and allows instant access to pre-stored color temperature settings of 5000K, 5600K, 6500K, 9300K and USER modes. In user mode, the user can define custom RGB Gain and Bias Values

· GAIN RED

This item controls red color. The value is selectable between MIN(-255) and MAX(255).

· GAIN GREEN

This item controls green color. The value is selectable between MIN(-255) and MAX(255).

· GAIN BLUE

This item controls blue color. The value is selectable between MIN(-255) and MAX(255).

· BIAS RED

This item adjusts black level to control red color. The value is selectable between MIN(-50) and MAX(50).

· BIAS GREEN

This item adjusts black level to control green color. The value is selectable between MIN(-50) and MAX(50).

· BIAS BLUE

This item adjusts black level to control blue color. The value is selectable between MIN(-50) and MAX(50).

· COLOR COPY

This item is used to copy pre-stored color temperature settings (set and stored by automatic alignment) into a user setting as a starting point for custom color temperature setting.

[3] MARKER menu



· MARKER

This selects the marker type when the MARKER is displayed on the screen. MARKER may only be activated by pressing the MARKER button on the front of the monitor. Available MARKER types are as follows:

MODE	MARKER CLASS
HD	16:9, 4:3, 4:3 ON AIR, 15:9, 14:9, 13:9, 1.85:1, 2.35:1, 1.85:1 & 4:3, USER
SD 16:9	
SD 4:3	16:9

· CENTER MARKER

This item displays the CENTER MARKER on the screen. This function operates only after activating the MARKER function by pressing the MARKER button on the front of the monitor.

· SAFETY AREA

This item controls the size of the SAFETY AREA between 80%, 88%, 90%, 93%, 100%, EBU ACTION 16:9, EBU GRAPHIC 16:9, EBU ACTION 14:9, EBU GRAPHIC 14:9, EBU ACTION 4:3 and EBU GRAPHIC 4:3.

· FIT MARKER

This item activates the Fit Marker Function. With Fit Marker On the Safety Area is displayed relative to the Marker in use. With Fit Marker Off the Safety Area is displayed relative to the incoming source.

- **MARKER MAT**

This item darkens the area of the outside of MARKER. The degrees of darkness are between OFF(0) and (7). The higher the number the darker the area outside of the Marker becomes

- **MARKER COLOR**

This item controls the color of the MARKER lines. Available colors are white, gray, black, red, green and blue.

- **MARKER THICKNESS**

This item controls the width of the marker. The degrees of width are between 1 and 7.









- **USER MARKER H1 / H2**

This item controls the position of up to two user defined Horizontal Marker lines.

- **USER MARKER V1 / V2**

This item controls the position of up to two user defined Vertical Marker lines.

[4] REMOTE menu

REMOTE	LVM-241WG	TVLogic
 PIN 1		NONE
 PIN 2		NONE
 PIN 3		NONE
 PIN 4		NONE
 PIN 5		NONE
 PIN 6		NONE
 PIN 7		POWER ON
 PIN 8		GND

SDI A NO VIDEO

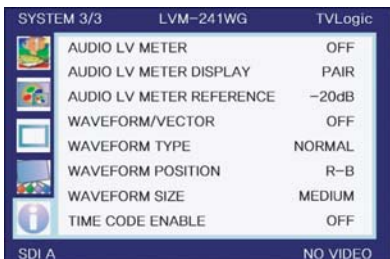
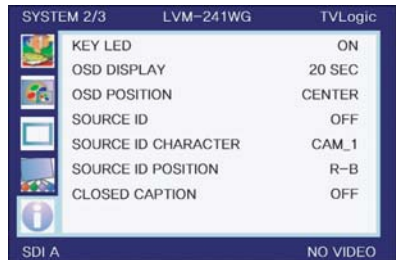
This product provides a REMOTE CONTROL mode. The user may connect an RJ-45 jack to the REMOTE terminal on the rear of the unit and designate a function for each pin.

The user designates function for PIN 1~PIN 6. PIN 7 is POWER ON/OFF use only, PIN 8 is the GND. The selectable functions are as follows:

Menu Classification	Settable Values
PIN 1~6	NONE, ANALOG CHANNEL, DIGITAL A/B CHANNEL, BLUE ONLY, SD 1:1 SCAN, UNDER SCAN, ASPECT, H/V DELAY, 16:9,15:9,14:9,13:9 MARKER, 4:3, 4:3 ON AIR MARKER, 1.85:1, 2.35:1 MARKER, 1.85:1&4:3 MARKER, CENTER MARKER,SAFETY AREA 80% / 88% / 90% / 93%, TALLY RED, TALLY GREEN

On the pin to be used, set the function you desire with the ENTER button and UP/DOWN button. The method of setting the value is the same as that for the MENU function discussed earlier.

