# SONY



LMD-2735MD LMD-2435MD LCD Monitors



\* Measured diagonally

The Sony LMD-2735MD and LMD-2435MD are intended for viewing 2D color video displays of images from surgical endoscopic/laparoscopic camera systems and other compatible medical imaging systems. Both of these LCD monitors are suitable for use in hospital operating rooms, surgical centers, clinics, doctor's offices and similar medical environments.

# **High Picture Quality**

#### Bright Full HD Resolution (1920 x 1080)

With a resolution of 1920 x 1080, the 27-inch or 24-inch Full HD display offer clear and bright 2D color video images.

#### Variety of Inputs from Video to HD/SD-SDI

The LMD-2735MD and LMD-2435MD are equipped with Video, S Video and HD-15 inputs, in addition to DVI-D and SDI.



### Compact and Stylish Design

#### **Narrow Bezel**

The narrow bezel achieves a wider display area, despite the compact body.

#### **Ergonomic Design**

The easy-to-hold ergonomic design enables you to adjust the monitor position easily.



#### **VESA Mounting**

The VESA-mounting standard (100 x 100 mm) enables these monitors to be used in a variety of medical installations.



# Easy to Install & Use

# Intuitively Operable Control Panel with LED Lighting Navigation

LED navigated operation enables easy setting, even in dark environments. The user can assign CUSTOM buttons (1 - 3) to commonly used functions.



#### Fan-less Design for Clean and Silent Operation

The fan-less design enables silent operation and less air circulation.

#### Installation Flexibility via Direct AC in or AC Adapter\*

System integrator can select from two types of power-supplies to meet each environment.

\* The AC-120MD AC adaptor is sold separately

#### Compliance with Standards\*

These monitors are certified to IEC 60601-1 and standards applicable in various countries and economic regions including Canada, Europe, and the USA.

\* For more details on compliance issues, please contact your nearest Sony office or an authorized dealer.

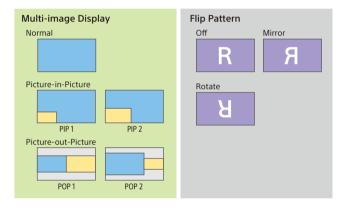
#### Edge-to-edge Flush Surfaced Design for Easy Cleaning

The flush surface allows you to easily wipe liquids and gels off the LCD panel and control buttons, facilitating cleanliness and disinfection.



#### Variety of Display Modes

A variety of display modes – including Mirror Image, Side-by-Side, Picture-in-Picture, and Picture-out-Picture – can be selected easily by simply pressing buttons.



#### **Front Panel Connector Panel** PINPOP SINAP CUSTO • **E**pon ۲ ۲ . Ŷ ക 08 1 Power indicator **5** Multi-image display setting buttons (Equipotential) terminal **7** SDI input connector (BNC type) 2 CONTROL button 6 Input select buttons (AC input) connector 8 HD15 input connector (D-sub 15-pin, female) 3 Sony AC-120MD (DC input) connector **3** OSD menu operation buttons (ON/STANBY) switch OVI-D input/output connector (DVI-D) 4 CUSTOM buttons (1,2,3) 4 5 V 2.0 A (DC output) connector 10 VIDEO input connector (BNC type) **5** SERIAL REMOTE connector (RJ-45) S-VIDEO input connector (4-pin mini-DIN) 6 SERIAL REMOTE RS-232C connector (D-sub 9-pin, female)

