



Panasonic
ideas for life



**Panasonic Medical Grade Certified
Full HD Monitors for the Surgical Suite**

SOLUTIONS FOR HEALTHCARE



PROVIDING SUPERIOR VISIBILITY IN THE OR

A surgical team relies on high-precision digital imaging tools for critical decision-making in the operating room. Panasonic medical-grade monitors are designed to meet the high-performance demands of surgical environments. As more and more medical procedures are performed endoscopically, the reliance on HD monitors in the operating room continues to grow, and HD monitors can be among the most critically important equipment the surgical team will use.

Fully ruggedized and sanitizable, Panasonic full HD, medical-grade-certified LCD monitors are optimized for use in the digital OR. They feature unique in-plane switching technology (IPS-Pro panel) for high-resolution color accuracy of multiple images, even at 178° wide-angle viewing. The monitors' high image brightness, high contrast and true-black levels enable the surgical team to view critical details and obtain precise diagnostic results.

Broad Product Line of 2D and 3D Medica-Grade Monitors

Panasonic medical-grade 2D and 3D monitors provide superior HD capabilities with stereoscopic features to produce sharp, accurate and bright images from endoscopic cameras, PACS, C-arms and other surgical imaging devices and cameras.

They are available in 26, 32 (2D & 3D) and 37-inch class screen sizes and integrate easily into the OR control and equipment management systems. They employ broadcast-quality image processing technology for superior picture quality and essentially no image lag. The available 1920 x 1080 pixel resolution enables them to take advantage of higher-resolution cameras and image sources to provide surgeons with superior HD medical imaging for a broad range of clinical applications and configuration needs.

Meet Critical Code Requirements

Panasonic HD medical-grade monitors exceed the highest industry standards for electrical safety and sanitization. The surgical displays are FDA Class 1 rated (UL 60601-1, CAN/USA C22.2 601.1, IEC 60601-1-2). They have an Antimicrobial Surface and can be sanitized with a variety of disinfectant wipes. The EJ-MLA26U is fully IPX2 rated. They meet VESA Mount Standards for mounting to boom arms, or on a wall, a surgical cart or a workstation.



37" CLASS EJ-MLA37U-W

32" CLASS EJ-MLA32U-W

26" CLASS EJ-MLA26U

3D 32" CLASS EJ-MDA32U-K



FEATURES

Images Retain Full HD Quality from Any Angle with IPS-Pro

Panasonic in-plane-switching technology, IPS-Pro, provides natural full HD images from a wide selection of viewing angles and stereoscopic effects, even at 178° wide-viewing-angle. The wide viewing angle enables the surgical team to view multiple images simultaneously, such as vital signs, the surgical procedure itself, and radiological images, displayed from top, bottom, left and right angles. IPS-Pro provides superior image reproduction, color accuracy, brightness and high-contrast ratio for superior multi-modality medical imaging. The ability to view multiple images on a single medical monitor screen reduces clutter in the OR.

Xpol® Technology Provides Superior 3D Picture Quality at Wide-Angle Viewing

Panasonic's medical-grade 3D monitor uses the Xpol circular polarizing technology to produce a 3D image instead of the usual linear polarization solutions. Panasonic's passive circular polarizing glasses and the Xpol system maintain the stereoscopic effect even when the surgeon's head is tilted to the left or right—a benefit linear polarization solutions cannot offer. This feature allows for a natural viewing experience. For increased flexibility, the device also supports multiple 3D formats and inputs and can even reduce surgeons' eye fatigue when viewing content.



3D images can be collaboratively viewed by the surgical team.

Feature Multiple Images from Multiple Sources on a Single Monitor

Panasonic high-resolution 2D and 3D medical-grade monitors provide a variety of multi-modality capabilities. Multi-function mode allows up to three images from three different input sources (for example a surgical camera, PACS images in DICOM, vital signs) to be displayed simultaneously on a single monitor screen.

The medical-grade monitors have split screen capabilities—they provide flexible picture-in-picture and picture-by-picture functionality—with independent image adjustment, enabling the surgeon to view, toggle or swap a live or saved image, identify an abnormality and perform the procedure with a high level of precision. Consolidation of multiple screens eliminates clutter and creates additional working space in the OR.

Panasonic medical-grade monitors support HD-SDI inputs, DVI inputs, plus analog input—eliminating the need to purchase optional input board(s). Additional features include surgical video and radiology graphics imaging and 178° wide angle viewing.



Easily fine-tune picture quality for each image displayed.

ENDOSCOPE

Digestive System (HD-SDI)

Surgical Area (HD-SDI)

PACS (DVI)

Vital Signs (DVI)

Zoom Images Independently for Closer Examination

Use the zoom function in picture-in-picture (displays an inset image on a normal screen), and picture-out-of-picture and side-by-side modes.

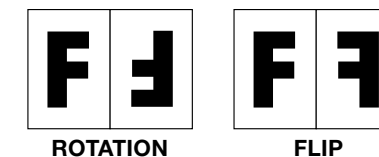


Separately Adjust Image Quality for Each Input Source

In dual-display mode, each image on the Panasonic medical-grade monitor may be independently adjusted to maximize color and grayscale clarity.

Flip or Rotate Camera Images on Screen for Better Visibility

Re-orient operative field images with the screen rotation or flip function to optimize critical visibility, regardless of the camera angle.



Quickly re-orient camera images as needed for normal viewing.

