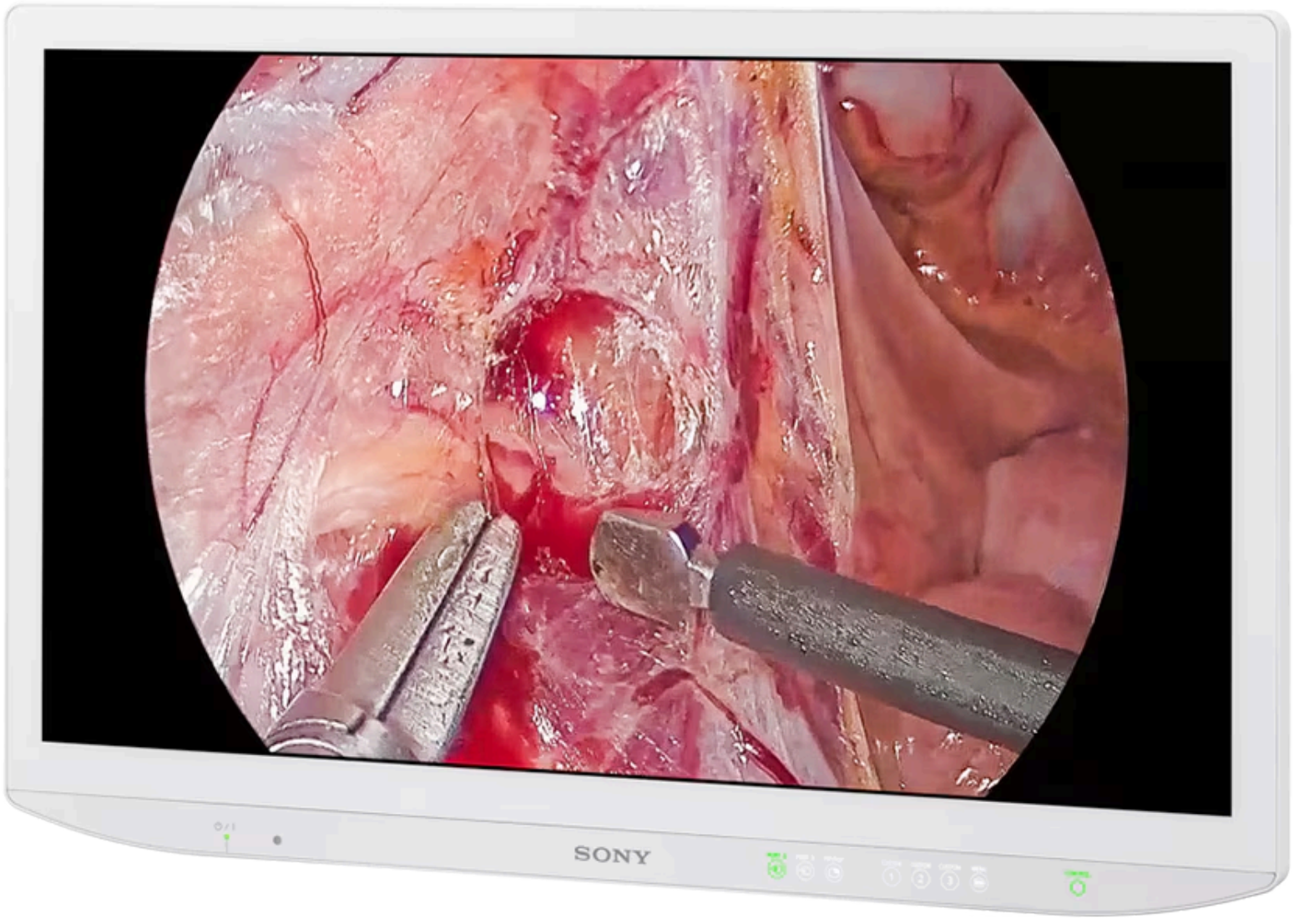


LMD-27M1MD

27-inch 4K 2D Mini LED surgical monitor featuring Sony's Advanced Local Dimming Technology (Backlight Master Drive)

27-inch : 684.7mm viewable area, measurement diagonally

[Screen images on this page are simulated for illustrative purposes.]

