

LMD-1541W

15-inch high grade LCD monitor



Overview

Compact, slim bezel design for flexible installation

The compact LMD-1541W has a slim, robust aluminium bezel and is specifically designed to suit a monitor-wall installation in studios and outside broadcast (OB) vans. It is also ideal for a wide variety of professional video and industrial image-monitoring applications where critical picture quality and professional features are required.

The 15.3-inch* WXGA (1280 x 768 pixels) high performance LCD panel reproduces lifelike images and stunning colours with a wide viewing angle. ChromaTRU™ colour matching technology helps ensure display consistency - ideal for multi-monitor systems. The LMD-1541W also features built-in SDI (3G/HD/SD), composite, and HDMI interfaces for operational versatility.

Features

- **Superb Picture Performance and Colour Consistency**

The 15.3-inch* WXGA (1280 x 768 pixels) resolution high-performance LCD panel reproduces lifelike precise images and accurate colour. Sony's unique ChromaTRU™ colour matching technology and 10-bit signal processing delivers a stunning smooth grey scale, emulating the colours and gammas of broadcast-standard CRT monitors. Users can select the required colour space within this gamut.

In addition, ChromaTRU™ technology provides these monitors with colour consistency essential for a multi-monitor system, and offers the best solution for a monitor-wall installation.

* 388.2 mm, viewing area measured diagonally.

- **Extremely Wide Viewing Angle**

IPS panel technology ensures the LMD-1541W offers exceptional horizontal and vertical viewing angles - ideal for group viewing.

- **Compact Design for Monitor-Wall Installation**

The LMD-1541W has a compact body with a lightweight, robust aluminium slim bezel - making it an ideal choice for monitor-wall installation, both in studio sub-control rooms and OB vans.

- **Desktop Editing and Office Viewing**

The LMD-1541W can be used as a desktop monitor both for editing and office viewing with supplied monitor feet. There is also an optional SU-561 monitor stand which provides a height and tilt adjustment feature.

- **Ideal for CRT Monitor Replacement**

The LMD-1541W and the PVM-14L2, Sony's most popular 14-inch 4:3 aspect CRT monitor, share almost the same viewable area height. The body of the LMD-1541W is 74.5 mm shorter in height and only 27.2 mm wider than the PVM-14L2 body. And with its space-saving design, the LMD-1541W can be installed effectively in small spaces.

- **Built-in Input Versatility**

The LMD-1541W has built-in standard input interfaces: two SDI (3G/HD/SD-SDI), one composite, and one HDMI input.

- **Easy-to-use Control Panel**

A rotary-type switch and seven function-assignable buttons allow users speedy and intuitive operation, even in dark environments thanks to LED indicators (which can be switched on/off).

- **In-monitor Display (IMD) Function for Source Monitoring**

The LMD-1541W supports the TSL UMD protocol and can display on screen two tally lamps and dynamic text information received via Ethernet. Up to 16 unicode characters* can be displayed. IMD text can be positioned at the top or bottom of the screen. Both the text colour and the tally lamp colour are separately selectable either in a commanded colour or in one of eight preinstalled colours.

* English alphabets, numbers, symbolic codes, and Japanese letters.

- **Waveform Monitor, Audio Level Meter*, and Time Code Display**

The input signal's waveform with a 2-channel audio level meter can be displayed on screen. When an SDI interface is connected, the embedded audio level can be displayed on screen with an 8-channel audio level meter. A time code superimposed on SDI signals can be displayed on screen. Users can select either

LTC or VITC.

* The Audio Level Meter function works only when receiving SDI-embedded audio signals.

- **External Remote Control Function**

The LMD-1541W has an external remote control capability for input/output signal selection and adjustment of various items via Ethernet (10BASE-T/100BASE-TX) connection. Up to 32 monitors and up to four control units can be connected via Ethernet and controlled remotely.

- **A Variety of Marker Settings**

The LMD-1541W can display a centre marker, aspect markers, and safety zone markers.