[5] SYSTEM menu



· SET DEFAULT

You can use the SET DEFAULT menu to reinitialize the values of BRIGHT, CONTRAST, PHASE and CHROMA of the monitor.

· USER CONFIG SET

This item saves three different user configurations, which can be recalled by simply selecting User 1, 2, or 3.

· BACK LIGHT

This item controls the LCD Panel's backlight brightness. The value is selectable between MIN(0) and MAX(50).

· AUDIO VOLUME

This item controls audio volume between MIN (0) and MAX (30).

· AUDIO CHANNEL

This item selects the single or stereo pair of embedded audio channels to monitor. This item can be set to CH1 ~16 or Off.

· LOCK NUMBER

Lock number is product's serial number.

· LOCK ENABLE

Lock enable is the area reserved for the Dual Link Enable Key, which can be purchased separately, to password activate the Dual Link Option.

· BOARD VER

This item represents the serial number and hardware configuration of the monitor (Board Version can only be altered via firmware update.)

· KEY LED

This item toggles the monitor's front panel LED lights On/Off.

· OSD DISPLAY

This item controls OSD DISPLAY time. (20 sec or continuous)

· OSD POSITION

This item controls OSD Menu position. (Left-Top, Left-Bottom, Right-Top, Right-Bottom and Center.)

· SOURCE ID

This item toggles between Source ID modes. (MANUAL, ANC, Off)

· SOURCE ID CHARACTER

This item is used to set the 5 character source ID displayed when Source ID function is set to Manual. (Use Menu, Down, Up and Enter key to adjust Source ID characters.)

· SOURCE ID POSITION

This item controls Source ID position. (Left-Top, Left-Bottom, Center-Top, Center-Bottom, Right-Top and Right-Bottom)

· CLOSED CAPTION

This item toggles between available CC modes (608 line 21, 608 ANC data, 708, & Off)

· AUDIO LEVEL METER

This item controls on screen audio level meter display.

· AUDIO LEVEL METER

This item sets embedded audio groups to monitor, selection are: off, G1+G2, G2+G3, G3+G4, G1+G3, G1+G4, G2+G4.

· AUDIO LEVEL METER DISPLAY

When audio level meter is activated, This item controls display method.(Pair, Group)

· AUDIO LEVEL METER REFERENCE

This item sets audio level default.(-18dB, -20dB) Changes point where audio level meter switches from Green to Yellow.

· WAVEFORM/VECTOR

This item toggles between waveform and vector scope.

When in waveform mode it displays the shape and form of the luminance level of a signal. When in Vector scope mode it displays an X-Y plot of color signal.

· WAVEFORM TYPE

This item displays the waveform type (not a user adjustable mode).

- **WAVEFORM POSITION**

This item sets the waveform position. (R-B,C-B,L-B,L-T,C-T,R-T)

- **WAVEFORM SIZE**

This item sets the waveform size. (Large,Medium,Small)

- **TIME CODE ENABLE**

This item displays the time code. (VITC, LTC)

Other Functions

[1] ANALOG Mode Usage

This product is capable of processing numerous input signals in ANALOG mode. The ANALOG input settings are as follows:

1. Press ANALOG button on the front of the product and activate the menu below.



2. Highlight the value you desire by using the UP/DOWN button and press the MENU button to confirm your selection. From this point the OSD menu operates identically to the MENU operations discussed above.

⚠Warning!!

When using ANALOG mode, always check the input method and modify the setting as needed for optimized output results.

[2] SD 1:1 SCAN Mode

Widescreen models provide not only an UNDERSCAN mode but also an SD 1:1 SCAN mode. These modes may be selected as follows:

1. Transfer to UNDERSCAN by pressing the UNDERSCAN button on the front of the monitor.
2. Press the UNDERSCAN button again after the mode is shifted to UNDERSCAN mode to transfer to SD 1:1 SCAN mode.

[3] DVI Support Resolution

DVI-ANA mode supports the following modes:

Resolution	Frequency
640 × 480	60Hz, 75Hz
800 × 600	60Hz, 72Hz, 75Hz
1024 × 768	60Hz, 70Hz, 75Hz
720 X 400	70Hz

DVI-DIG mode is separated into Graphic mode and Video mode. Graphic mode supports the below resolutions and frequencies. DVI-DIG Graphic mode supports the following modes:

Resolution	Frequency
640 × 480	60Hz, 75Hz
800 × 600	60Hz, 72Hz, 75Hz
1024 × 768	60Hz, 70Hz, 75Hz
1280 × 1024	60Hz
1600 X 1200	60Hz
1920 X 1200	60Hz

DVI-DIG Video mode supports the following input signals.