4K HDR Backlight Master Drive

Contact us | Where to buy

LMD-27M1MD

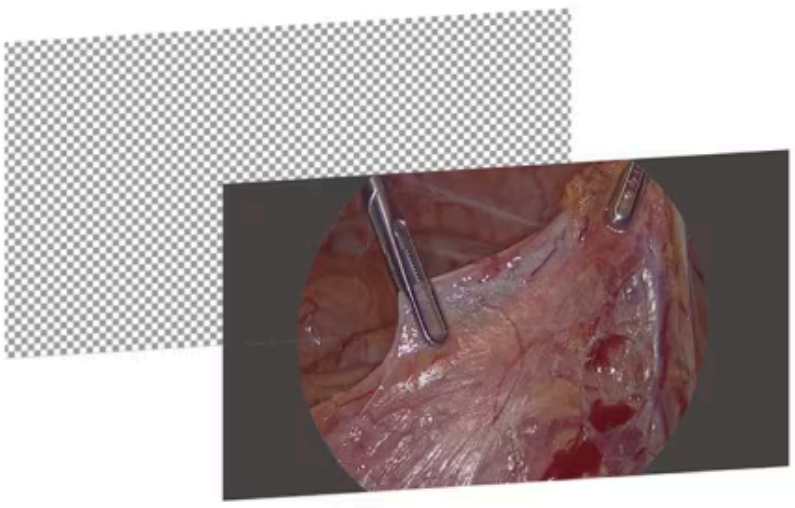
New Standard of Brightness and Contrast

The LMD-27M1MD is the surgical monitor certified with VESA DisplayHDR 1000. Its extremely high peak luminance of 2,250 cd/m² and contrast ratio of 1,000,000:1 are achieved by Sony's advanced Local Dimming Technology (Backlight Master Drive), providing exceptional visual clarity that's essential for minimal invasive surgery. The unique Anti-Reflection Technology combines Low-Reflection and Anti-Glare surface treatment to minimise on-screen reflections in brightly-lit Operating Rooms.

