

The LMD-9030 is a new addition to the 8.4-inch\* handheld-type LUMA Professional LCD Monitors. Including SD-SDI capability as standard, the LMD-9030 offers the performance to replace CRT monitors with the quality expected from the PVM-9L3 range.

The LCD panel of the LMD-9030 offers high resolution and excellent color reproduction, combined with high contrast and high brightness. This monitor also has a wide viewing angle, plus a high level of robustness thanks to its AR-coated protection panel.

The LMD-9030 can be AC, DC, or battery powered. And, with its slim design and half-rack size width, the LMD-9030 can be conveniently used on a lap, desktop, or mounted in a rack for ENG and EFP operations, as well as in mobile applications and studios. The LMD-9030 also offers the familiar operational features inherited from the Sony PVM Series of CRT monitors.

The combination of all these features allows the LMD-9030 to offer exceptional value for mobile monitoring in a variety of broadcast and production applications.

\* Viewable area, measured diagonally



## Features

### Input Versatility

In addition to a variety of analog inputs, the LMD-9030 offers an SD-SDI interface\* as standard. For typical analog SD video monitoring, composite (NTSC/PAL), component/RGB (525/60i and 625/50i), and Y/C (S-Video) signals are accepted. The LMD-9030 also accepts a variety of analog progressive SD and HD formats, including 480/60P and 576/50P, and high-definition 1080/60i, 1080/50i, 720/50P and 720/60P. It can also accept 1080/24PsF.

\* 575/50i, 480/60i, and 480/59.94i only

### High Picture Quality – High Purity Panel

The LMD-9030 uses a VGA (640 x 480) resolution LCD panel, with high purity color filters. The result is high-brightness and high-contrast images with precise color reproduction. Also, the LMD-9030 provides a wide 170-degree viewing angle, both vertically and horizontally.

In addition, its robust AR-coated protection layer minimizes the chance of the panel being scratched during transportation – an extremely important criteria for use in the field or in any mobile application.

### ENG KIT

The LMD-9030 is a strategic choice for use in ENG and EFP field operations. When compared to CRT displays, the picture contrast of these monitors is much less affected by ambient light, allowing clear images to be viewed even under strong sunlight. For further protection, the optional VF-509 ENG kit provides a viewing hood, carrying handle, and connector protector.

### Convenient Installation

The LMD-9030 is 5U high and half-rack wide. Using the optional MB-525 Mounting Bracket with a nine-step tilt capability, two units can be installed side-by-side in a 19-inch EIA standard rack.

### Other Features

- 4:3/16:9 Switchable Display
- Selectable Scan Size
- Advanced Marker Settings
- Color Temperature/Gamma Selection
- Three-color Tally
- Parallel Remote Control
- Monaural Audio Monitoring
- Protected Controls
- Setup Level for Analog Component and NTSC signal
- Sub Control on Contrast, Chroma, Phase, and Brightness
- Blue-only mode
- Monochrome mode
- Power-saving Function
- 4:3 Zoom

### Input Signals

	Input Signal				Standard Interface		
	System	Total Lines	Active Line	Aspect Ratio	Composite Y/C (x 1)	RGB Component (x 1)	SD-SDI
LMD-9030	575/50i	625	575	16:9/4:3	○	○	○
	480/60i*	525	483	16:9/4:3	○	○	○
	480/60P	525	483	16:9/4:3	—	○	—
	576/50P	625	576	16:9/4:3	—	○	—
	1080/24PsF	1125	1080	16:9	—	○	—
	1080/50i	1125	1080	16:9	—	○	—
	1035/60i*	1125	1035	16:9	—	○	—
	1080/60i*	1125	1080	16:9	—	○	—
	720/50P	750	720	16:9	—	○	—
720/60P	750	720	16:9	—	○	—	

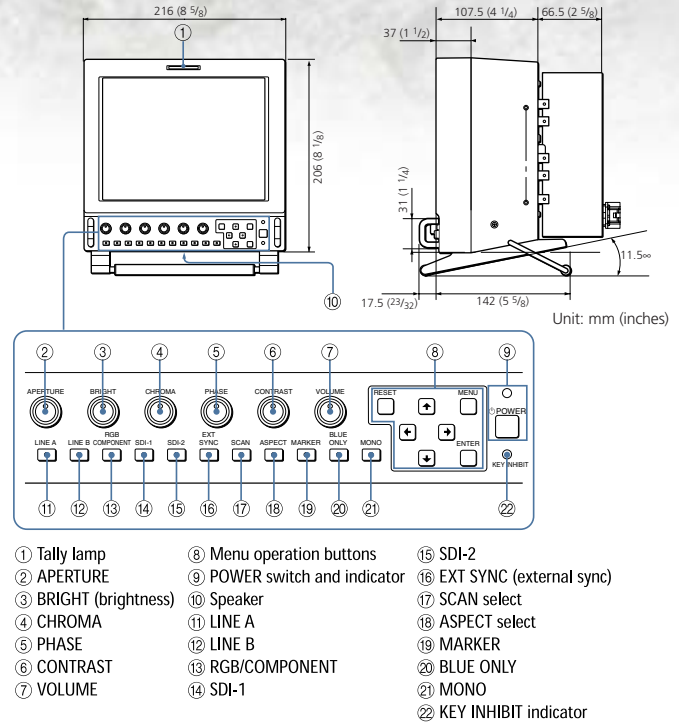
\* Also accepts 59.94Hz field rate.

