

The monitor of choice for entry-level HD productions – the LUMA™ Series LMD-2030W

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.

Ever conscious of this trend, Sony adds the LMD-2030W to its LUMA 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 analog. Interfaces include an HDMI interface and HD analog 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.



LUMA
Sony Professional LCD Monitor

Main Features

Input Versatility

The LMD-2030W accepts a variety of video signals both HD and SD, digital and analog. It supports a full range of analog SD inputs including analog 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 analog component interface.

Input Signal/Interface

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

*1 The frame rate is also compatible with 1/1.001 frame rates.

*2 Component signals only.

High Picture Performance

High-purity Color Filters

The LMD-2030W is equipped with high-purity RGB color filters, allowing the reproduction of colors with stunning depth and saturation.

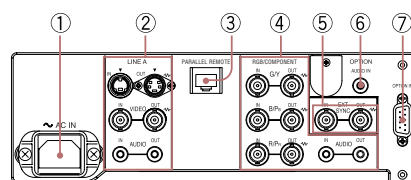
Excellent Brightness and Contrast

The LMD-2030W provides high-brightness, high-contrast images by utilizing super-wide aperture LCD panels.

Wide Viewing Angle

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

Connector Panel



- ① AC In
- ② Line A [Composite (BNC), Y/C (4-pin mini-DIN), Audio (RCA pin)]
- ③ PARALLEL REMOTE (modular connector)
- ④ RGB/COMPONENT [BNC, Audio (RCA pin)]
- ⑤ EXY SYNC In/Out (BNC)
- ⑥ OPTION Audio In (RCA pin)
- ⑦ OPTION In connector for SD-SDI board (BKM-320D)

Operational Convenience

Advanced Marker Settings

The LMD-2030W can display various area markers, including a center marker and aspect markers. The brightness of these markers can be selected from three different levels: white, gray, and dark gray. 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 this monitor an extremely convenient display device for a variety of shooting scenarios.

Marker Variation

	16:9 Mode	4:3 Mode
Aspect Marker	4:3	16:9
Center Marker	○	

Color Temperature Selection

The color 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-color 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 color - 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 Analog Component and NTSC signals
- Blue-Only Mode
- External Sync IN

Optional Accessories



BKM-320D
SD-SDI Input Adaptor

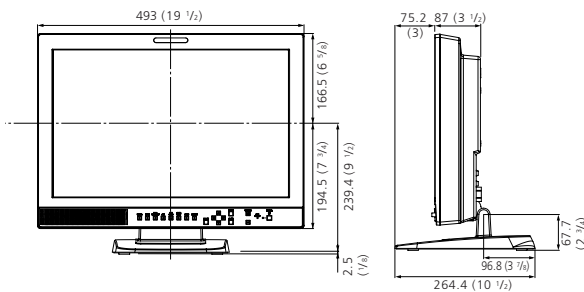


MB-529
Mounting Bracket

Specifications

Picture Performance		
Type	A-Si TFT Active Matrix LCD	
Resolution	1680 x 1050 pixels (WSXGA+)	
Picture Size (H x W) (Viewable area)	Approx. 433 x 271 mm (Approx. 17 1/8 x 10 3/4 inches)	
(Diagonal)	Approx. 511 mm (20.1-inch)	
Aspect	16:10	
Colors	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
	Audio in	C: 0.286 Vp-p ±3 dB (NTSC), 0.3 Vp-p ±3 dB (PAL), sync 0.3 Vp-p negative
	Audio in	RCA pin x 1, -5 dBu 47 kΩ or higher
RGB/Component	RGB/Component	BNC x 3, 0.7 Vp-p ±3 dB (Sync on Green 0.3 Vp-p, negative: RGB) (75% chrominance standard color bar signal: Component)
	Audio in	RCA pin x 1, -5 dBu 47 kΩ or higher
Option	D1-SDI	D-sub 9-pin x 1
	Audio in	AUDIO input (RCA pin x1), -5 dBu 47 kΩ or higher
External Sync		BNC x1, 0.3 to 4 Vp-p negative polarity binary
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
	Audio out	RCA pin x1, Loop-through
RGB/Component	RGB/Component	BNC x3, Loop-through, with 75 Ω automatic termination
	Audio out	RCA pin x 1, Loop-through
External Sync		BNC x1, Loop-through, with 75 Ω automatic terminal function
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 (21.2 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

Dimensions



Unit: mm (inches)

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