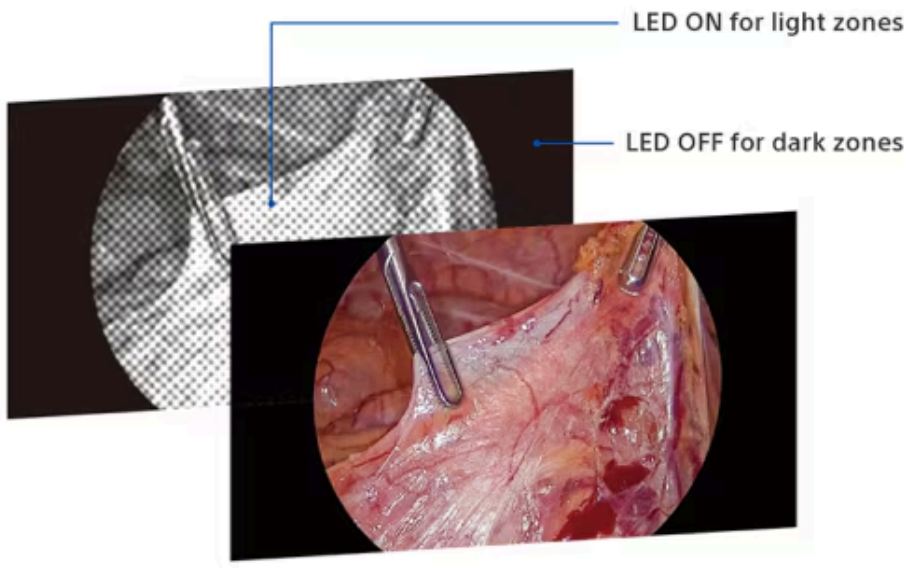
VESA CERTIFIED DisplayHDR™ 1000

Local Dimming OFF

All LED ON



Local Dimming ON



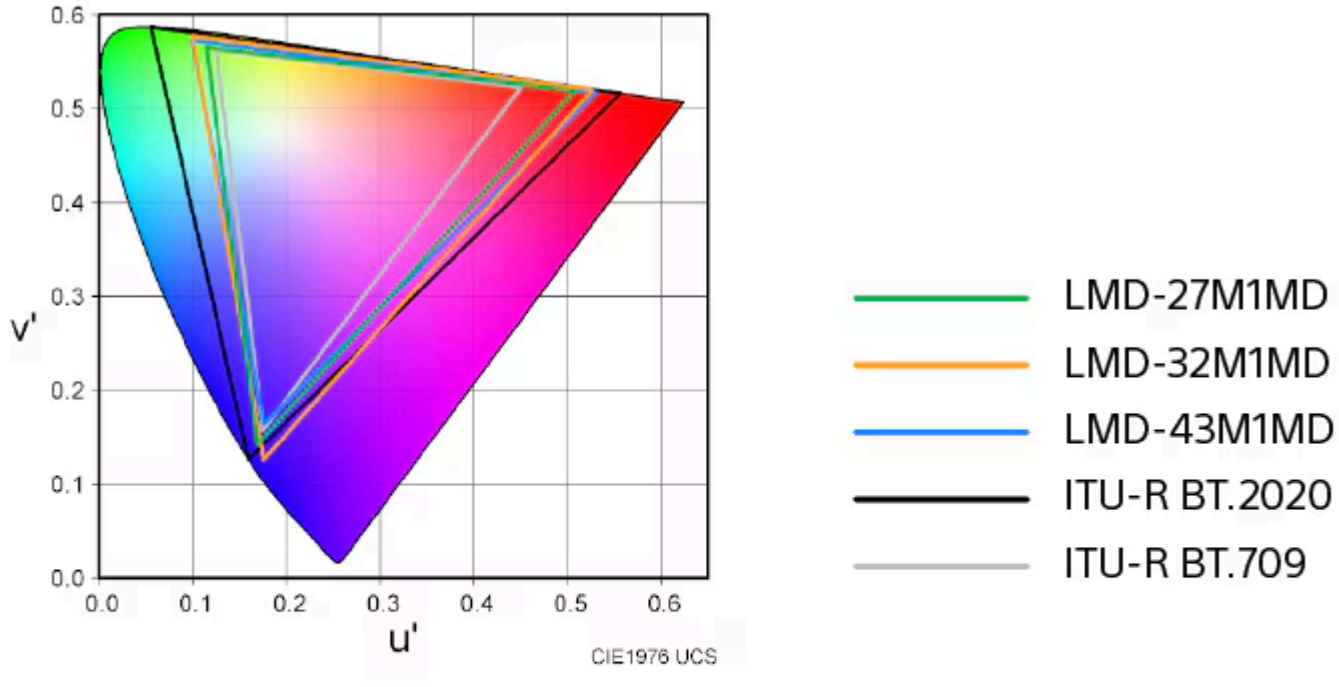
Backlight Master Drive

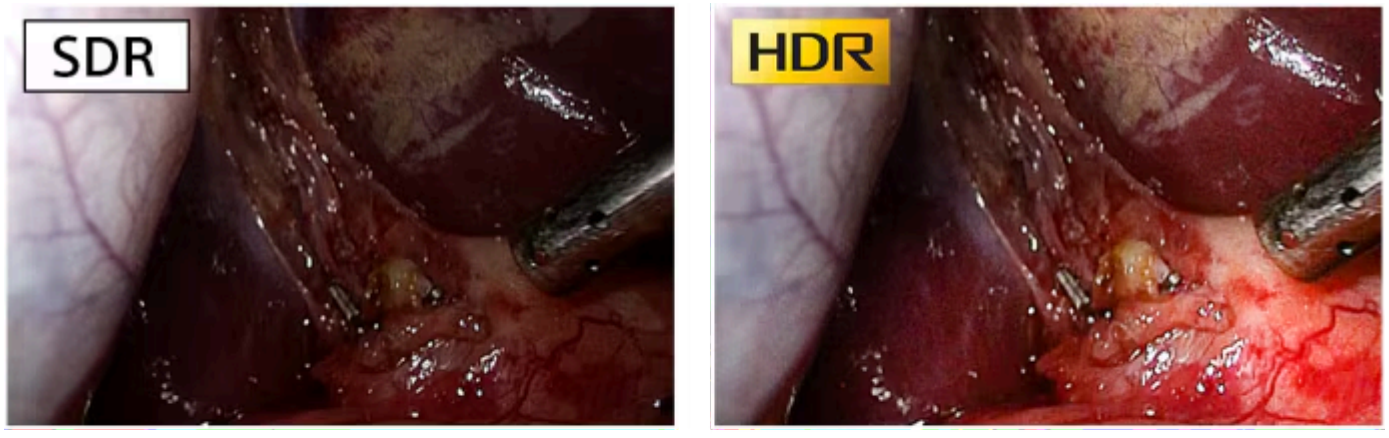
Experience Exceptional Clarity and Visual Detail

Sony's advanced Local Dimming Technology (Backlight Master Drive) precisely controls the panel backlight's dense array of mini LEDs to ensure stunning brightness and high contrast. LED backlighting sources are independently controlled in light and dark zones of the image. This significantly improves black reproduction by turning off LEDs, simultaneously using saved energy to boost peak brightness in highlight areas. This allows the LMD-27M1MD to achieve a peak brightness exceeding 2,250 cd/m^2, and a contrast ratio of 1,000,000:1.

Wide Colour Gamut for Realistic Visualisation

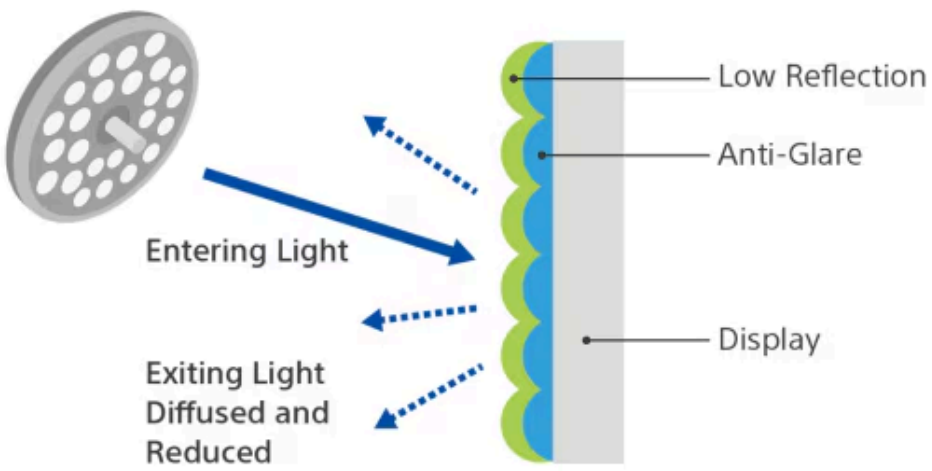
The LCD and signal processing technology employed in the LMD-27M1MD achieves a wide colour gamut conforming to ITU-R recommendation BT.2020. This allows for superior colour reproduction to achieve more realistic visualization of surgical images.

