

LMD-1510W

15.6-inch Widescreen Entry-level LCD Monitor



PRELIMINARY INFORMATION



The LMD-1510W is a 15.6-inch WXGA (1366 x 768) multi-format professional monitor specifically designed to provide reference video monitoring solution for entry-level video applications.

A 10-bit processor ensures accurate picture reproduction with less image artefacts. Combined with a high purity filter, the LMD-1510W provides excellent colour depth for precise colour reproduction.

Equipped with a HDMI interface as standard, this new entry-level monitor is an ideal match for professional and semi-professional High Definition applications. In addition, the optional adaptor BKM-341HS supports both HD-SDI and SD-SDI inputs.

The LMD-1510W wins hands-down in terms of breadth of operation and performance when compared to standard PC monitors: video image reproduction is far superior due to its moving picture optimisation circuitry and colour temperature and Gamma control.

Slim and lightweight, the LMD-1510W also offers outstanding installation flexibility. It has a table stand and VESA mount as standard, enabling it to be easily placed on a desktop, in a monitor wall or on a ceiling.

Entirely at home in many professional environments, the LMD-1510W truly redefines high performance in the entry-level sector.

This product comes with the full Prime Support package. That's fast, hassle-free repairs, a helpline offering expert technical advice, and a free loan unit while yours is repaired. Plus the peace of mind that Sony is looking after your equipment – and your business.

Caratteristiche

WXGA (1366 768) 16:9 LCD panel

Delivers outstandingly crisp, high brightness and high contrast widescreen HD images with a fast transient response.

Cost-Effective Feature-Rich Performance

The LMD-1510W offers professional functionality in an economic package. Optimised for moving picture reproduction, it delivers accurate colour rendition and greyscale – thanks to its CRT-like gamma curve. And it sports a wide range of video interfaces and professional features allowing confident video signal evaluation.

High-purity Colour Filter

The LMD-1510W monitor provides high-brightness, high-contrast images thanks to its wide aperture LCD panel. In addition, the use of a precisely manufactured RGB colour filter 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 filter and a 10-bit signal processing engine, the LMD-1510W monitor offers stunning 109% peak white reproduction without clipping and a smooth grey scale along CRT-like gamma.

Safety Area Marker

The LMD-1510W features a Safety Area Marker for a variety of areas: 80%, 85%, 88%, 90% and 93%. An Aspect Marker and Centre Marker are also available.

SD Pixel Mapping

The LMD-1510W is able to select the appropriate picture size setting (pixel number) for the SD analogue input signal from two options:

- 720x576 (in the case of 50i) / 720x487 (in the case of 60i)
- 702x576 (50i) / 712x483 (60i)

SD pixel mapping is applicable to LINE (Composite and Y/C) and RGB/Component (Analogue RGB/Component) inputs.

Minimized Picture Delay

Picture delay can be minimised 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).

Optional HD/SD-SDI Input

With the BKM-341HS Optional Adaptor, the LMD-1510W supports both HD-SDI and SD-SDI input, with a higher picture quality and shorter depth compared to the BKM-320D input adaptor.

Input Versatility

The LMD-1510W is equipped with a full range of analogue SD inputs including 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.

Multi-Format Signal Support

Includes NTSC, PAL, component, RGB, Y/C, 480/60i, 575/50i, 480/60p, 576/50p, 1080/50i, 1080/60i, 720/50p, 720/60p, 1080/24psf, 1080/25psf, 1080/24p, 1080/25p and 1080/30p. The LMD-1510W also accepts standard definition digital signals with an optional SD-SDI input adaptor.

HDMI input for High Definition Display

Increasingly an interface of choice for entry-level production.

Colour Temperature Adjustment

D65, D93 or user presets can be selected.

CRT-like Gamma Curve

For accurate greyscale performance.

Selectable Scan Size and Aspect Ratio

Normal scan (0%), Over-scan (5%) and Full scan are available. Also, the aspect ratio can be switched between 16:9 and 4:3.

Three Colour Tally

The tally lamp can be lit via a parallel remote connector and status identified by three colours: red, green or amber.

Video Markers

Equipped with a central marker plus 4:3 and 16:9 markers for Over-scan and Normal-scan display.

Blue Only Mode

In the blue only mode, a monochrome display is shown. This mode is convenient for chroma and phase adjustments and monitoring of signal noise.

Remote Control

Via a programmable parallel remote interface.

Mono Audio Monitoring

The LMD-1510W is equipped with a mono speaker.

VESA Mounting (100 x 100mm)

Desktop or simple wall / ceiling mounting.

External Sync

The unit can be operated on the sync signal supplied from an external sync generator.