

SONY



LMD-1530W

15-inch Wide Screen Entry Level HD monitor

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.

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.

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.

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.

Benefits

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.

Technical Specifications

--Picture Performance--

Type	A-Si TFT Active Matrix LCD
Resolution	1280 x 768 pixels
Picture Size (H x W) (Viewable area) (Diagonal)	Approx. 334 x 200 mm (Approx. 13 1/4 x 7 7/8 inches) Approx. 390 mm (Approx. 15 3/8 inches)
Aspect	16:10
Colours	Approx. 16.7 million colours
Viewing Angle	88°/88°/88°/88° (typical) (up/down/left/right contrast>10:1)

--Input--

Line A	Composite BNC x 1, 1.0 Vp-p \pm 3dB sync negative Y/C 4pin Mini DIN x 1 Y: 1.0 Vp-p \pm 3dB sync negative, C: 0.286 Vp-p \pm 3dB (NTSC burst signal level), 0.3 Vp-p \pm 3dB (PAL burst signal level)
RGB/Component	Audio in RCA phono jack x 1 -5 dBu 47 k/ohms or higher RGB/Component BNC x 3 RGB : 0.7 Vp-p \pm 3dB (Sync On Green, 0.3 Vp-p sync negative) Component : 0.7 Vp-p \pm 3dB (75% chrominance standard colour bar signal)
Option	Audio in RCA phono jack x 1, -5 dBu 47 k/ohms or higher D1-SDI D-sub 9-pin x 1 Audio in
External Sync HDMI input Remote	RCA phono jack x 1 -5 dBu 47 k/ohms or higher BNC x 1, 0.3 to 4.0 Vp-p negative polarity binary HDMI x 1 Parallel remote Modular connector 8 pin x 1 (pin assignment at users' allocation)

--Output--

Line A	Composite BNC x 1, Loop-through, with 75 ohms automatic termination Y/C 4pin mini DIN x 1 Loop-through, with 75 ohms automatic termination Audio out
RGB/Component	RCA phono jack x1, Loop-through RGB/Component BNC x3, Loop-through, with 75 ohms automatic termination Audio out
External Sync Built-in speaker output	RCA phono jack x 1, Loop-through BNC x1, Loop-through, with 75 ohms automatic terminal function 0.5 W (mono)

--General--

Power Consumption	AC100 V to 240 V 50/60 Hz
Power requirement	Maximum Approx. 40 W 0.6 A to 0.4 A
Operating Temperature	0 to 35°C (recommended operation temperature 20 to 30°C)
Operating Humidity	30 to 85% (No condensation)
Storage & Transport Temperature	-20 to 60°C
Storage & Transport Humidity	0 to 90%
Operating/Storage/Trans. Pressure	700 to 1060 hPa
Dimensions (W x H x D)	Dimensions Approx. 372 x 336 x 264 mm (14 3/4 x 13 1/4 x 10 1/2 inches) Dimensions without stand Approx. 372 x 288.3 x 100 mm (14 3/4 x 11 3/8 x 4 inches)
Mass	Panel & Stand Approx. 5.9 kg (13 lb) Panel only Approx. 4.2 kg (9 lb 4 oz)

Accessories

Rack Mount Kits



MB-533

Rack-Mounting Bracket

Option Boards



BKM-320D

SDI 4:2:2 Input adaptor