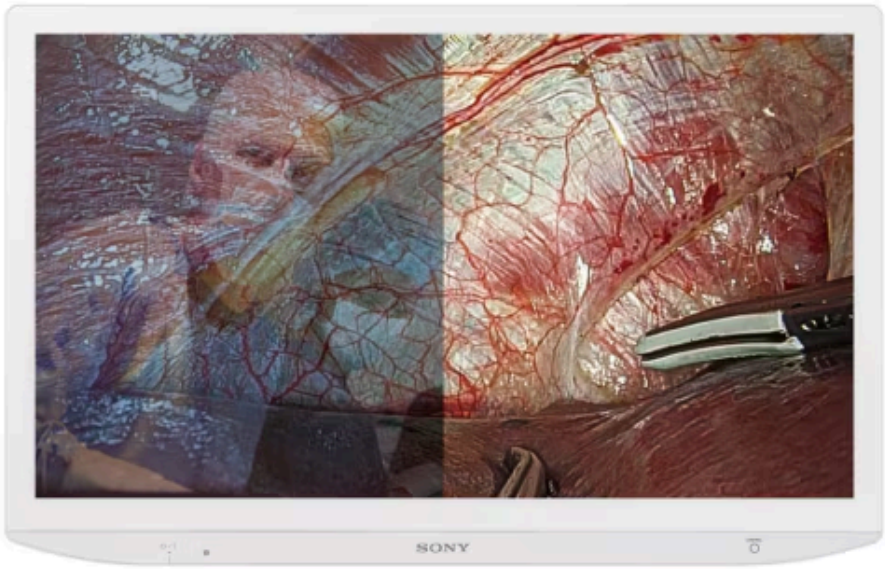




Clarity in Light and Dark Areas

HDR technology offers surgeons a clearer view by visualising a wider range of brightness levels within the same scene, minimising the loss of fine detail in shadowed areas and overexposed highlights. The LMD-27M1MD can reproduce greater details enhanced by HDR when receiving and selecting HLG (Hybrid Log-Gamma) or PQ (Perceptual Quantization) signals.





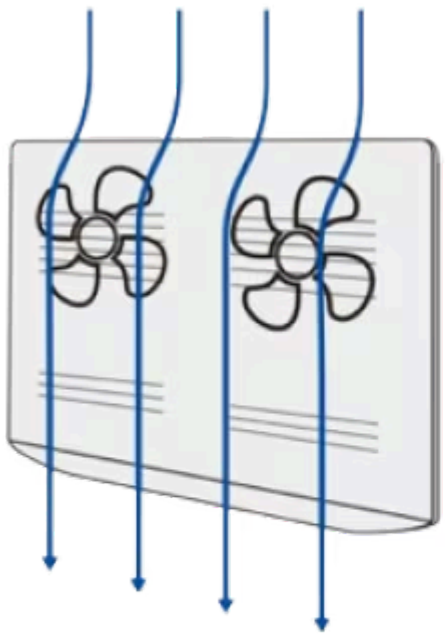
Minimised Screen Reflection in Brightly-lit Operating Rooms

Sony’s unique Anti-Reflection Technology featured in the LMD-27M1MD combines two reflection suppression technologies. Low Reflection reduces the amount of reflected light and minimises reflection from external light sources. This is reduced further by an Anti-Glare surface treatment that diffuses incoming light. By creating a slightly rough surface on the display, this Anti-Glare

surface maximises the diffusion of incoming light and minimises reflections. By combining these advanced surface treatment technologies, the LMD-27M1MD achieves a balance of diffusing incoming light, reducing reflections and minimising glare – ensuring extremely high contrast images with lifelike colour reproduction.

Fanless Design Minimises Airflow Disruption

The LMD-27M1MD features a fanless cooling system that significantly minimises unwanted interference with ventilation airflow around the monitor.



Conventional monitor with cooling fan inside

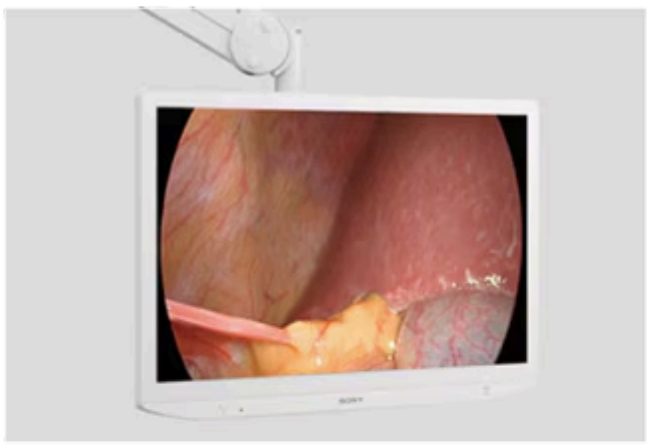
LMD-32M1MD with fanless design less affect to airflow

Intuitive Navigation and Custom Buttons

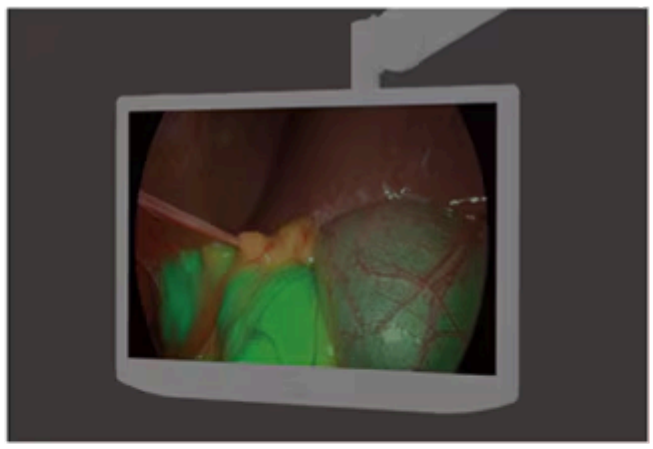
The monitor’s LED backlighting selectively illuminates active control buttons on the front panel, offering clear guidance to clinical staff even in dark environments. In addition frequently used functions can be assigned to three custom buttons on the front panel, allowing quick access and supporting enhanced workflow efficiency.

