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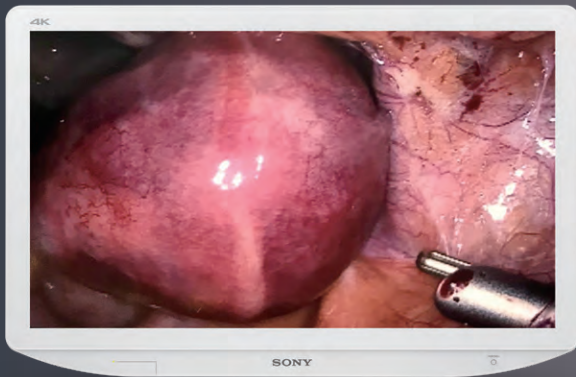
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Prepare the O.R. for the 4K digital future



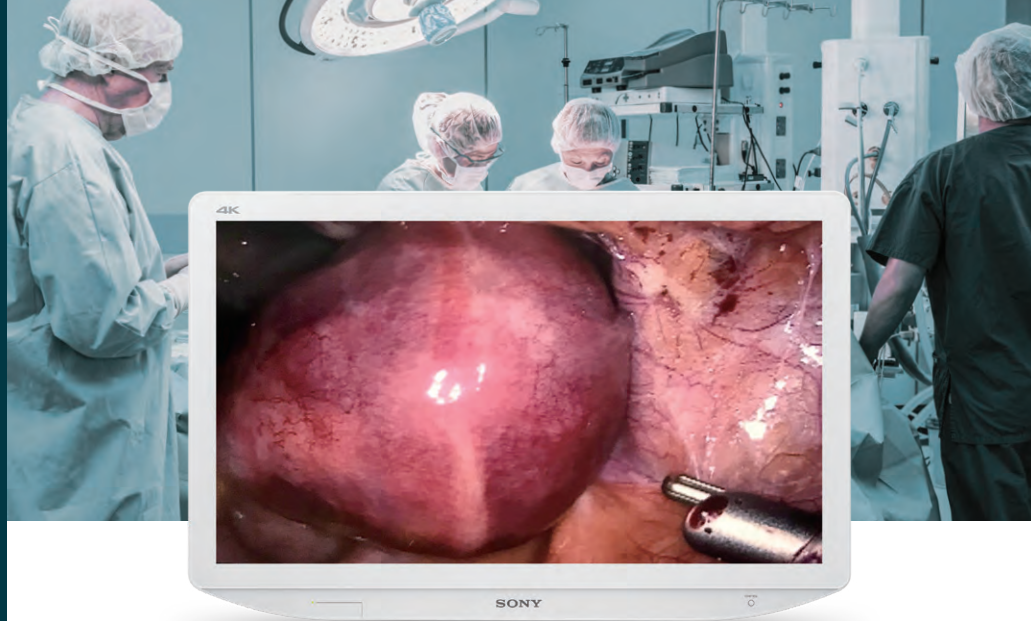
4K Ultra HD 27-inch*
Medical Monitors

LMD-X2705MD/X2700MD

O.R. images meet the 4K digital age.

Sony's latest generation of medical monitors demonstrate the amazing clarity and detail that 4K imaging brings to the O.R. These value-priced, 27-inch* 4K Ultra HD medical monitors are built to the industry-standard footprint enabling you to easily upgrade your current HD monitors. Featuring a wide range of signal inputs including display port, HDMI, DVI and available 3G/HD/SD/-SDI, these displays are compatible with various modalities and OR integration environments.

These monitors produce sharp, natural 4K images, allowing surgeons to view images from surgical endoscopes, laparoscopic camera systems and other compatible medical imaging systems with rich detail and vivid color. 4K-picture quality is enhanced further by HDR gamma support and a wide color gamut for clear viewing of fine details and subtle tonal differences. Thanks to Sony's unique upscaling technology, HD resolution signals are automatically upscaled to 4K resolution with four times the pixel count of full HD. HD system customers who invest in 4K displays achieve improved image quality and will be prepared to eventually upgrade to a 4K system.