- **Scan Mode Selection**

Scan size can be selected from normal scan (0%), over scan (5%), full scan, and native scan modes.* The aspect ratio can be switched between 16:9 and 4:3 according to the input signal.

*Full Scan and Native Scan modes work on specific signal formats.

- **Picture Calibration**

Auto White Balance Calibration provides simple adjustment white balance in combination with a PC and the commercially available calibration tool (X-Rite i1Pro series).

Technical Specifications

Picture Performance	
● Panel	a-Si TFT Active Matrix LCD
● Picture Size (Diagonal)	388.6 mm 15 3/8 inches
● Effective Picture Size (H x V)	334.1 x 200.5 mm 13 1/4 x 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)
● Normal Scan	0% scan
● Over Scan	5% over scan

Input	
● Composite Input	BNC (x1), 1 Vp-p ±3dB, sync negative
● SDI Input	BNC (x2)
● HDMI Input	HDMI (x1) (HDCP correspondence)
● Audio Input	Stereo mini jack (x1), -5 dBu 47 kΩ or higher
● Parallel Remote	Modular connector 8-pin (x1) (Pin-assignable)
● Serial Remote (LAN)	RJ-45 (x1) (Ethernet, 10BASE-T/100BASE-TX)
● DC Input	XLR-type 4-pin (male) (x1), 12V DC (output impedance 0.05 Ω or less)

Output	
● Composite Output	BNC (x1), Loop-through, with 75 Ω automatic terminal function
● SDI Output	BNC (x1), output signal amplitude: 800 mVp-p ±10%, output impedance: 75 Ω unbalanced
● Audio Monitor Output	Stereo mini jack (x1)
● Speaker (Built-in) Output	0.5 W (Monaural)
● Headphone Output	Stereo mini jack (x1)

General	
● Power Requirements	100 V to 240 V AC, 0.8 A to 0.4 A, 50/60 Hz 12 V DC, 3.4 A
● Power Consumption	Approx. 50 W (max.)
● Inrush Current	(1) Maximum possible inrush current at initial switch-on (Voltage changes caused by manual switching): 60 A peak, 0.3 A r.m.s. (240V AC) (2) Inrush current after a mains interruption of five seconds (Voltage changes caused at zero-crossing): 48 A peak, 0.2 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]	373.2 x 265.5 x 70.4 mm 373.2 x 283.5 x 171.4 (with supplied monitor feet) 373.2 x 423.9 x 269.9 mm (with SU-561 optional stand) 373.2 x 319.0 x 264.5 mm (with SU-562 optional stand) 14 3/4 x 10 1/2 x 2 7/8 inches 14 3/4 x 11 1/4 x 6 3/4 inches (with supplied monitor feet) 14 3/4 x 16 3/4 x 10 3/4 inches (with SU-561 optional stand) 14 3/4 x 12 5/8 x 10 1/2 inches (with SU-562 optional stand)
● Mass	Approx. 5.1 kg (without a monitor stand) Approx. 11 lb 4.2 oz (without a monitor stand) Approx. 5.3 kg (with supplied monitor feet) Approx. 11 lb 11 oz (with supplied feet) Approx. 6.8 kg (with monitor stand SU-562) Approx. 14 lb 16 oz (with monitor stand SU-562) Approx. 7.2 kg (with monitor stand SU-561) Approx. 15 lb 14 oz (with monitor stand SU-561)
● Supplied Accessories	AC power cord (1) AC plug holder (1) Monitor foot (2) (including 6 screws) Operating Instructions (1) CD-ROM (1) Using the CD-ROM Manual (1)
● Optional Accessories	MB-534 Mounting Bracket SU-561 Monitor Stand SU-562 Monitor Stand

Notes

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

Accessories

Control Units



BKM-16R
Monitor Control Unit

Other



SU-562
Monitor Stand

Rack Mount Kits



MB-534
Rack-mount Bracket