SMPTE-274M	1080i (60 / 59.94)
SMPTE-296M	720p (60 / 59.94)
SMPTE-125M	480i (59.94), 480p(59.94)

※ When using DVI function, User must select Underscan button.

※ If not using a native widescreen mode the image can be viewed in widescreen aspect by pressing the aspect button.

[4] DUAL LINK Mode

This product provides a DUAL LINK mode. If user wants to view dual link signal, select signal format on picture menu. DUAL LINK Mode can be setup by following these steps:

1. Press the MENU button to bring up the OSD menu.



2. Display Picture menu and press ENTER button and then the PICTURE menu will be activated.
3. Select DUAL option in SDI FORMAT.
4. Select YCbCr 444, YCbCr 422 or RGB option in SDI SAMPLING.

Product Specification

Below is the product specification

		LVM-171W	LVM-241W
Input	1 x DVI-I	DVI-I(RGB) IN	
	3 x BNC	Analog Input	
	2 x BNC	SDI A/B Channel Input	
	1 x HDMI	HDMI Input	
Output	3 x BNC	Analog Output	
	2 x BNC	SDI A/B Channel (Active Through Out)	
Input Signal	Analog	Composite / S-Video / Component / RGB	
	HD-SDI	1.458Gpbs	
	SD-SDI	270Mbps	
	DVI	VESA/IBM Modes	
	HDMI	480i/480p/720p/1080i & VESA/IBM Modes	
Analog Input Spec	Composite	1.0Vpp (With Sync)	
	S-Video	1.0Vpp (Y With Sync), 0.286Vpp(C)	
	Component	1.0Vpp (Y With Sync), 0.7Vpp (Pb,Pr)	
	RGB	1.0Vpp (G With Sync), 0.7Vpp (B,R)	
SDI Input Signal Formats		1080i (60/59.94/50)	
	SMPTE-274M	1080p (30/29.97/25/24/24sF/23.98/23.98sF)	
	SMPTE-296M	720p (60/59.94/50)	
	SMPTE-260M	1035i (60/59.94)	
	SMPTE-125M	480i (59.94)	
	ITU-R BT.656	576i (50)	
Audio In	Embedded Audio / Analog Stereo (Phone Jack)		
Audio Out	Analog Stereo (Phone Jack)		
LCD	Size	17.1"	24"
	Resolution	1280 x 768 (15:9)	1920 x 1200 (16:10)
	Pixel Pitch	0.291(H) x 0.291(W) mm	0.270(H) x 0.270(W) mm
	Color	16.7M(true 8bit)	16.7M(true 8bit)
	Viewing Angle	H : 176 degrees / V : 176 degrees	H : 178 degrees / V : 178 degrees
	Luminance of white	450 cd/m ² (Center)	500 cd/m ² (Center)
	Contrast	600:1	1000:1
	Display Area	372.4(H) x 223.4(V) mm	518.4(H) x 324.0(V) mm
Power	DC 12V(5A)/AC100~240V(1.8A/50~60Hz)		DC 24V(6A)/AC100~240V(1.8A/50~60Hz)
Power Consumption (Approx.)	60 Watts(DC / Max.)		73 Watts(DC / Typ.)
Operating Temperature	0°C to 40°C (32°F to 104°F)		0°C to 35°C (32°F to 95°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)		-20°C to 60°C (-4°F to 140°F)
Main Body Dimensions (mm/inch)	406 x 310 x 82 (15.98 x 12.20 x 3.22)		552 x 389 x 95 (21.73 x 15.31 x 3.74)
Main Body Dimensions (With Stand)	440 x 333 x 120 (17.32 x 13.11 x 4.72)		586 x 417 x 150 (23.07 x 16.41 x 5.90)
Weight	8Kg / 17.6 lb		11Kg / 24.2 lb
Accessory	AC / DC Power cord		AC / DC Power cord
Option	Carrying Case, V-Mount, Hood/Handle		Carrying Case
	19" Rack Mountable Kit, Dual-Link, ND Filter		19" Rack Mountable Kit Dual-Link, ND Filter