Unprecedented picture quality

4K Ultra HD Resolution

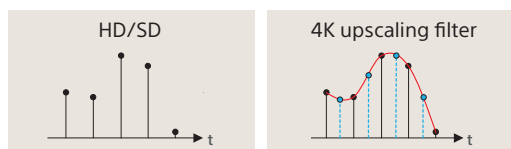
The 27-inch* monitors display 4K images with four times the detail of Full HD.

*Viewable area, measured diagonally.



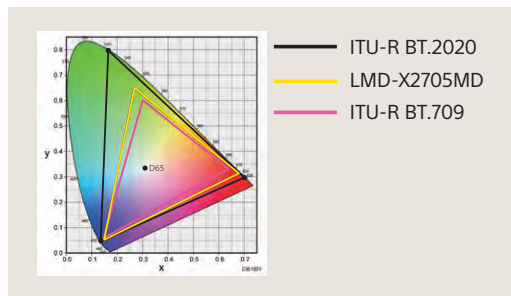
HD/SD to 4K Upscaling

Produces a sharp, natural 4K image, even when HD/SD images are upscaled to 4K.



Wide Color Gamut

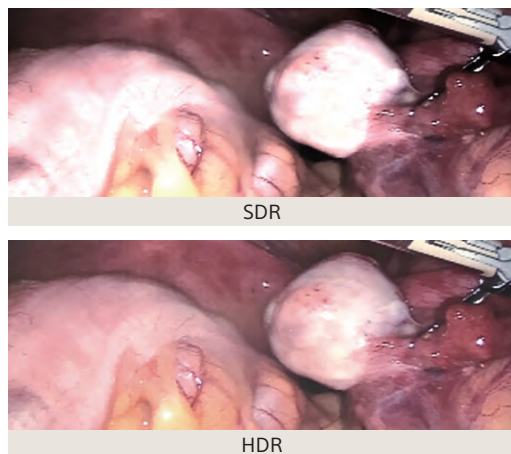
The LCD panel and signal processing technology provide a wide color gamut, which complies with ITU-R Recommendation BT.2020 with a wider color gamut than the BT.709 color gamut.



High Dynamic Range (HDR)

HDR technology produces images with a wide range of brightness levels, dramatic contrasts and rich colors.

To support HDR, the monitors offer HLG (Hybrid Log-Gamma) technology, which can be activated by selecting "HLG" in the monitor's "gamma setting mode" when receiving HLG signals from an HDR-compatible imaging system.

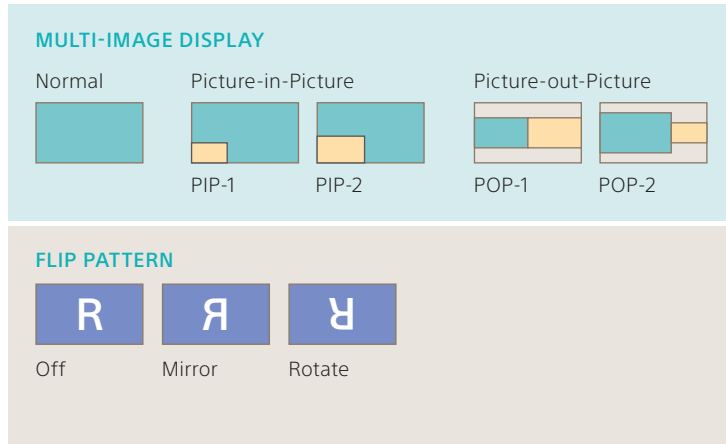


Simulated images

Intuitive operation

Variety of Display Modes

Can quickly and easily display images in a variety of display modes from multiple menu sources, including flip and mirror patterns.