True Color Reproduction with 3D-LUT

Achieve high-precision color reproduction of images with 3D (color and brightness components)-LUT (Look Up Table) and 10-bit image processing (1,024 gray scale) in both low and high brightness conditions.

SPECIFICATIONS

	EJ-MLA37U-W	EJ-MLA32U-W	EJ-MLA26U	EJ-MDA32U-K
LCD Panel	37" class IPS-Pro Panel (16:9 aspect ratio)	32" class IPS-Pro Panel (16:9 aspect ratio)	26" class IPS-Pro Panel (16:9 aspect ratio)	3D 32" class IPS-Pro Panel (16:9 aspect ratio)
Viewing Angle	Horizontal: 178° Vertical: 178°			Horizontal: 178° Vertical: 178° (at 2D mode CR>10)
Contrast	1200:1		1400:1	1200:1
Backlight	CCFL		LED	CCFL
Display Modes	Dual display mode / Triple display mode / PIP and POP modes / Mirror image mode			
Video Input / Output	BNC			
S Video Input / Output	4 pin mini DIN			
SDI Input / Output	X2 (HD-SDI / SDI) BNC		X1 (HD-SDI / SDI) BNC	X2 (HD-SDI / SDI) BNC
DVI-D Input / Output	X2 (DVI-1 supports HDCP) DVI-D			
RGB / YPBPR Input / Output	BNC			
HD15 Input	Mini D-sub15 pin			
RS-232C	D-sub 9 pin			
GPI Input	D-sub 9 pin			
Power	AC100-120/200-240V±10% 50/60Hz		DC 24 V 69 W	AC100-120/200-240V±10% 50/60Hz
AC Adaptor			AC 100 V – 240 V 50 Hz/60 Hz 1.2 A DC 24 V 4.16 A 6.3" x 1.5" x 2.5"	
Dimensions (W x H x D)	35.3" x 21.2" x 4.6"	30.6" x 18.6" x 4.5"	25.3" x 15.6" x 3.4"	30.6" x 18.6" x 4.5"
Weight	Approx. 44.5 lbs.	Approx. 33.1 lbs.	Approx. 17.0 lbs.	Approx. 34.2 lbs.
Mounting	200mm VESA		100mm VESA	200mm VESA
Certification	UL 60601-1, CAN/CSA C22.2 601.1			
Water Drip-Proof			IPX2	
3D Technology				Xpol filter polarization system using the 3D polarized eyewear (Xpol is a registered trademark of ARISAWA Mfg. Co., Ltd.)
3D Format				SIMUL (Dual input) / Line-by-Line / Side-by-Side / Top & Bottom
3D Input				HD-SDI / DVI-D
3D Viewer				3D polarized passive eyewear (3 pairs supplied)

PANASONIC SURGICAL SUITE PRODUCT LINE

Medical-Grade POV Camera/Recorder

- Records surgical procedures
- Digital recording on low-cost SDHC memory card
- Internal microphone for audio capture
- Supports teleconferencing for collaboration with medical colleagues
- Remotely controllable

HD Surgical Microscope Cameras

- Ideal solution for microscopy and other enclosed surgical procedures
- Remote head
- 1 MOS HD camera and 3 CCD HD camera
- Outstanding HD resolution
- Superior color performance

Toughbook® Computers

- Superior screen brightness
- Rugged design to withstand drops and spills
- Highly sanitizable
- Long battery life
- Fully sealed housing

Why Panasonic for the Surgical Suite?

The technology environment in the digital OR is constantly evolving as MIS and diagnostic imaging continue to converge.

Having the right display technology for the acquisition, recording and viewing of medical procedures in the surgical suite is critical—as is the ability of a surgical display system to support the next generation of camera equipment.

Panasonic is uniquely qualified to bring together a wide array of best-in-class imaging products and services to meet your surgical suite digital imaging needs. From HD remote head cameras and recorders, to medical-grade monitors and Toughbook® computers, Panasonic solutions are designed to work together in a scalable technology ecosystem.

Providing hospitals with durable and scalable diagnostic digital imaging solutions in the OR is how we're engineering a better world.

Talk to Panasonic About Your Business Plans and Goals

Building fully integrated, high-performance solutions that meet your objectives requires high-level planning and flawless execution. Panasonic can deliver complete solutions—including performance-certified components, custom software and applications, complete design and deployment, plus the comprehensive services, maintenance and support required to transform a strategic solution into an operations reality.





Panasonic Warranty, Service and Support

Panasonic medical-grade certified displays are ideal for surgical suite applications because of their quality, reliability, durability and long history in broadcast and production video quality. Panasonic medical-grade certified displays boast a service life of 60,000 hours and are accompanied by an industry-leading 3-year parts and labor warranty that includes on-site customer support.

Environmental Leadership

eco
ideas

Panasonic is proud to produce products that have a positive impact on people and the environment. We have a passion for environmental responsibility and have implemented corporate policies and programs that minimize our ecological footprint and contribute to environmental conservation. We design products for efficient disassembly and recycling, and use recycled materials and environment-conscious components whenever possible in the manufacturing processes. Through our Eco Ideas program, Panasonic is on a mission to become the #1 Green Innovation Company in the global electronics industry by 2018, our centennial year.



We invite you to find out more about how Panasonic can help your business create and maintain a competitive edge. Please contact us at **1.888.357.1311** or visit us at panasonic.com/medical-monitors.