



# LVM-074W

## Lightweight High Resolution 7" HD LCD Monitor

### PRODUCT SUMMARY

#### Versatile Viewfinder and Production Monitor

The LVM-074W is a 7" multi-format production/viewfinder monitor utilizing a high-resolution (1024x600) LED backlit LCD panel housed in a lightweight and durable magnesium alloy case. Optimized for use with the latest professional HD/SDLRs & Camcorders, the LVM-074W offers a wide range of professional features including: Waveform/Vector Scope, built-in HDMI to HDSDI conversion output, Horizontal and Vertical Image Flip, Focus Assist, Audio Level Meter and more. Other features include 4 front-panel encoder knobs for Brightness, Contrast, F5(User)/Volume, Menu functions. Assignable functions keys, Headphone and USB are also accessible. Power options include DC input and an optional V-Mount bracket.

#### Comprehensive Format Support

The LVM-074W supports a complete range of NTSC, PAL and SECAM video input signals via SDI(3G/HD/SD-SDI), HDMI and analog CVBS, S-Video, Component Video and RGB.

#### Durable, Lightweight Construction

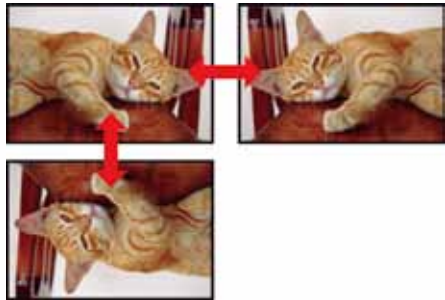
Utilizing a solid and light magnesium alloy case, the LVM-074W weighs only 600g. The slim, all-in-one design allows for multiple configurations with threaded holes on the right, left and bottom sides for flexible mounting options on or near the camera. A tabletop stand is included and an optional rack mount kit is available for single or dual display in standard 19" racks.



### FEATURES INCLUDE

#### H/V Flip (Auto 180° pivot screen)

The LVM-074W allows the displayed image to be flipped horizontally or vertically. This feature provides flexible mounting options for camera operators.



#### Temperature Adaptive Color

Internal sensor measures the temperature inside the monitor and compensates the white balance drift caused by a cold or hot weather. This function is useful for shooting under various weather condition.

Ex) LCD panel's color drift vs Ambient Temperature



#### Conversion Output & Active Loop Through



#### Markers

Choose framing markers for CENTER, SAFETY AREA, FIT and more.

#### DSLR Scale

This function is optimized for Canon 5DMK2, 7D and Nikon D7000 that display various resolutions for preview, recording, & playback. DSLR Scale function scales the low resolution input signal from DSLRs to fit the full screen of LVM-074W.



#### Focus Assist (=Peaking Filter)

Focus Assist function helps the shooter to easily find out the exact area in the picture with good focus, simply by adding colors on the shape or boundaries of the object in the picture. Mono background mode is added for ultimate focus control.



#### Waveform/Vector Scope

Displays Waveform Luma (Y' level) and Vector Scope (B-Y, R-Y on XY axis) in Y/Cb/Cr, Wide and Line modes.



#### Various Scan Modes

The LVM-074W features various scan modes ; Zero Scan, Over-Scan, Pixel to Pixel, User Aspect

### Pixel to Pixel Mode

Pixel to Pixel Mode displays the original image resolution without scaling to match a certain resolution or an aspect ratio.



### Range Error

The LVM-074W can analyze the Luma(Y') and Chroma(Cb/Cr) components of the input video signal and warn the user with blinking pixels, where the video signal is over the maximum or under the minimum of the designated range. This helps the user to optimize the exposure condition of the camera.



### Luma(Y') Zone Check

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



### Luma(Y') Zone Check- Zebra Pattern Mode(new)

Displays designated Luma(Y') level as Zebra patterns.



### Main body Dimensions

- Main Body : 203x131x34.6(mm) / 8.00x5.16x1.36(inch)
- With Stand : 217x143x69(mm) / 8.54x5.63x2.72(inch)
- Weight : 0.6 kg / 1.32 lbs

### Model Comparison

| Features                             | 071W | 074W |
|--------------------------------------|------|------|
| Optional Battery Bracket             | o    | o    |
| Focus Assist                         | o    | o    |
| Markers                              | o    | o    |
| Waveform/Vector Scope                | o    | o    |
| 3G-SDI                               | x    | o    |
| Range Error                          | x    | o    |
| Luma(Y') Zone Check (+Zebra Pattern) | x    | o    |
| SDI-to-SDI Active Loop Through       | o    | o    |
| HDMI-to-HDMI Active Loop Through     | x    | o    |
| HDMI-to-SDI Conversion output        | x    | o    |

### Specifications

#### LCD

|                      |                               |
|----------------------|-------------------------------|
| Size                 | 7"                            |
| Resolution           | 1024 x 600 (16 : 9)           |
| Pixel Pitch          | 0.15 mm                       |
| Color Depth          | 16.7M (True 8bit)             |
| Viewing Angle (Typ.) | 170°(H) / 170°(V)             |
| Luminance (Max.)     | 400cd/m <sup>2</sup> (center) |
| Contrast Ratio       | 800:1                         |
| Display Area         | 154(H) x 90(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 (SDI → SDI Active Loop Through) |
| 1 x HDMI | HDMI → HDMI, HDMI → SDI Active Loop Through        |

#### Input Signal

|        |                                       |
|--------|---------------------------------------|
| Analog | CVBS / S-Video / Component Video/ RGB |
| 3G-SDI | 2.97 Gbps                             |
| HD-SDI | 1.485Gbps                             |
| SD-SDI | 270Mbps                               |
| HDMI   | 480i / 480p / 720p / 1080i / 1080p    |

#### Analog Input Spec

|                 |                                      |
|-----------------|--------------------------------------|
| CVBS            | 1.0Vpp (With Sync)                   |
| S-Video         | 1.0Vpp (Y With Sync), 0.286Vpp (C)   |
| Component Video | 1.0Vpp (Y With Sync), 0.7Vpp (Pb,Pr) |

#### SDI Input Signal Formats

|                             |   |
|-----------------------------|---|
| SMPTE-425M-A/B              | 1080p (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)<br>1080p (30/29.97/25/24/24sF/23.98/23.98sF)                                |
| SMPTE-296M                  | 720p (60/59.94/50)  |
| SMPTE-260M                  | 1035i (60/59.94)  |
| SMPTE-125M                  | 480i (59.94)  |
| ITU-R BT.656                | 576i (50)   |
| Audio IN                    | Embedded Audio / Analog stereo (Phone Jack)   |
| Audio OUT                   | Analog stereo (Phone Jack) / Internal Speaker (Mixed Mono)                                      |
| Power                       | DC 12V  |
| Power Consumption (Approx.) | TBD   |
| Operating Temperature       | 0 °C to 40 °C (32 °F to 104 °F)   |
| Storage Temperature         | -20 °C to 60 °C (-4 °F to 140 °F)   |
| Accessory                   | AC Power Cord / DC Power Adaptor / Camera Mount Support   |

\* Specifications above may be updated without prior notice.

### Optional Accessories



### Contact TVLogic / www.tvlogic.tv

12F ACE HIGH-END 8, 345-4, Gasan-Dong, Guemchun-Gu, Seoul, 153-782, Korea  
Tel : +82-70-8668-6611, Fax : +82-2-6123-3202, E-mail : sales@tvlogic.co.kr