

# LMD-2110W

Professional LCD Monitor

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The LMD-2110W is a 21.5-inch\* full HD-resolution (1920 x 1080 pixels) multi-format professional LCD monitor. A cost-effective entry-level professional monitor, it incorporates high-purity colour filters and a 10-bit digital signal processing engine to deliver stunning colour reproduction and natural grey scale.

In addition to conventional analogue SD input interfaces, the LMD-2110W is equipped with an HDMI interface as standard, and is ideal for a wide range of professional high-definition applications, such as entry-level nonlinear editing, studio source monitoring, surveillance, and various other simple picture monitoring tasks.

\* 547-mm viewing area, measured diagonally.



## // High Picture Performance

### Full HD-resolution (1920 x 1080) LCD panel

The 21.5-inch full HD-resolution LCD panel reproduces lifelike images.

### High-purity Colour Filters

The LMD-2110W monitor provides high-brightness, high-contrast images thanks to its wide aperture LCD panel. In addition, the use of precisely manufactured RGB colour filters allows this monitor to reproduce colours with stunning depth and saturation – creating highly natural images.

### 109% Peak White and 10-bit Signal Processing

Incorporating high-purity RGB colour filters and a 10-bit signal processing engine, the LMD-2110W monitor offers stunning 109% peak white reproduction without clipping and a smooth grey scale along CRT-like gamma.

### Minimized Picture Delay

Picture delay can be minimized for audio synchronization. Selecting LINE DOUBLER in I/P mode, the signal processing (I/P conversion) period is less than one field (0.5 frames).

## // Input Versatility

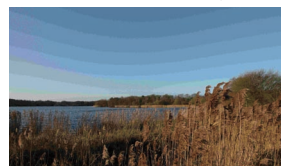
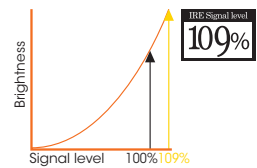
The LMD-2110W is equipped with a full range of analogue SD inputs including analogue composite NTSC/PAL, Y/C (S-Video), 525i/625i component, and RGB. This monitor can also handle SD-SDI input using an optional BKM-320D SD-SDI input adaptor. Furthermore, it offers an HD signal input capability via the HDMI and analogue component interface.



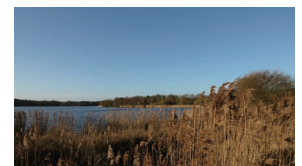
High-purity colour image



Grey-scale image



8-bit (256-level) image



10-bit (1024-level) image

## // Operational Convenience

- Marker function (Center, 16:9, 4:3)
- Scan setting (Normal (0%), Over (5%), Full scan)
- Colour temperature and gamma mode selection
- Aspect setting
- External parallel remote control

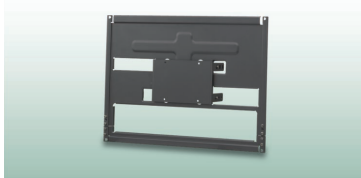
## // Mounting Flexibility

- VESA mounting (100 x 100 mm)
- EIA-standard 19-inch rack mountable with an optional MB-529 rack-mount bracket