Auto Panel Brightness Adjustment to Match Lighting Levels

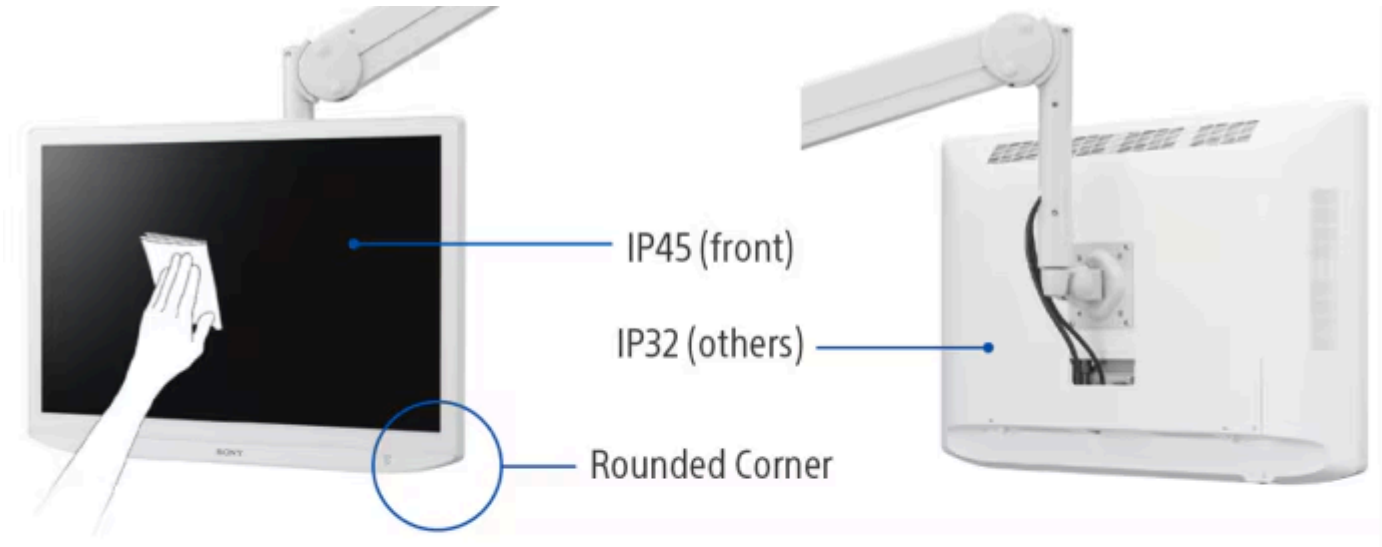
The LMD-27M1MD is equipped with a built-in light sensor that automatically adjusts panel brightness to match changing ambient lighting conditions in the Operating Room. This ensures visibility even in cases during procedures like ICG navigation surgery, where darker room lighting is required.



Normal lighting condition



Dark lighting condition
(The panel brightness is adjusted)

