Panasonic

Operating room monitor
Medical-grade Full HD monitors

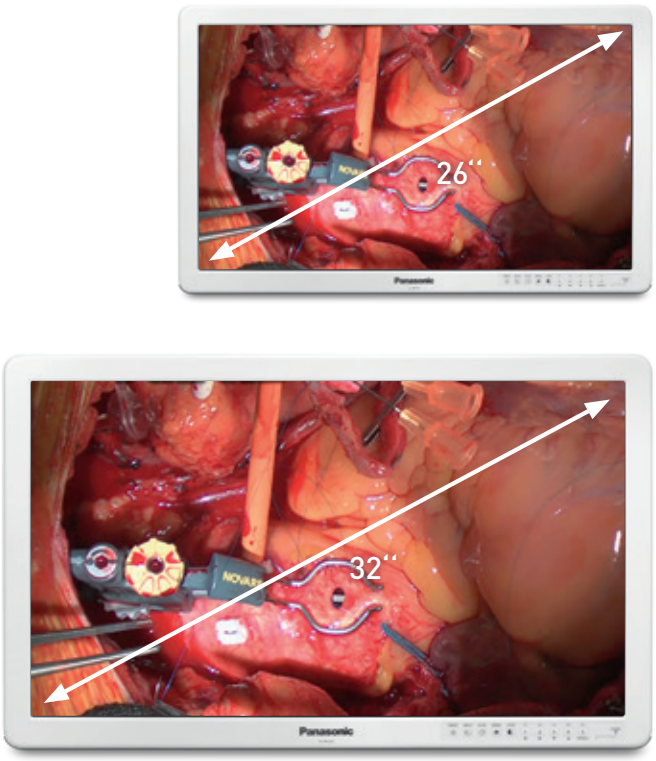
EJ-MLA26Z2 and EJ-MLA32Z2

Perfection in colour

- Precise colour reproduction
- Moist-disinfection
- Energy-efficient

Because every moment is essential

EVERY DETAIL COUNTS IN THE OPERATING Room. Panasonic's new 2D models are its third generation of medical-grade monitors. The monitors are the perfect assistant for minimally invasive procedures. The latest development from Panasonic: EJ-MLA26Z2 and EJ-MLA32Z2 Full HD monitors.



Precise image reproduction: operating room monitors display images brilliantly, flicker-free and fadeless in Full HD.

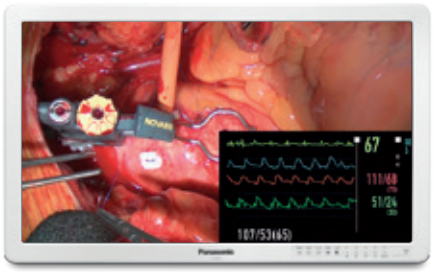
- Ultimate true colours through IPS technology and LED backlighting
- Dual Display mode (two sources displayed in parallel) and autonomous image orientation – choose between PIP and POP mode
- Programmable buttons allowing quick selection of functions and modes
- Ten user profiles for preconfiguring action of the required image/function settings
- IPX2 protection. The monitor surfaces can be moist-disinfected and the monitor is safe against spray
- Low energy consumption through 'Power Save Mode' (the monitor switches to stand-by after 30 seconds without video signal)
- It can be controlled remotely via a RS-232C or GPI port
- Low thermal output helps to keep operating room temperatures constant
- Multiple HD inputs and outputs
- Front panel protection supports panel lifetime
- Cable cover included with the EJ-MLA32Z2
- Medically approved for operating rooms (MDD Class 1, EN 60601-1, EN 60601-1-2)

Optional accessories

- Smooth height adjusting, tilting and pivoting monitor stand
- Power adaptor extension cable (in 10 m)
- Cable cover optionally available for EJ-MLA26Z2

Dual Display – one monitor, two images

THE EJ-MLA26Z2 AND EJ-MLA32Z2* OPERATING ROOM MONITORS can display two input images simultaneously, such as an operation image and reference image. There are two display modes available: picture-in-picture (PIP) and picture-out-of-picture (POP). The size and position of what is displayed on the screen can be adjusted to suit your needs.

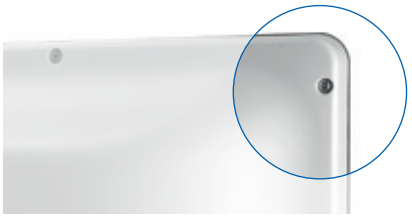


Picture-in-picture: *one picture shown inside the other*

Picture-out-of-Picture: *two images shown next to one another*

Optimal design for use in operating theatres

Range of application: *the casing is narrow and light and has rounded corners to make things safer in operating room.*



Bezel with rounded corners

Panasonic pays detailed attention to safety when it manufactures its operating room monitors. One example of this is the rounded shape of the bezel. These operating room monitors save space with their optional bases and slim design.