## Specifications

| LMD-2110W                                 |  |
|---|--|
| <b>Picture Performance</b>                |  |
| Type                                      | a-Si TFT Active Matrix LCD   |
| Resolution                                | 1920 x 1080 pixels   |
| Effective picture size (H x W) (diagonal) | 477 x 268 mm (18 7/8 x 10 5/8 inches), 547 mm (21 5/8 inches)  |
| Aspect                                    | 16:9   |
| Colours                                   | Approx. 16.7 million colours   |
| Viewing angle                             | 170°/160° (typical) (horizontal/vertical contrast>10:1)  |
| <b>Input</b>                              |  |
| Composite                                 | BNC (x1), 1.0 Vp-p ±3dB sync negative  |
| Y/C                                       | Mini DIN 4-pin (x1)<br>Y: 1.0 Vp-p ±3dB sync negative,<br>C: 0.286 Vp-p ±3dB (NTSC burst signal level),<br>0.3 Vp-p ±3dB (PAL burst signal level)    |
| RGB, Component                            | BNC (x3)<br>RGB : 0.7 Vp-p ±3dB (sync on green, 0.3 Vp-p sync negative)<br>Component : 0.7 Vp-p ±3dB<br>(75% chrominance standard colour bar signal) |
| HDMI                                      | HDMI (x1)  |
| Audio                                     | Phono jack (x2), -5 dBu 47 kilohms or higher<br>OPTION AUDIO IN: Phono jack (x1), -5 dBu 47 kilohms or higher  |
| External sync                             | BNC (x1), 0.3 Vp-p to 4 Vp-p negative polarity binary  |
| Option in connector                       | D-sub 9-pin (x1), female   |
| Parallel remote                           | Modular connector 8-pin (x1) (pin-assignable)  |
| <b>Output</b>                             |  |
| Composite                                 | BNC (x1), loop-through, with 75 ohms automatic termination   |
| Y/C                                       | Mini DIN 4-pin (x1) loop-through, with 75 ohms automatic termination   |
| RGB, Component                            | BNC (x3), loop-through, with 75 ohms automatic termination   |
| External sync                             | BNC (x1), loop-through, with 75 ohms automatic termination   |
| Audio monitor out                         | Phono jack (x2), loop-through  |
| Speaker (built-in)                        | 0.5 W (mono)   |
| <b>General</b>                            |  |
| Power requirements                        | AC 100 V to 240 V, 50/60 Hz  |
| Power consumption                         | Maximum approx. 56 W, 1.0 A to 0.5 A   |
| Operating temperature                     | 0°C to 35°C (32°F to 95°F)<br>Recommended: 20°C to 30°C (68°F to 86°F)   |
| Operating humidity                        | 30% to 85% (no condensation)   |
| Storage and transport temperature         | -20°C to +60°C (-4°F to +140°F)  |
| Storage and transport humidity            | 0% to 90%  |
| Operating, storage and transport pressure | 700 hPa to 1060 hPa  |
| Dimensions (W x H x D) (with stand)       | 515 x 403 x 264 mm (20 3/8 x 15 7/8 x 10 1/2 inches)   |
| Dimensions (W x H x D) (without stand)    | 515 x 355 x 86 mm (20 3/8 x 14 x 3 1/2 inches)   |
| Mass                                      | 8.6 kg (18 lb 15 oz)   |
| Mass (without stand)                      | 6.9 kg (14 lb 19 oz)   |
| Accessories supplied                      | AC power cord (1), AC plug holder (1), Operating Instructions (1),<br>CD-ROM (1), Using the CD-ROM Manual (1), Warranty book (1)                     |

## Optional Accessories



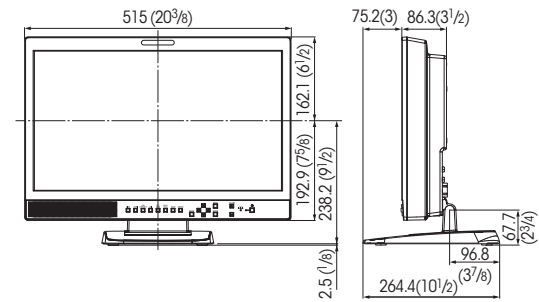
**MB-529**  
Mounting Bracket



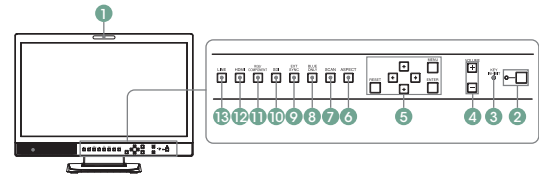
**BKM-320D**  
SD-SDI Input Adaptor

## Dimensions

Unit: mm (inches)

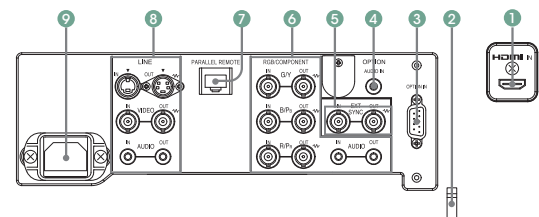


## Front Panel



- 1 Tally lamp
- 2 standby switch and indicator
- 3 KEY INHIBIT indicator
- 4 VOLUME buttons
- 5 Menu operation buttons
- 6 ASPECT select button
- 7 SCAN select button
- 8 BLUE ONLY button
- 9 EXT SYNC (external sync) button
- 10 SDI button
- 11 RGB/COMPONENT button
- 12 HDMI button
- 13 LINE

## Connector Panel



- 1 HDMI IN connector
- 2 HDMI cable holder
- 3 OPTION In connector
- 4 OPTION AUDIO In (Phono jack)
- 5 EXT SYNC In/Out (external sync) (BNC)
- 6 RGB/COMPONENT (BNC), Audio (Phono jack)
- 7 PARALLEL REMOTE (modular connector)
- 8 LINE [composite (BNC), Y/C (Mini DIN 4-pin),  
Audio (Phono jack)]
- 9 AC In



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