



## LMD-2030W

20-inch Widescreen HDMI-equipped Entry-level LCD Monitor

### 20-inch Widescreen Multi-format Professional LCD Monitor



The new LMD-2030W is an elegant 20-inch widescreen LCD monitor designed to complement the Sony High Definition Video (HDV) product range. LCD displays are increasingly replacing CRT monitors in the commercial arena due to their increased operational flexibility and lower total cost of ownership. Equipped with a HDMI interface as standard, this new entry-level monitor is an ideal match for professional and semi-professional high-definition applications.

The new model retains all the advanced features of its market-leading predecessor - the standard definition LMD-2010/2020 - but it now incorporates an enhanced resolution 1680x1050 WSXGA+ widescreen LCD panel and HDMI socket. Displaying high brightness and high contrast images, it also offers a superior viewing angle of 178 degrees.

The LMD-2030W wins hands-down in terms of breadth of operation and performance when compared to standard PC monitors: - video image reproduction is far superior due to its moving picture optimisation circuitry and colour temperature and Gamma control. The new model also offers a wide range of video interfaces including composite, Y/C, and component / RGB, all with professional BNC connectors. And it doesn't end there - it also incorporates many studio-based features found in mid and high-end broadcast Sony monitors - a boon for professional users.

Slim and lightweight, the LMD-2030W also offers outstanding installation flexibility. It has a table stand and VESA mount as standard enabling it to be easily placed on a desktop, in a monitor wall or on a ceiling.

Entirely at home in many professional environments, the LMD-2030W truly redefines high performance in the entry-level sector.

### Features

#### New High Definition 1680x1050 WSXGA+ LCD Panel

Delivers outstandingly crisp, high brightness and high contrast widescreen HD images with a fast transient response.

#### Accurate Standard Definition Video Reproduction

In addition to HD, the LMD-2030W provides outstandingly high-quality 4:3 aspect ratio analogue and digital signal displays.

#### New 178 Degree Viewing Angle

Class-leading horizontal and vertical viewing angle - ideal for group viewing.

#### Multi-Format Signal Support

Includes NTSC, PAL, component, RGB, Y/C, 480/60i, 575/50i, 480/60p, 576/50p, 1080/50i, 1080/60i, 720/50p, 720/60p, 1080/24psf, 1080/25psf, 1080/24p, 1080/25p and 1080/30p. The LMD-2030W also accepts standard definition digital signals with an optional SD-SDI input adaptor.

### HDMI input for High Definition Display

Increasingly an interface of choice.

### Colour Temperature Adjustment

D65, D93 or user presets can be selected.

### CRT-like Gamma Curve

For accurate greyscale performance.

### Selectable Scan Size and Aspect Ratio

Over-scan and Under-scan is available and aspect ratio can be switched between 16:9 and 4:3.

### Three Colour Tally

The tally lamp can be lit via a parallel remote connector and status identified by three colours: red, green or amber.

### Video Markers

Equipped with a central marker plus 4:3 and 16:9 markers for Over-scan and Under-scan display.

### Remote Control

Via a programmable remote interface.

### Stereo Audio Monitoring

The LMD-2030W is equipped with stereo speakers.

### VESA Mounting Standard

Desktop or simple wall / ceiling mounting.

### Can be 19" Rack Mounted

With optional MB-529 fixing kit.

## Benefits

### Suitable for a Wide Range of Applications

Ideal for:

- BROADCAST (high-end office monitoring, etc.)
- POST-PRODUCTION (entry-level multi-format & HD editing consoles)
- CORPORATE / EDUCATION (entry-level multi-format & HD use)
- HD / SD VIDEOGRAPHY
- GRAPHIC DESIGN

### Cost-Effective Feature-Rich Performance

The LMD-2030W offers professional functionality in an economic package. Optimised for moving picture reproduction, it delivers accurate colour rendition and grey-scale - thanks to its CRT-like gamma curve. And it sports a wide range of video interfaces and professional features allowing confident video signal evaluation.

### Superb High Resolution Display

Widescreen 1680x1050 LCD panel delivers outstandingly sharp high brightness and contrast pictures

### Perfect for Group Viewing

An ultra-wide viewing angle of 178 degrees makes this no problem at all

### Comprehensive High-Definition Capability via HDMI input

HDMI offers access to uncompressed digital video and audio signals. The range of applications using these connectors is expanding and HDMI is increasingly being employed instead of the analogue SCART connection.

### Future Proof

Multi-format and HDMI capability ensures that the LMD-2030W remains current.

### Consistently Optimal Picture Performance

Less 'drift' than CRT displays, with no convergence, geometry or linearity issues, and no susceptibility to magnetic fields.

### Exceptionally Versatile

Equally suited to AV or IT-based applications due to a broad range of inputs and multi-format signal capabilities.

### Easier to Install and Accommodate than CRT

Space saving / lightweight / low heat output.

### Low Maintenance

No routine convergence, geometry or purity adjustments necessary. No susceptibility to magnetic fields.

### Reduced Operator Fatigue

Flicker-free picture is more comfortable to view and reduces eye-strain.

**Lower Total Cost of Ownership than CRT**

- Simpler and cheaper to install, transport and store.
- Long operational life / high reliability.
- Low energy bills.
- Low maintenance cost.
- Reduced environmental disposal costs.

**Technical Specifications**

**--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 ohms 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 kohms or higher D1-SDI D-sub 9-pin x 1
External Sync	Audio in AUDIO input (RCA pin x1), -5 dBu 47 kohms or higher
HDMI input	BNC x1, 0.3 to 4 Vp-p negative polarity binary HDMI x 1
Remote	Parallel remote Modular connector 8-pin x1

**--Output--**

Line A	Composite BNC x 1, Loop-through, with 75 ohms automatic termination
	Y/C DIN 4 pin x 1, Loop-through, with 75 ohms automatic termination
RGB/Component	Audio out RCA pin x1, Loop-through RGB/Component BNC x3, Loop-through, with 75 ohms automatic termination
External Sync	Audio out BNC x1, Loop-through, with 75 ohms automatic terminal function
Built-in speaker output	BNC x1, Loop-through, with 75 ohms automatic terminal function 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 inch)
Mass	Dimension without stand Approx. 493 x 361 x 87mm (19 1/2 x 14 1/4 x 3 1/2 inch)
	Panel & Stand Approx. 9.6 kg (212 lb 3 oz)
	Panel only Approx. 7.9 kg (17 lb 6 oz)

## Accessories

### Rack Mount Kits



**MB-529**

Rack-Mount Bracket

### Option Boards



**BKM-320D**

SDI 4:2:2 Input adaptor