# **Specifications**

	LMD-2735MD	LMD-2435MD
Picture Performance		
Panel	a-Si TFT Active Matrix LCD	
Picture Size (Diagonal)	686 mm (27 1/8 inches)	604.7 mm (23 7/8 inches)
Effective Picture Size (H x V)	597.9 x 336.3 mm (23 5/8 x 13 1/4 inches)	527.0 x 296.5 mm (20 3/4 x 11 3/4 inche
Pixel pitch	0.3114 x 0.3114 mm	0.2745 x 0.2745 mm
Resolution (H x V)	1920 x 1080 pixels (Full HD)	
Aspect	16:9	
Pixel Efficiency	0.9999	
Backlight	LED	
Panel Technology	LCD with IPS	
Luminance (Panel Specification)	300 cd/m² (typical)	
Contrast Ratio	1000 : 1	
Colors	Approx.16.7 million colors	
Viewing Angle (Panel Specification)	89°/89°/89°/89° (typical) (up/down/left/right contrast > 10:1)	
Gamma	1.8, 2.0, 2.2, 2.4, 2.6, DICOM	
Input		
Composite Input	BNC (x1)	
Y/C Input	Mini-DN 4-pin (x1) Y: 1.0 Vp-p (75 Ω) C: 0.286 Vp-p (75 Ω, NTSC burst) 0.3 Vp-p (75 Ω, PAL burst)	
RGB, Component Input	RGB: Via HD-15 connector (D-sub 15-pin) * 0.7 Vp-p (75 Ω) (when Sync On Green, 0.3 Vp-p sync) Component: Via HD-15 connector (D-sub 15-pin) * Y: 1.0 Vp-p (75 Ω) (including 0.3 Vp-p sync) Pb: 0.7 Vp-p (75 Ω), Pr. 0.7 Vp-p (75 Ω)	
DVI-D Input	DVI-D (x1) TMDS single link	
SDI Input	BNC (x1) HD/SD-SDI	
HD15 Input	D-sub 15-pin (x1) RGB: 0.7 Vp-p (75 Q) H/V Sync: Total level (polarity free) Plug & Play function : corresponds to DDC2B	
External Sync Input	Via HD-15 connector (D-sub 15-pin) * 0.3 Vp-p to 4.0 Vp-p (75 Ω)	
Serial Remote	D-sub 9-pin (RS-232C) (x1), RJ-45 (x1) (Ethernet, 10BASE-T/100BASE-TX)	
DC Input	XLR-type 3-pin (male) (x1), 24 V DC (output impedance 0.05 ohms or less)	
Output		
DVI-D Output	DVI-D (x1)	
DC 5 V Output	(x1), up to 2.0 A	
General	·	
Power Requirements	100-240 V, 50-60 Hz, 0.6 - 0.3 A - DC Input: 24 V, 2.2 A (Supplied from AC adaptor) AC adaptor (Sony, AC-120MD): Optional - AC Input: 100 - 240 V, 50/60 Hz, 0.6 - 0.3A - DC Output: 24 V 2.2 A	
Power Consumption	Approx. 57 W (max.)	
Operating Temperature	0°C to 35°C (32°F to 95°F)	
Operating Humidity	30% to 85% (no condensation)	
Storage/Transport Temperature	-20°C to +60°C (-4°F to +140°F)	
Storage/Transport Humidity	20% to 90%	
Operating/Storage/ Transport Pressure	700 hPa to 1060 hPa	
Dimensions (W x H x D) **	660 x 427 x 78 mm (26 x 16 7/8 x 3 1/8 inches) 660 x 509 x 319 mm (26 x 20 1/8 x 12 5/8 inches) (with SU-600MD optional stand)	572 x 376 x 78 mm (22 5/8 x 14 7/8 x 3 1/8 inches) 572 x 481 x 319 mm (22 5/8 x 19 x 12 5/8 inches) (with SU-600MD optional stand)
Mass	Approx. 8.7 kg (Approx. 19 lb 2.9 oz)	Approx. 6.7 kg (Approx. 14 lb 12 oz)
Mounting	100 x 100 mm VESA	
Supplied Accessories	AC plug holder (2), Before Using This Unit (1), CD-ROM (1), Service Contact List (1)	
	SU-600MD Monitor stand, SMF-405 Signal cable, AC-120MD AC Adaptor	

\* Needs SMF-405 sold separately. \*\* The values for dimensions are approximate.

Distributed by

# Dimensions

#### LMD-2735MD

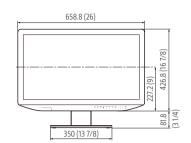
#### Front

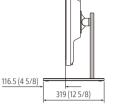
When an optional stand SU-600MD is attached

#### Side



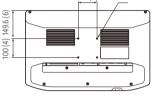
28.8 (1 3/16)





Unit: mm (inches)

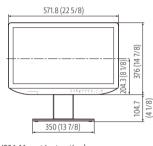
Rear (VESA Mount Instruction) 100 (4) M4

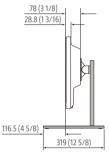


When an optional stand SU-600MD is attached

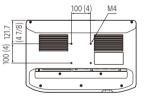
LMD-2435MD Front

Side When an optional stand SU-600MD is attached





Rear (VESA Mount Instruction)



Unit: mm (inches)

# **Optional Accessories**



AC-120MD AC-adaptor

SMF-405 RGB/HD-15 Signal Cable

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Monitor Stand

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Features and specifications are subject to change without notice.

The values for mass and dimension are approximate.

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