Clinical cleanliness: *the entire surface can be cleaned quickly using a moist cloth and disinfectant.*

Hygienic design

The back panel is designed without ventilation openings so it protects the unit against moisture ingress when disinfecting it. Cable cover enables connections to be hidden away safely and tidily.

Compact: *the AC adaptor is light and can be easily installed anywhere.*

Compact AC adaptor

A compact AC adaptor makes installation easier, especially in ceiling supply units and cart housings.

** Available from spring 2016*

Forty years of Healthcare experience

FADELESS, HYGIENIC, EFFICIENT. Surgical teams in the operating room depend upon the most advanced technologies. Imaging applications have developed to an essential aid. This is where Panasonic Healthcare comes in, with more than 40 years of experience in medical technology, and continuous development of operating room monitors.

Precision colour reproduction: intensive reds allow for easy identification of inflammation and lesions..

Quick and clinically clean: the operating room monitor can be moist-disinfected and easily wiped with a cloth.

Reduced thermal output: the recommended temperature in German operating rooms is a constant 22–26° Celsius.

Precise colour reproduction

EJ-MLA26Z2 and EJ-MLA32Z2 the medical-grade monitors are equipped with IPS technology. Using these advanced panels, images on the monitor can be viewed in the same quality from almost any angle – the display can be seen from a full 178 degrees. The display provides ideal conditions for operating rooms where doctors and their teams are in different positions and rely on wide viewing angles. Precise image reproduction displays content in high contrast and depicts structures in the truest possible colours. Especially intensive reds make it easy to recognise inflammation and lesions. Even brightness produced by LED backlighting refines these high-contrast, fadeless images.

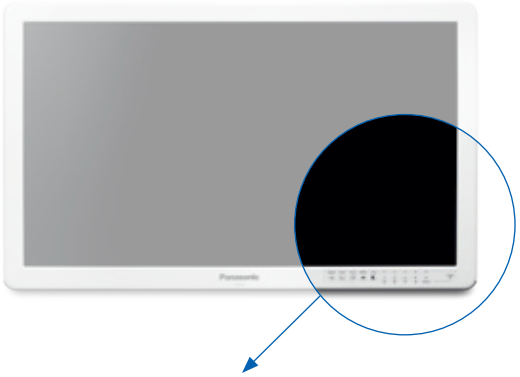
IPX2 standard for moist disinfection

Panasonic's operating room monitors comply with the IPX2 standard, which means they are protected against dripping water, dust and, above all, contamination through bacteria and viruses. This makes our operating theatre monitors quick and easy to clean: their surfaces can be moist-disinfected and remain clinically clean with very little effort. Panasonic's operating room equipment therefore fulfill the demands of hospitals and achieves perfect results even under enormous time pressure.

Energy efficient

High performance coupled with low energy consumption is the idea behind the sophisticated design of Panasonic's operating room monitors. Low power consumption is achieved by features such as the newly developed 'Power Save Mode' – the monitor switches to stand-by after 30 seconds of no video signal. Furthermore, Panasonic's operating room monitors reduce heat output to a minimum. This allows temperatures in operating rooms to remain calculable and constant – without putting any extra burden on the air-conditioning systems.

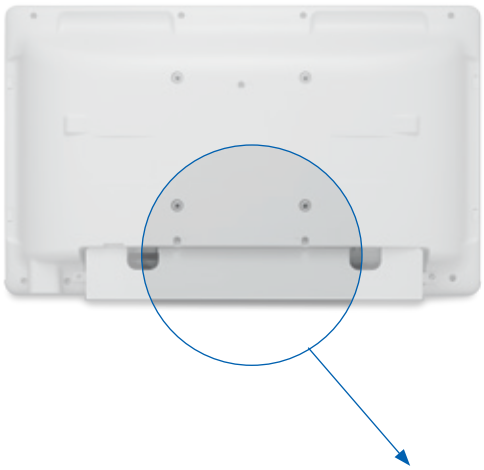
Operation, connections and service



Clear operating panel for intuitive operation

A clearly organised operating panel with five programmable buttons for quick access to the saved functions. The pre-settings can be operated even when wearing surgical gloves.

