SONY

LMD-1510W

15.6-inch entry-level LCD monitor

Overview

Affordable high quality picture performance

The LMD-1510W is a 15.6-inch WXGA (1366 x 768) multi-format professional monitor specifically designed to provide a reference video monitoring solution for entry-level video applications. This monitor can be used for desktop editing and office viewing applications with video or computer format input through DVI to HDMI conversion cable.

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.

HDMI interface with optional HD-SDI inputs

The LMD-1510W is equipped with a HDMI interface as standard and, with the optional BKM-341HS adaptor, supports both HD-SDI and SD-SDI inputs.

Features

WXGA (1366 x 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 a 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 (50i) / 720x487 (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).

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.

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 SD-SDI input adaptor.

In case of SD-SDI input only, the BKM-320D can also be used.

Multi-Format Signal Support

Includes analogue composite(NTSC, PAL), components, 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 high definition and standard definition digital signals with an optional HD/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 100 mm)

Desktop or simple wall / ceiling mounting.

External sync

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

Specifications

Picture Performance	
Panel	a-Si TFT Active Matrix LCD
Picture Size (Diagonal)	395 mm 15 5/8 inches
Effective Picture Size (H x V)	344.0 x 194.0 mm 13 5/8 x 7 3/4 inches
Resolution (H x V)	1366 x 768 pixels (WXGA)
Aspect	16:9
Pixel Efficiency	0.9999
Backlight	CCFL
Colors	Approx.16.7 million colors

Viewing Angle (Panel Specification)	80°/80°/85°/85° (typical) (up/down/left/right contrast 10:1)

Input	
Composite Input	BNC (x1), 1 Vp-p ±3dB, negative synchronization
Y/C Input	Mini DIN 4-pin (x1) Y: 1 Vp-p ± 3dB sync negative C: 0.286 Vp-p ± 3dB (NTSC burst signal level), 0.3 Vp-p ± 3dB (PAL burst signal level)
RGB, Component Input	BNC (x3) RGB: 0.7 Vp-p ± 3dB (Sync On Green, 0.3 Vp-p negative sync.) Component: 0.7 Vp-p ± 3dB (75% chrominance standard color bar signal)
HDMI Input	HDMI (x1) (HDCP correspondence)
Audio Input	Phono jack (x2), -5 dBu 47 kΩ or higher
External Sync Input	BNC (x1), 0.3 to 4.0 Vp-p negative polarity binary
Option Input	D-sub 9-pin (x1), female

Parallel Remote	Modular connector 8-pin (x1) (Pin-assignable)

Output

Composite Output	BNC (x1), Loop-through, with 75 Ω automatic terminal function
Y/C Output	Mini DIN 4-pin (x1), Loop-through, with 75 Ω automatic terminal function
RGB, Component Output	BNC (x3), Loop-through, with 75 Ω automatic terminal function
External Sync Output	BNC (x1), Loop-through, with 75 Ω automatic terminal function
Audio Monitor Output	Phono jack (x2) , Loop-through
Speaker (Built-in) Output	0.5 W (mono)

General

Power Requirements	100 V to 240 V AC, 0.7 A to 0.4 A, 50/60 Hz
Power Consumption	Approx. 40 W (max.)
	(1) Maximum possible

Inrush Current	inrush current at initial switch-on (Voltage changes caused by manual switching): 63 A peak, 0.4 A r.m.s. (240V AC) (2) Inrush current after a mains interruption of five seconds (Voltage changes caused at zero-crossing): 51 A peak, 0.3 A r.m.s. (240V AC)
Operating Temperature	0°C to 35°C (Recommended: 20°C to 30°C) 32°F to 95°F (Recommended: 68°F to 86°F)
Operating Humidity	30% to 85% (no condensation)
Storage/Transport Temperature	-20°C to +60°C -4°F to +140°F
Storage/Transport Humidity	0% to 90%
Operating/Storage/Transport Pressure	700 hPa to 1060 hPa

Dimensions (W x H x D) [*1]	378.0 x 280.6 x 90.0 mm (without a stand) 378.0 x 325.6 x 264.4 mm (with a supplied stand) 15 x 11 1/8 x 3 5/8 inches (without a stand) 15 x 12 7/8 x 10 1/2 inches (with a supplied stand)
Mass	Approx. 5.8 kg Approx. 12 lb 13 oz
Supplied Accessories	AC power cord (1) AC plug holder (1) Operating Instructions (1) CD-ROM (1) Using the CD-ROM Manual (1)
Optional Accessories	MB-535 Mounting Bracket BKM-320D SDI Input Adaptor BKM-341HS HD/SD-SDI Input Adaptor

Notes

Note	[*1] The values for dimensions are approximate.

Environmental notice for customers in the USA

Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or see www.sony.com/mercury for additional information.

Related products

BKM-341HS

HD / SD-SDI input adaptor

HXR-NX100

1.0-type Exmor R™ CMOS Sensor NXCAM camcorder with maximum 48x zoom lens and 3 independent manual lens rings recording XAVC S, AVCHD and DV

HXR-NX5R

Three 1/2.8-inch Exmor CMOS sensors Full HD AVCHD / XAVC S camcorder with 40x zoom with Clear Image Zoom and built-in wireless functionality.

Gallery