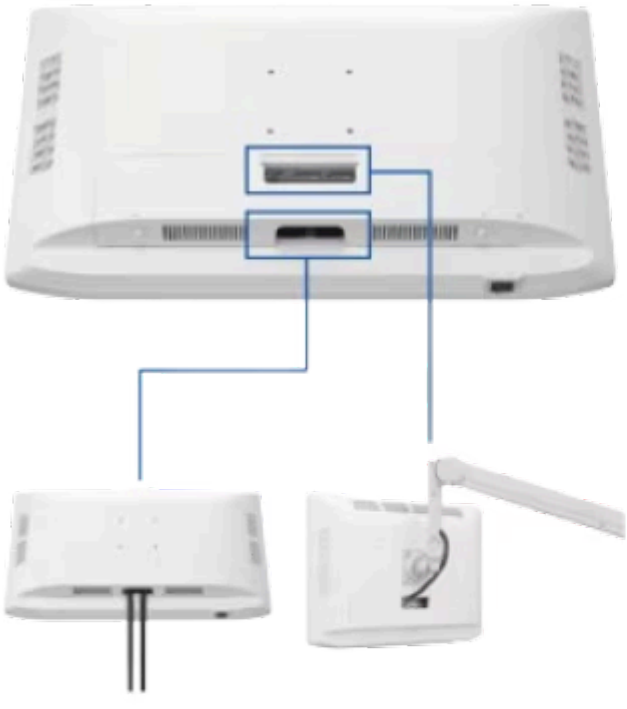


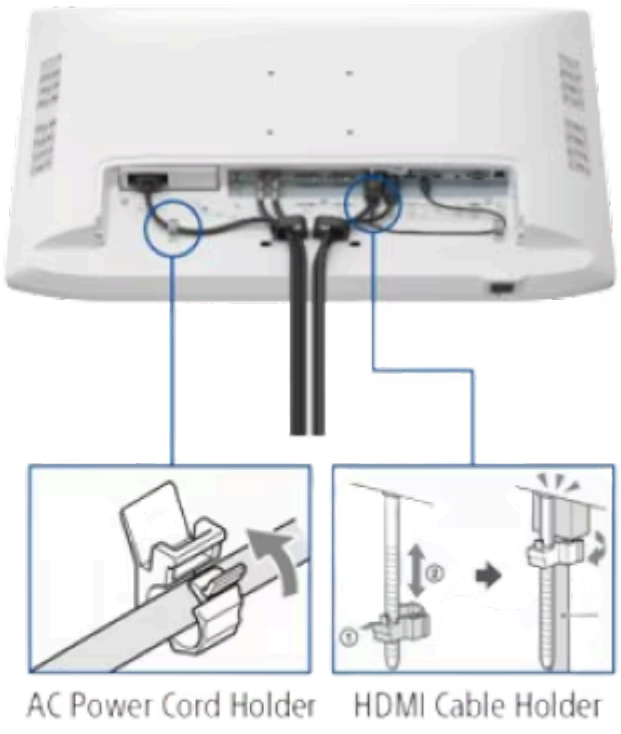
Suitable Design for Medical Facilities

The monitor’s smooth surface and streamlined back shape simplify cleaning of the entire monitor. Simple integration in the OR is assisted by the monitor’s slim bezel and rounded corners. The front of the LMD-27M1MD carries a splash proof and dust resistant rating of IP45, with an IP32 rating for the entire monitor.

Installation-Friendly Cabling

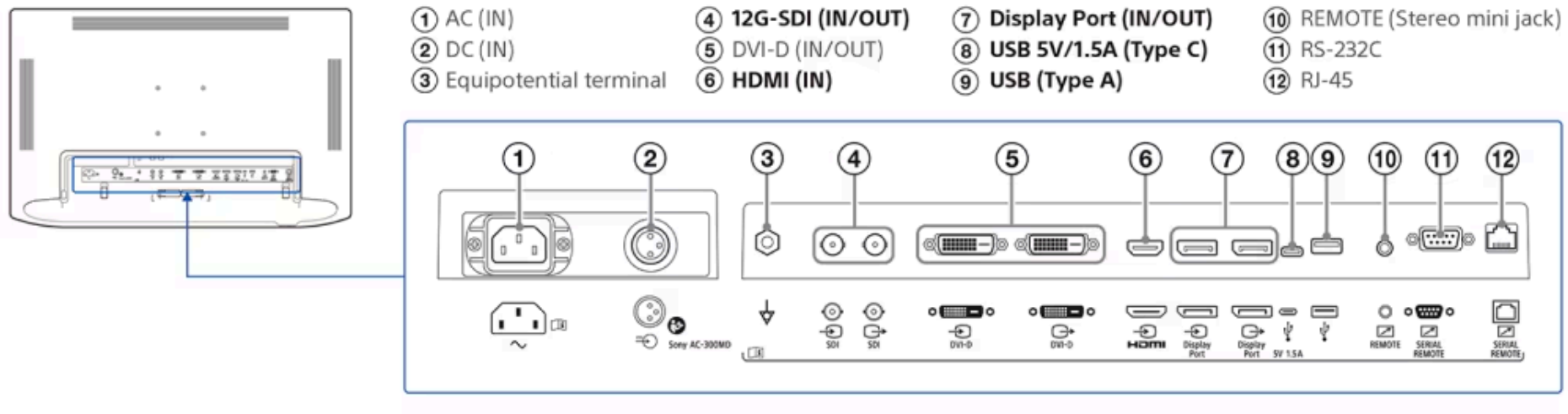
Two cable access points with integral covers broaden installation options with easy cable management. AC power and HDMI cable holders ensure placement of cables, helping to prevent accidental disconnections.