# Specifications

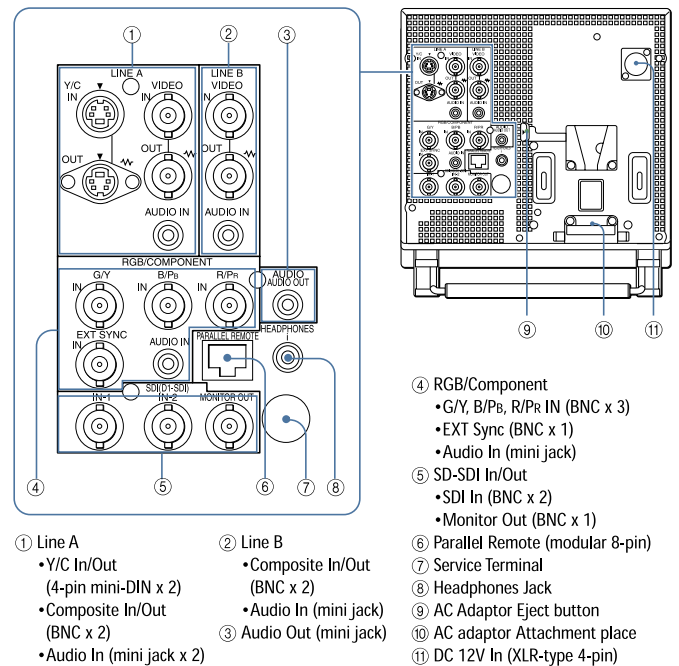
## LMD-9030

Picture Performance		
Type	a-Si TFT Active Matrix LCD with a multi-layer AR-coated protection panel	
Resolution	640 x 680 dots	
Pixel efficiency	99.99%	
Picture Size (H x W), (Viewable area) (Diagonal)	Approx. 170.9 x 128.2 mm, (Approx. 6 3/4 x 5 1/8 inches)	
Aspect	4:3	
Colors	16,770,000 colors	
Viewing Angle	85°/85°/85°/85° (typical) (up/down/left/right contrast>10:1)	
Input		
Line A	Composite	BNC x 1, 1.0 Vp-p +3dB, -6 dB sync negative
	Y/C	4-pin mini-DIN x 1 Y : 1.0 Vp-p + 3dB, -6 dB sync negative C : 0.286 Vp-p ±3 dB (NTSC), 0.3 Vp-p ±3 dB (PAL)
	Audio	Mini jack x 1, -5 dBu 47 kΩ or higher
Line B	Composite	BNC x 1, 1.0 Vp-p +3 dB, -6 dB sync negative
	Audio	Mini jack x 1, -5 dBu 47 kΩ or higher
RGB/Component	RGB/Component	BNC x 3, RGB input : 0.7 Vp-p +3 dB, -6 dB (Sync On Green, 0.3 Vp-p sync negative) Component input : 0.7 Vp-p +3 dB, -6 dB (75% chrominance standard color bar signal)
	Audio	Mini jack x 1, -5 dBu 47 kΩ or higher
Ext.sync		BNC x 1, 0.3 to 4 Vp-p ± bipolarity ternary or negative polarity binary
D1-SDI		BNC x 2, Sampling frequency :Y/R-Y/B-Y 13.5 MHz, Quantization 10 bits/sample
Remote	Parallel remote	Modular connector 8-pin x 1(Assignable)
Output		
Line A	Composite	BNC x 1, Loop-through, with 75 Ω automatic termination
	Y/C	4-pin mini-DIN x 1, Loop-through, with 75 Ω automatic termination
Line B	Composite	BNC x 1, Loop-through, with 75 Ω automatic termination
D1-SDI Monitor output		BNC x 1, Output signal amplitude : 800 mVp-p ±10%, Output impedance : 75 Ω unbalanced
Audio output		Mini jack x 1, Loop-through
Headphones output		Mini jack x 1(Monaural), Loop-through
Speaker output		0.5 W (Monaural)
General		
Power Consumption	Approx. 16 W, With AC Adaptor : Approx. 22 W	
Power requirement	AC 100 to 240 V, 50/60 Hz, 0.82 to 0.42 A, DC 12 V 1.6 A, Rechargeable Battery Pack	
Operating Temperature	0 to 40 °C	
Operating Humidity	30 to 85 % (No condensation)	
Operating/Storage/Trans. Pressure	700 to 1060 hPa	
Storage & Transport Temperature	-20 to 60 °C	
Storage & Transport Humidity	0 to 90 %	
Dimensions (W x H x D)	Approx. 216 x 206 x 136.1 mm (8 5/8 x 8 1/8 x 5 3/8 inches)	
	Dimension with the supplied stand	Approx. 216 x 230 x 159.5 mm (8 5/8 x 9 1/8 x 6 3/8 inches)
	Dimension with the supplied stand and AC adaptor	Approx. 216 x 230 x 210 mm (8 5/8 x 9 1/8 x 8 3/8 inches)
Mass	Approx. 2.9 Kg (6 lb 6 oz)	
	With the supplied stand	Approx. 3.1 Kg (6 lb 13 oz)
	With the supplied stand and AC adaptor	Approx. 3.8 Kg (8 lb 6 oz)
Supplied Accessories	AC adaptor (1), AC Cord (1), AC plug holder (1), Operating instructions (1), CD-ROM (1), Warranty card (1), Using the CD-ROM Manual (1)	

# Dimensions & Control Panel



# Connector Panel



# Optional Accessories

- **MB-525** Mounting Bracket
- **VF-509** ENG Kit (Viewing Hood, Carrying Handle and Connector Protector)
- **BP-GL95/BP-GL65** Rechargeable Lithium-ion Battery Pack
- **BP-L60S** Lithium-ion Battery Pack
- **BC-L70** Lithium-ion Battery Charger

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