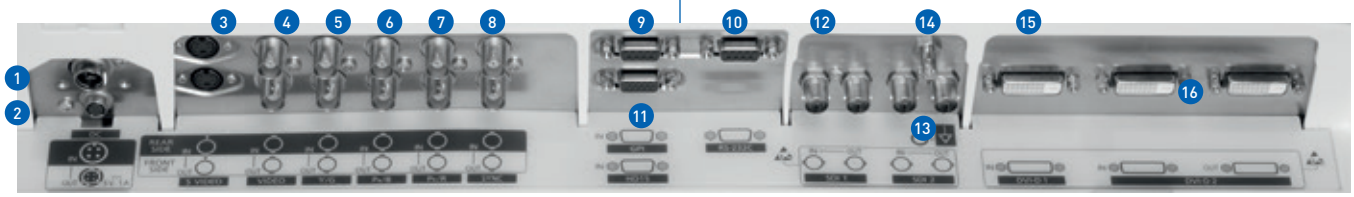
Picture shows the EJ-MLA32Z2



Connections and ports

With up to 17 different inputs and outputs (incl. 3G-SDI), the display is compatible with every conventional system, allowing flexible usage.

1. DC in
2. DC out 5V 1A
3. S-Video in/out
4. Video in/out (BNC)
5. Y/G in/out (BNC)
6. Pb/B in/out (BNC)
7. Pr/R in/out (BNC)
8. SYNC in/out (BNC)
9. GPI in (D-Sub 9 Pin)
10. RS-232 in (D-Sub 9 Pin)
11. HD15 in (Mini D-Sub 15 Pin)
12. SDI 1 in/out (BNC)
13. SDI 2 in/out (BNC)
14. Earthing/equipotential bonding
15. DVI-D 1 in
16. DVI-D 2 in/out (HDCP-compliant)



Picture shows the EJ-MLA32Z2

Customer service

Panasonic operating room monitors are renowned for their superior durability. Despite this, Panasonic believes in the medical philosophy of 'being prepared for the case' and provides its customers with a comprehensive service. If necessary, the company will provide immediate repairs and replacement equipment.

Specifications

General Information	EJ-MLA26Z2	EJ-MLA32Z2 (Available from spring 2016)
Power consumption	DC 24V, 69W	DC 24V, 72W
Dimensions (W×H×D)	643 mm × 396 mm × 87 mm	776 mm × 473 mm × 114 mm
Weight	7,7 kg	13,7 kg
Front bezel color	white	white
Mounting standard	Vesa 100	Vesa 200
Imaging specs		
Panel	LCD IPS Pro Panel	LCD IPS Panel
Image size (diagonal)	26 Zoll (66 cm)	31,5 Zoll (80 cm)
Resolution	Full HD, 1.920 × 1.080	Full HD, 1.920 × 1.080
Aspect ratio	16:9	16:9
Luminance	500 cd/m²	500 cd/m²
Contrast ratio	1.400:1	1.200:1
Viewing angle (hor./vert.)	178°/178° (CR>10)	178°/178° (CR>10)
Backlight	LED	LED
Inputs		
SDI input	1 3G/HD/SD BNC type	2 3G/HD/SD BNC type
DVI-D	1 (HDCP conform)	2 (DVI 1 HDCP conform)
HD15	-	1 D-sub 15 Pin
Video	1 BNC type	1 BNC type
RGB / YPB / YPR	1 Mini-D-Sub (15 Pol)	1/1/1 BNC type
SYNC	-	1 BNC type
S-Video	1 mini DIN 4 Pin	1 mini DIN 4 Pin
Outputs		
SDI output	1 3G/HD/SD BNC type	2 3G/HD/SD BNC type
DVI-D	1	1
Video	1 BNC type	1 BNC type
RGB / YPB / YPR	-	1/1/1 BNC type
SYNC	-	1 BNC type
S-Video	-	1 mini DIN 4 Pin
DC	5V 1A	5V 1A
Remote Control		
RS-232C	1 D-sub 9 Pin	1 D-sub 9 Pin
GPI	1 D-sub 9 Pin	1 D-sub 9 Pin
Power adapter		
Dimensions (W×H×D)	160 mm × 37 mm × 64 mm	160 mm × 37 mm × 64 mm
Weight	Approx. 0,7 kg	Approx. 0,7 kg
Extension cable	10 m	10 m
Languages		
Operation menu	English, French, German, Italian, Japanese, Spanish	
Manual	English (printed), French, German, Italian, Spanish (CD)	
Features		
HD Dual display	switchable between SDI- and DVI- input	switchable between SDI- and DVI- input
Dual display	Available in PIP and POP	Available in PIP and POP
Rotation/Flipping	180°/90°/270° Rotation, Horizontal flipping	180°/90°/270° Rotation, Horizontal flipping
Efficiency	Power safe mode	Power safe mode
Hygiene	IPX2 standard: moist disinfection	IPX2 standard: moist disinfection
Standards	FDA Class1 (USA) CMDR Class1 (Canada) MDD Class1 (Europe) EN 60601-1 EN 60601-1-2 CE (MDD)	FDA Class1 (USA) CMDR Class1 (Canada) MDD Class1 (Europe) EN 60601-1 EN 60601-1-2 CE (MDD)

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