SONY

LMD-1530W

15-inch entry-level LCD monitor

Overview

Since its introduction in 2003, Sony's LMD Series has offered professional monitors in a variety of types and sizes, suitable for applications in the studio and in the field.

Building on a long history as a leading supplier of high-definition technology products, Sony continues to enhance its LMD Series of monitors by introducing a new 15-inch entry level HD monitor, the LMD-1530W.

This monitor can be used for desktop editing and office viewing applications with video or computer format input through DVI to HDMI conversion cable. The LMD-1530W also supports both HD-SDI and SD-SDI with the optional BKM-341HS adaptor.

The LMD-1530W incorporates a 15:9 aspect ratio, WXGA (1280 x 768 pixels) LCD panel, and an HDMI interface - in addition to the features offered by the current LMD-1420 SD monitor. It also comes in an almost equivalent size, both in height and width, as to the popular LMD-1420 and LMD-1410 SD monitors.

Where smooth migration from the LMD-1420 or LMD-1410 to HD picture monitoring is desired, the LMD-1530W is an ideal choice in terms of product features, operational usability, installation convenience, as well as picture quality.

15" Wide Screen LCD Panel

The LMD-1530W is equipped with the latest generation of LCD panel providing high contrast pictures, detailed images with an excellent viewing angle. It offers same picture height as previous Sony CRT 14-inch which makes this product ideal for CRT replacement for entry level applications.

WXGA picture resolution (1280x768)

Although the LMD-1530W is aimed to replace the current LMD 14-inch series, it is equipped with a higher LCD panel resolution that is bringing crisp images even in SD.

Optimised for moving pictures

The LMD-1530W is a professional video monitor optimised to reproduce images with a high degree of accuracy. This new model is integrating high quality I/P processing to limit the artefact caused by the conversion. The LMD-1530W can be used as a reference monitor for entry level applications.

Professional features

One advantage of the LMD-1530W is its ability to provide the fundamental professional video features which are necessary for evaluating the picture quality of an image.

HDMI input

An HDMI connection can transmit a Video/Audio or computer signal through a single connector. This type of connection is becoming a standard compatible with a wide range of HD formats.

Features

High Resolution Panel (WXGA)

15.3-inch*, 15:9 aspect ratio, WXGA (1280 x 768 pixels) LCD panel.

*15.3 inch viewable area measured diagonally

Input Versatility

The LMD-1530W comes equipped with a full range of analogue SD inputs such as composite NTSC and PAL, Y/C (S-Video), and 525i/625i component and RGB. In addition, the LMD-1530W handles SD-SDI input by using the optional BKM-320D SD-SDI input adaptor. The LMD-1530W can accept HD signal via HDMI and analogue component interface, and DVI signals via HDMI interface*.

*A DVI conversion cable is required.

Optional HD/SD-SDI input

With the BKM-341HS optional adaptor, the LMD-1530W 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.

High Purity Colour Filters

The LMD-1530W comes equipped with high-purity RGB colour filters, allowing the reproduction of colours with stunning depth and saturation.

Excellent Brightness and Contrast

The LMD-1530W provides high-brightness, high-contrast images thanks to their wide aperture LCD panels. In addition, the use of precisely manufactured RGB colour filters allows the LMD-1530W to reproduce colours with stunning depth and saturation - creating highly natural images.

Wide Viewing Angle

The LCD panel used in the LMD-1530W provides a wide viewing angle of 176 degrees, both horizontally and vertically, with minimal reduction in picture contrast. This allows images to be viewed from various positions and angles.

Advanced Marker Settings

The LMD-1530W can display various area markers, including a centre marker and aspect markers. The brightness of these markers can be selected from three different levels: white, grey,

and dark grey. Users can also select either a black or gray matte to fill the outer area of the aspect markers. These flexible marker controls, together with the choice of many different aspect markers, make the LMD-1530W extremely convenient display devices for a variety of shooting scenarios.

Colour Temperature/Gamma Selection

Users can select from high, low, or preset colour temperatures. A variety of gamma modes can also be selected.

Selectable Scan Size for Video Input and Aspect Ratio

The scan size can be selected from 5% over-scan and -3% under-scan modes. The aspect ratio can be switched between 16:9 and 4:3 according to the input signal.

Three-colour Tally

The LMD-1530W comes equipped with a tally lamp that can be lit via a parallel remote connector. The status of the signal displayed on the monitor can be identified by the tally colour: red, green, or amber.

Parallel Remote Control

The LMD-1530W can be controlled remotely via their parallel remote connectors. In the remote menu, there are 17 functions (such as the ability to switch input signals), of which seven can be allocated to the remote connector.

Monaural Audio Monitoring

The LMD-1530W is equipped with a speaker (0.5 W), which enables the user to monitor audio.

Protected Controls

The key-inhibit function helps prevent inadvertent operation from the control panel.

4:3/16:9 Switchable Display

The scan aspect ratio can be switched between 4:3 and 16:9.

Mountable in a 19-inch EIA Standard Rack
The LMD-1530W (7U-high) can be mounted in a 19-inch EIA standard rack using optional MB-533 Mounting Bracket.

VESA Mounting
The LMD-1530W can easily be mounted (100 x 100 mm pitch) on a wall or ceiling.

Specifications

Picture Performance	
Panel	a-Si TFT Active Matrix LCD
Picture Size (Diagonal)	390 mm 15 3/8 inches
Effective Picture Size (H x V)	334.0 x 200.0 mm 13 1/4 x 7 7/8 inches
Resolution (H x V)	1280 x 768 pixels (WXGA)
Aspect	15:9
Pixel Efficiency	0.9999
Backlight	CCFL
Colors	Approx.16.7 million colors
Viewing Angle (Panel Specification)	89°/89°/89°/89° (typical) (up/down/left/right contrast 10:1)

Under Scan	3% under scan
Over Scan	5% over scan

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, 1.0 A to 0.5 A, 50/60 Hz
Power Consumption	Approx. 50 W (max.)
	(1) Maximum possible

Inrush Current	inrush current at initial switch-on (Voltage changes caused by manual switching): 63A peak, 0.4A r.m.s. (240V AC) (2) Inrush current after a mains interruption of five seconds (Voltage changes caused at zero-crossing): 51A peak, 0.3A 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]	372.0 x 288.0 x 100.0 mm (without a stand) 372.0 x 336.0 x 264.0 mm (with a supplied stand) 14 3/4 x 11 3/8 x 4 inches (without a stand) 14 3/4 x 13 1/4 x 10 1/2 inches (with a supplied stand)
Mass	Approx. 5.9 kg Approx. 13 lb
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-533 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

© 2004 - 2024 Sony Corporation. All rights reserved.
Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice. The values for mass and dimension are approximate. All trademarks are the property of their respective owners.