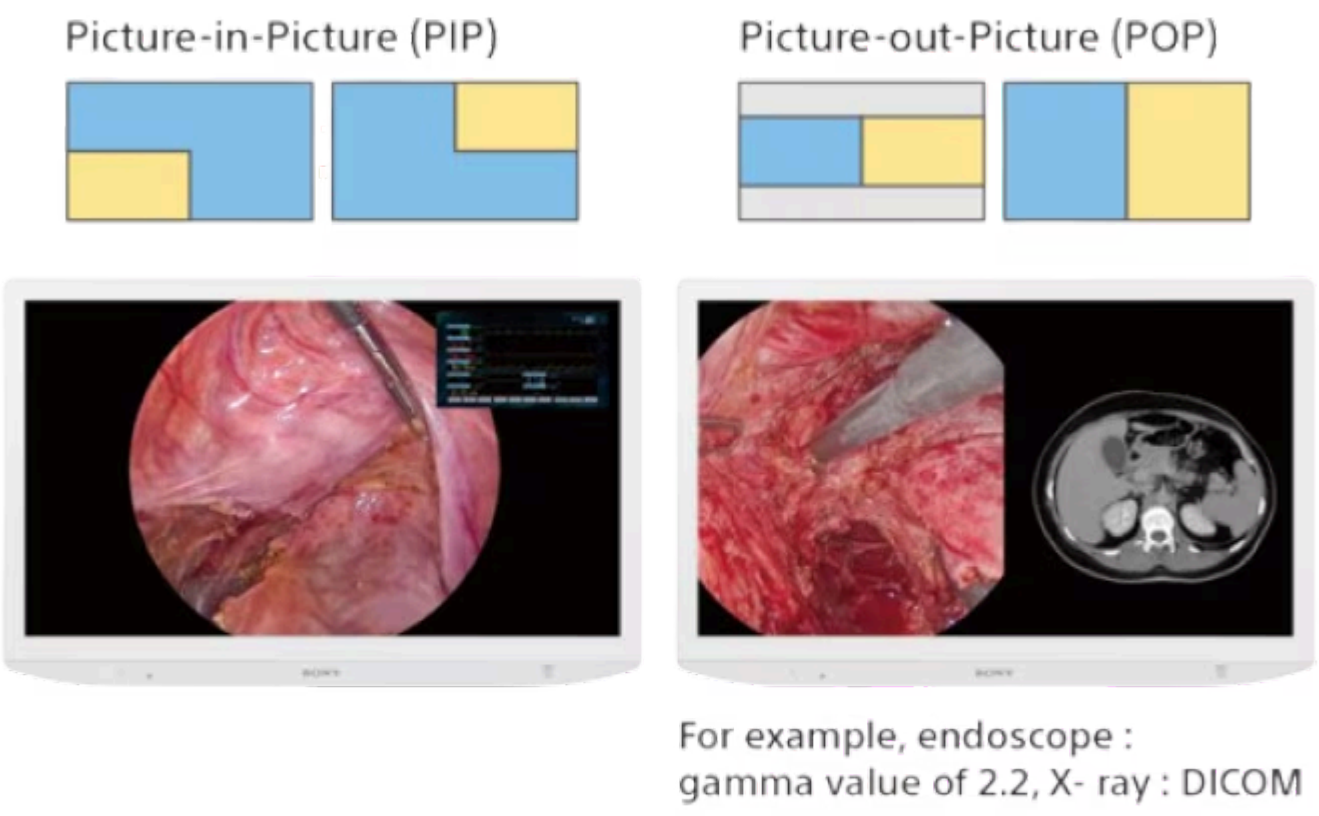
Versatile Connectivity Options

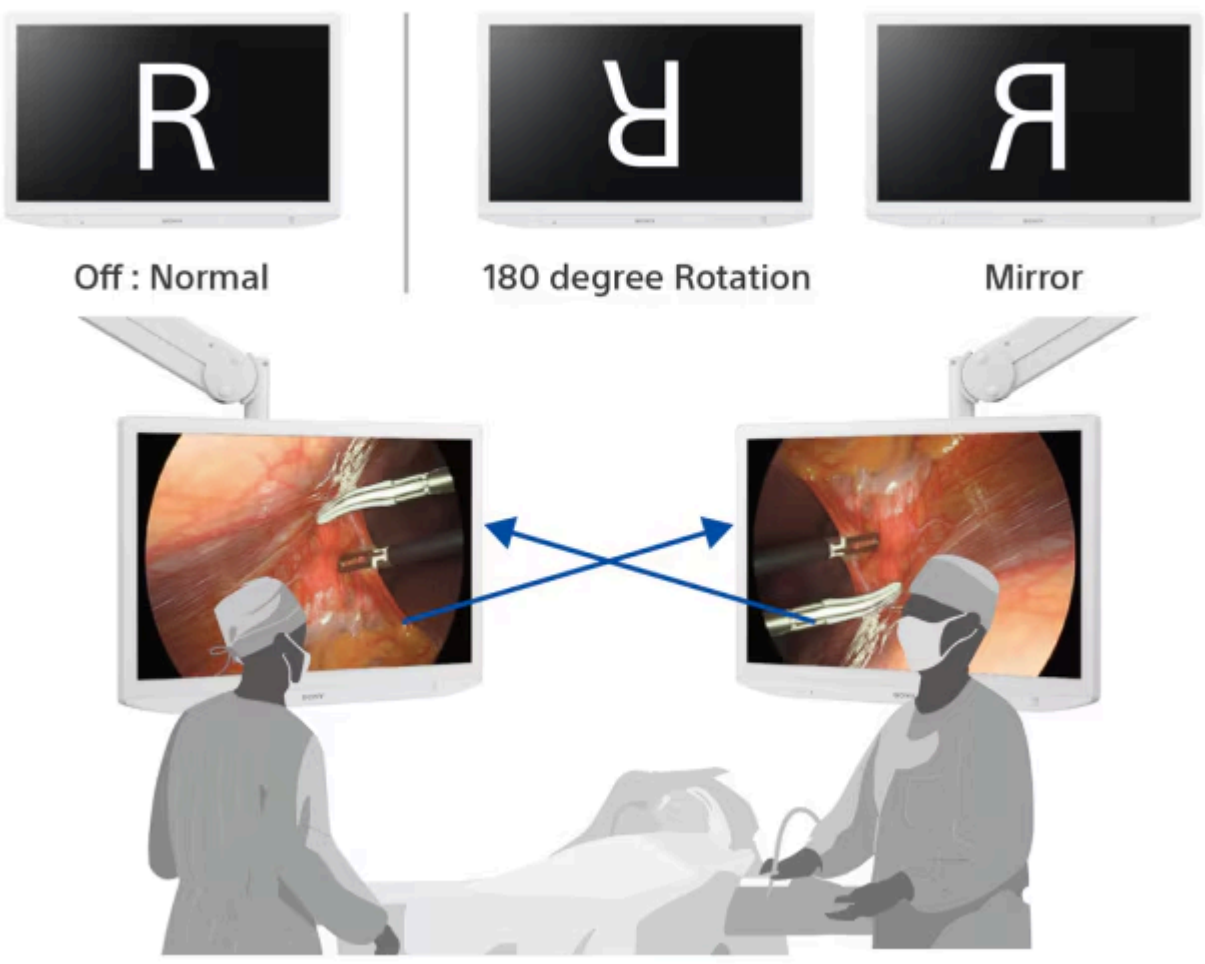
The LMD-27M1MD offers a comprehensive array of input/output connectors, including 12G-SDI, HDMI and Display Port. A USB 5V/1.5A (Type C) port provides power to connected external equipment. There's also a USB (Type A) port that can be used to export/import monitor setting informationfrom one monitor to another via the USB device.