LED Control Panel

The intuitive, easy-to-use control panel simplifies operation, while the LED backlighting helps illuminate operation in dimly lit environments. Commonly used functions can be assigned up to three custom buttons for easy access.

Auto Signal-Detect and Fail-Safe Modes

Provides two modes for auto input selection: Mode 1 enables the monitor to automatically accept input without any requirement to select input; Mode 2 is for failsafe operation in the event that input signals are accidentally interrupted, which means the monitor can automatically switch to a backup input if no signal input is detected.

Same footprint with 4x the clarity

Made to Fit

The monitors are built to the standard 26-inch range yet offer a larger, 27-inch* screen, so they fit on existing surgical carts and boom arms.



*Viewable area, measured diagonally.

Easy installation

Convenient Cabling

All the connectors face downward, allowing for easy and organized cable connection. Also, the cables can be pulled in both upward and downward directions to accommodate various installation needs.



Flexible Installation

To suit different installation environments, these monitors accept two types of power supply: AC input and DC input using an AC adaptor.**

** The AC-300MD AC adaptor is sold separately.

VESA Mounting

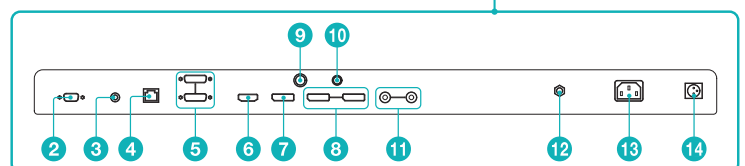
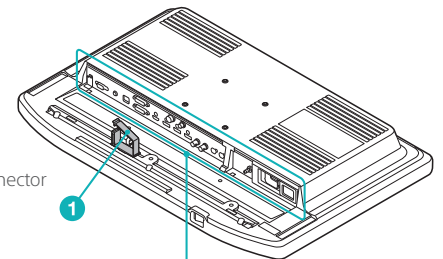
The VESA-mounting standard (100 x 100 mm) enables these devices to be used in a variety of medical installations including cart or boom-mounted articulating arms.

Compact, Flat-Surface Design

The ergonomic design facilitates easy adjustment of the monitor position, and the screen's narrow bezel achieves a wider display area, even within the compact frame. In addition, the flat surface allows you to easily wipe liquids and gels from the LCD panel and control buttons, enabling cleanliness and disinfection.

Various inputs of and outputs are available to meet a wide variety of user needs: DP, HDMI and DVI (both models) as well as 3G/HD/SD-SDI on the LMD-X2705MD.

- 1 Cable clamp
- 2 SERIAL REMOTE RS-232C connector (D-sub 9-pin, female)
- 3 REMOTE connector (Stereo mini jack)
- 4 SERIAL REMOTE connector (RJ-45)
- 5 DVI-D input/output connector (DVI-D)
- 6 HDMI input connector
- 7 DP1 (Display Port 1) input connector
- 8 DP2 (Display Port 2) input/output connector
- 9 12 V 2.5 A (DC output) connector
- 10 5 V 2.0 A (DC output) connector
- 11 3G/HD/SD-SDI input/output connector (BNC-type) (LMD-X2705MD only)
- 12 Equipotential terminal
- 13 AC input connector
- 14 DC input connector



