

LMD-2030W

Professional LCD Monitor

The monitor of choice for entry-level HD productions



With the advent of many affordable High-Definition (HD) acquisition tools, the move towards HD content has become inevitable even for moderate budget productions, such as weddings and other events.

That's why Sony has added the LMD-2030W to its LMD Series of LCD monitors, offering the optimum balance between quality and cost for entry-level HD monitoring applications.

Incorporating a 20-inch* high-resolution panel with 1680 x 1050 pixels, the LMD-2030W accepts a wide range of signals from HD to SD, in both digital and analogue. Interfaces include an HDMI interface and HD analogue component input as standard, plus an SD-SDI interface available as an option.

Combining the user-friendly design of Sony professional monitors with these features, the LMD-2030W is a perfect first step for monitoring the excitement of the HD world.

* 20.1-inch viewable area, measured diagonally.

Main Features

Input Versatility

The LMD-2030W accepts a variety of video signals – both HD and SD – digital and analogue. It supports a full range of analogue SD inputs including analogue composite NTSC and PAL, Y/C (S-Video) and 525i/625i component and RGB. The LMD-2030W also offers SD-SDI input via the optional BKM-320D SD-SDI input adaptor and HD input is available as standard via its HDMI and analogue component interface.

Input Signals/Input Interface

Video Signal Formats	Input Signal				Interface			
	Total Line	Active Line	Aspect Ratio	Frame rate*3	Composite Y/C	RGB Component	SD-SDI	HDMI
					Standard	Optional BKM-320D	Standard	
575/50i (PAL)	625	575	16:9/4:3	25	○	○	○	○
480/60i*1 (NTSC)	525	483	16:9/4:3	30	○	○	○	○
576/50P	625	576	16:9/4:3	50	—	○	—	○
480/60P	525	483	16:9/4:3	60	—	○	—	○
1080/24PsF*1	1125	1080	16:9	24	—	○*2	—	—
1080/25PsF	1125	1080	16:9	25	—	○*2	—	—
1080/24P*1	1125	1080	16:9	24	—	○*2	—	○
1080/25P	1125	1080	16:9	25	—	○*2	—	○
1080/30P*1	1125	1080	16:9	30	—	○*2	—	○
1080/50i	1125	1080	16:9	25	—	○*2	—	○
1080/60i	1125	1080	16:9	30	—	○	—	○
720/50P	750	720	16:9	50	—	○*2	—	○

*1 Compatible with 1/1.001 *2 For component *3 For component

High Picture Performance

High-purity Colour Filters

The LMD-2030W has equipped with high-purity RGB colour filters. This allows the reproduction of colours with stunning depth and saturation.

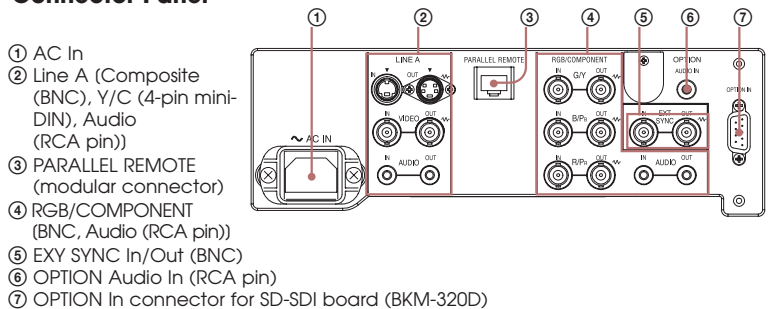
Excellent Brightness and Contrast

The LMD-2030W provides high-brightness, high-contrast images thanks to its super-wide aperture LCD panels.

Wide Viewing Angle

The LMD-2030W has provided a wide viewing angle of 178 degrees, both horizontally and vertically, and with minimal reduction in picture contrast. This allows images to be viewed from various positions and angles.

Connector Panel



SONY

Specifications

Operational Convenience

Advanced Marker Settings

The LMD-2030W 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 grey matte to fill the outer area of the aspect markers. These flexible marker controls, together with the choice of many different aspect markers, make this monitor an extremely convenient display device for a variety of shooting scenarios.