Multi-Image Display (PIP/POP)

The LMD-27M1MD offers a two-screen PIP/POP display function, allowing display of multi-information on one screen. Each input source can be displayed separately, with individual gamma values assigned.



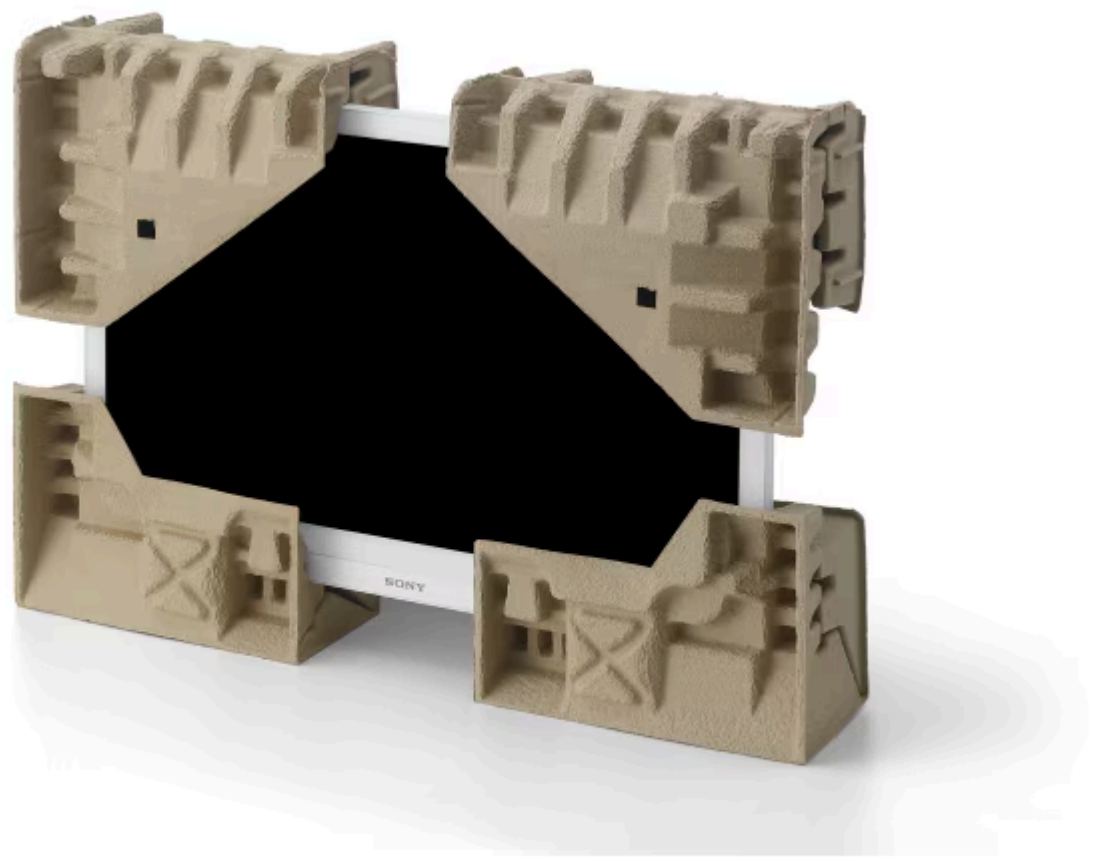


Optimal Viewing Angles

The displayed image can be rotated 180 degrees or flipped horizontally. This ensures optimal viewing for surgeons and clinical teams in the OR, regardless of the orientation of a connected endoscopic camera.

Simplified Configuration of Multiple Monitors

The USB (Type A) port allows for monitor configuration settings to be stored to an attached USB device. This stored setting information can then be easily applied to other monitors via the USB device.



Environmentally Conscious Efforts

Reduce Plastic Packaging to -84%

The packaging for the LMD-27M1MD eliminates expanded polystyrene form, relacing it with molded pulp materials. The monitor is also supplied in a covered non-woven bag made mainly from plant cellulose. This reduces the amount of virgin plastic used for packaging by approximately 84% (compared with LMD-X2710MD).

Power Saving

The LMD-27M1MD is equipped with the Sleep Mode function that contributes to a more energy-efficient use. When it is set to ON, the monitor enters into Power Saving mode by turning off the backlight if there is no input signal from the selected connector for more than 1 minute.

Gallery

Specifications

Expand all Collapse all

- Picture Performance
- Input
- Output
- Input/Output
- General
- Supplied Accessories

Accessories

AC-300MD

Provides power for Sony LCD medical monitors

SU-600MD

Stand specifically designed for use with Sony LCD flat panel medical monitors

NUA-BK30

IP Converter Bracket for NU-IP3R

Related products

LMD-XH550MT

55-inch 4K 3D/2D LCD medical monitor

LMD-XH320MT

32-inch 4K 3D/2D LCD medical monitor

LMD-XH550MD

55-inch 4K 2D surgical monitor

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