Specifications

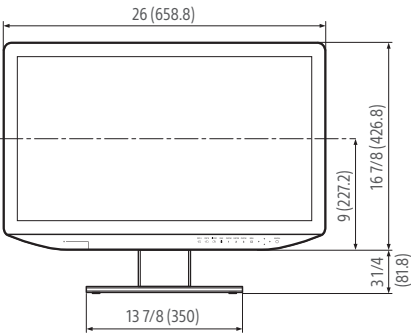
LMD-X2705MD		LMD-X2700MD	
Picture Performance			
LCD Panel	a-Si TFT Active Matrix		
Picture Size (Diagonal)	26.93 inches (684 mm)		
Effective Picture Size	23 1/2 x 13 1/4, 27 inches (w/h, dia) (596.2 x 335.3, 684.0 mm)		
Pixel Pitch	0.15525 x 0.15525 mm		
Resolution	H 3,840 dots, V 2,160 lines		
Aspect Ratio	16:9		
Pixel Efficiency	99.99%		
Luminance (Panel Specification)	800 cd/m ² (typical)		
Contrast Ratio	1000:1		
Colors	Approx.1.07 billion 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, HLG		
Input			
HDMI Input	HDMI connector (x1) HDMI 2.0b, HDCP1.4 correspondence		
DVI-D Input	DVI-D connector (x1) TMDS single link		
SDI Input	3G/HD/SD-SDI connector BNC type (x1)	-	
Display Port	Display Port connector (x2) 1.2, SST, HDCP1.3 correspondence		
Serial Remote (LAN)	D-sub 9-pin (RS-232C) (x1) RJ-45 modular connector (ETHERNET) (x1)		
Remote	Stereo mini jack (x1)		
AC Input	AC input connector (x1) 100 V to 240 V, 50/60 Hz		
DC Input	DC input connector (x1) DC 26 V		
Output			
DVI-D Output	DVI-D connector (x1)		
SDI Output	3G/HD/SD-SDI connector BNC type (x1)	-	
Display Port	Display Port connector (x1)		
DC 5 V Output	Round type pin (female) (x1)		
DC 12 V Output	Round type pin (female) (x1)		
General			
Power Requirements	AC IN: 100 V - 240 V, 50/60 Hz, 1.5 A - 0.7 A		
	DC IN: 26 V, 5.2 A (Supplied from AC adaptor)		
Power Consumption	Approx. 149 W (max.)		
Operating Temperature	32°F to 95°F (0°C to 35°C)		
Operating Humidity	30% to 85% (no condensation allowed)		
Storage/Transport Temperature	-4°F to +140°F (-20°C to +60°C)		
Storage/Transport Humidity	20% to 90%		
Operating/Storage/Transport Pressure	700 hPa to 1060 hPa		
Dimensions (W x H x D) *	26 x 16 7/8 x 3 1/4 inches		
	26 x 20 1/8 x 12 5/8 inches (with SU-600 optional stand)		
	658.8 x 426.8 x 80 mm		
	658.8 x 508.6 x 319 mm (with SU-600 optional stand)		
Weight	Approx. 19 lb 6.4 oz (when the optional stand is not installed)		
	Approx. 8.8 kg (when the optional stand is not installed)		
Mounting	100 x 100 mm VESA		
Supplied Accessories	AC plug holder (x2)		
	Before Using This Unit (x1)		
	CD-ROM (including the Instructions for Use) (x1)		
	Service Contact List (x1)		
Optional Accessories	AC adaptor AC-300MD		
	Monitor stand SU-600MD		
	Foot switch FS-24		

* The values for dimensions are approximate.

Dimensions

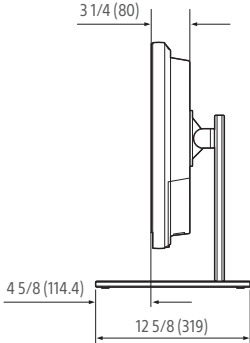
FRONT

When an optional stand SU-600MD is attached

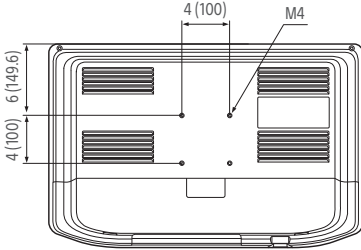


SIDE

When an optional stand SU-600MD is attached



REAR (VESA MOUNT INSTRUCTION)



Unit: inches (mm)

Optional Accessories



AC-300MD
AC Adaptor



SU-600MD
Monitor Stand



FS-24
Foot Switch



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