* Above specifications may be changed without notice



Product Specification

Below is the product specification

		LVM-401W	LVM-461W	LVM-571W	
Input	1 x DVI-I		DVI IN		
	1 x HDMI		HDMI IN		
	3 x BNC		Analog Input		
	2 x BNC		SDI 2 Channel Input		
	1 x BNC		-		
Output	3 x BNC		Analog Out		
	2 x BNC		SDI 2 Channel Output		
	1 x BNC		-		
Input Signal	Analog		Composite / S-Video / Component / RGB		
	HD-SDI		1.485Gbps		
	SD-SDI		270Mbps		
	HDMI		1080p / 1080i / 720p / 480i		
	DVI-Analog		640×480 / 800×600 / 1024×768 / 1280×768 / 1280×1024 / 720×400		
	DVI-Digital (Graphic)	640×480 / 800×600 / 1024×768 / 1280×768 / 1280×1024 / 720×400 / 1600×1200 / 1920×1200 / 1920×1080			
	DVI-Digital (Video)	1080p (60/59.94/50) / 1080i (60/59.94/50) / 720p (60/59.94/50) / 480i (59.94) / 480p (59.94) / 576i (50)			
Analog Input Spec	Composite		1.0Vpp (With Sync)		
	S-Video		1.0Vpp (Y With Sync), 0.286 Vpp (C)		
	Component		1.0Vpp (Y With Sync), 0.286 Vpp (Pb,Pr)		
	RGB		1.0Vpp (G With Sync), 0.286 Vpp (B,R)		
SDI Input Signal Formats	SMPT-274M		1080i (60 / 59.94 / 50)		
	SMPT-296M		1080p (30 / 29.97 / 25 / 24 / 24sF / 23.98 / 23.98sF)		
			720p (60 / 59.94 / 50)		
	SMPT-372M**	Dual HD-SDI YPbPr (4:2:2)		1080p (50 / 59.94 / 60)	
		Dual HD-SDI YPbPr/RGB (4:4:4)		1080i (29.97 / 25 / 24 / 23.98) 1080p (30 / 29.97 / 25 / 24 / 23.98) 720p (60 / 59.94 / 50)	
	SMPT-260M		1035i (60 / 59.94)		
	SMPT-125M		480i (59.94)		
	ITU-R BT656		576i (50)		
	2K Format		2048 X 1080 (23.98psf / 24psf / 23.98p / 24p)		
Audio IN		Embedded Audio / Analog stereo (Phone Jack)			
Audio OUT		Analog stereo (Phone Jack)			
LCD	Size	40"	46"	57"	
	Resolution	1920×1080 (16:9)	1920×1080 (16:9)	1920×1080 (16:9)	
	Dot Pitch	0.461 mm	0.53 mm	0.651 mm	
	Color	16.7M (True), 24bit	16.7M (True), 24bit	16.7M (True), 24bit	
	Viewing Angle (Typical)	H : 178 degree	H : 178 degree	H : 178 degree	
		V : 178 degree	V : 178 degree	V : 178 degree	
	Luminance of White	450 cd (Center)	450 cd (Center)	600 cd (Center)	
	Contrast	1000 : 1	1000 : 1	1200 : 1	
	Display Area	885.60×498.15 mm	1018×572 mm	1251.36×703.89 mm	
Power	AC 100 - 240 V (1.8A/50-60Hz)	AC 100 - 240 V (1.8A/50-60Hz)	AC 100 - 240 V (1.8A/50-60Hz)		
Power Consumption (Approx.)	290 Watts	349 Watts	516 Watts		
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)		
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)	-20 °C to 60 °C (-4 °F to 140 °F)	-20 °C to 60 °C (-4 °F to 140 °F)		
Main Body Dimensions (mm/inch)	990.6×589.6×111.8(39.0×23.2×4.4)	1126.6×670.7×103.8(44.4×26.4×4.1)	1370×807×120(54.0×31.8×4.7)		
Main Body Dimensions (with stand)	990.6×642.7×255(39.0×25.3×10.0)	1126.6×723.8×255(44.4×28.5×10)	1370×857.7×350(54.0×33.8×13.8)		
Weight	35Kg / 77.2 lb	42Kg / 92.6 lb	57Kg / 125.6 lb		
Accessory	AC Power Cord	AC Power Cord	AC Power Cord		
Option	Carrying Case / WALL mount Dual-Link / ND Filter	Carrying Case / WALL mount Dual-Link / ND Filter	Carrying Case / WALL mount Dual-Link / ND Filter		

* Above specifications may be changed without notice





TVLogic Product Line



LVM - 071W



LVM - 171W



LVM - 241W



LVM - 401W



LVM - 461W



LVM - 571W



LHM - 400W



LHM - 460W



LHM - 570W

Developed by

TVlogic

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