SONY

LMD-2041W

20-inch Wide Screen High Grade LCD Monitor

Overview

Compact, slim bezel design for flexible installation

The compact LMD-2041W 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.

High performance LCD panel

The 20-inch (1600 x 900 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-2041W also features built-in SDI (3G/HD/SD), composite, and HDMI interfaces for operational versatility.

Features

Superb picture performance and colour consistency

The 20-inch full-HD resolution (1600 x 900 pixels) 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.

Extremely wide viewing angle

IPS panel technology ensures the LMD-2041W offers exceptional horizontal and vertical viewing angles – ideal for group viewing.

Compact design for monitor-wall installation

The LMD-2041W 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-2041W 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.

Built-in input versatility

The LMD-2041W has built-in standard input interfaces: two SDI (3G/HD/SD-SDI), one HDMI and one analogue composite 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). The control panel of the LMD-2041W can be covered with a supplied control panel cover to simplify its appearance on a monitor wall.

In-Monitor Display (IMD) function for source monitoring

The LMD-2041W 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-2041W 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.

Scan mode selection

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

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

Auto white balance 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).

Specifications

Picture Performance	
Panel	a-Si TFT Active Matrix LCD
Picture Size (Diagonal)	508 mm
Picture Size (Diagonal)	20 inches
Effective Picture Size (H x V)	442.8 x 249.1 mm
Effective Picture Size (H x V)	17 1/2 x 9 7/8 inches
Resolution (H x V)	1600 x 900 pixels
Aspect	16:9
Pixel Efficiency	0.9999
Backlight	LED
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)
Parallel Remote	(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
	BNC (x1), output signal amplitude:

SDI Output	800 mVp-p ±10%, output impedance: 75 Ω unbalanced
Audio Monitor Output	Stereo mini jack (x1)
Speaker (Built-in) Output	1.0 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
Power Requirements	12 V DC, 4.4 A
Power Consumption	Approx. 66 W (max.)
Inrush Current	(1) Maximum possible inrush current at initial switch-on (Voltage changes caused by manual switching): 57 A peak, 0.3 A r.m.s. (240V AC)
Inrush Current	(2) Inrush current after a mains interruption of five seconds (Voltage changes caused at zero-crossing): 46 A peak, 0.2 A r.m.s. (240V

	AC)
Operating Temperature	0°C to 35°C (Recommended: 20°C to 30°C)
Operating Temperature	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
Storage/Transport Temperature	-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]	482.6 x 314.8 x 100.2 mm
Dimensions (W x H x D) [*1]	482.6 x 332.8 x 171.4 mm (with supplied monitor feet)
Dimensions (W x H x D) [*1]	482.6 x 452.0 x 269.9 mm (with SU-561 optional stand)

Dimensions (W x H x D) [*1]	19 x 12 1/2 x 4 inches
Dimensions (W x H x D) [*1]	19 x 13 1/8 x 6 3/4 inches (with supplied monitor feet)
Dimensions (W x H x D) [*1]	19 x 17 7/8 x 10 3/4 inches (with SU-561 optional stand)
Mass	Approx. 6.7 kg (without a monitor stand)
Mass	Approx. 14 lb 12 oz (without a monitor stand)
Mass	Approx. 6.9 kg (with supplied monitor feet)
Mass	Approx. 15 lb 3 oz (with supplied monitor feet)
Mass	Approx. 8.8 kg (with monitor stand SU-561)
Mass	Approx. 19 lb 6 oz (with monitor stand SU-561)
Supplied Accessories	AC power cord (1)
Supplied Accessories	AC plug holder (1)
Supplied Accessories	Mounting bracket (2) (including 8 screws)

Supplied Accessories	Monitor foot (2) (including 6 screws)
Supplied Accessories	Operating Instructions (1)
Supplied Accessories	CD-ROM (1)
Supplied Accessories	Using the CD-ROM Manual (1)
Optional Accessories	SU-561 Monitor Stand

Notes

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

Gallery