Colour Temperature Selection

The colour temperature can be selected from 'high', 'low' and a user-defined preset.

Selectable Scan Size

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

Three-colour Tally

The LMD-2030W is 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-2030W can be controlled remotely via its parallel remote connector. 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

A monaural speaker (0.5 W) enables the user to monitor audio.

Protected Controls

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

Convenient Installation

Mounting Flexibility (EIA and VESA)

The LMD-2030W (9U high) can be mounted in a 19-inch EIA standard rack using the optional MB-529 Mounting Brackets. Also, VESA (Video Electronics Standard Association) mounting holes (100 x 100 mm pitch) are offered for installation on a wall or ceiling.

Other Features

- Setup Level for Analogue Component and NTSC signals
- Blue-Only Mode
- External Sync IN

Picture Performance		
Type	A-Si TFT Active Matrix LCD	
Resolution	1680 x 1050 pixels (WSXGA+)	
Picture Size (H x W) (Viewable area) (Diagonal)	Approx. 433 x 271 mm (Approx. 17 1/8 x 10 3/4 inches) Approx. 511 mm (20.1-inch)	
Aspect	16:10	
Colours	Approx. 16,700,000	
Viewing Angle	89°/89°/89°/89° (typical) (up/down/left/right contrast>10:1)	
Input		
Line A	Composite	BNC x 1, 1.0 Vp-p ±3dB, sync 0.3 Vp-p negative
	Y/C	4-pin mini-DIN x 1 Y: 1.0Vp-p ±3 dB C: 0.286 Vp-p ±3 dB (NTSC), 0.3 Vp-p ±3 dB (PAL), sync 0.3 Vp-p negative
RGB/Component	Audio in	RCA pin x 1, -5 dBu 47 kΩ or higher
	RGB/Component	BNC x 3, 0.7 Vp-p ±3 dB (Sync on Green 0.3 Vp-p, negative: RGB) (75% chrominance standard colour bar signal: Component)
Option	Audio in	RCA pin x 1, -5 dBu 47 kΩ or higher
	D1-SDI	D-sub 9-pin x 1
External Sync	Audio in	AUDIO input (RCA pin x1), -5 dBu 47 kΩ or higher
	HDMI input	HDMI x 1
Remote	Parallel remote	Modular connector 8-pin x1
Output		
Line A	Composite	BNC x 1, Loop-through, with 75 Ω automatic termination
	Y/C	DIN 4 pin x 1, Loop-through, with 75 Ω automatic termination
RGB/Component	Audio out	RCA pin x1, Loop-through
	RGB/Component	BNC x3, Loop-through, with 75 Ω automatic termination
External Sync	Audio out	RCA pin x 1, Loop-through
	HDMI input	BNC x1, Loop-through, with 75 Ω automatic terminal function
Remote	Parallel remote	Built-in speaker output 0.5 W (mono)
General		
Power Consumption	Approx. 72 W	
Power Requirement	AC100 to 240V, 50/60 Hz	
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)	Dimension	Approx. 493 x 408 x 264 mm (19 1/2 x 16 1/8 x 10 1/2 inches)
	Dimension without stand	Approx. 493 x 361 x 87 mm (19 1/2 x 14 1/4 x 3 1/2 inches)
Mass	Panel & Stand	Approx. 9.6 kg (212 lb 3 oz)
	Panel only	Approx. 7.9 kg (17 lb 6 oz)
Supplied Accessories	Display Stand, AC power cord, AC plug holder, Operating Instructions, CD-ROM, Using the CD-ROM Manual, Warranty Card	

Optional Accessories

BKM-320D
SD-SDI Input Adaptor

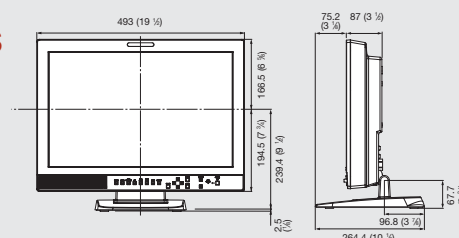


MB-529
Mounting Bracket



Dimensions

Unit: mm (inches)



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CA LMD-2030W/GB- / /2007

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