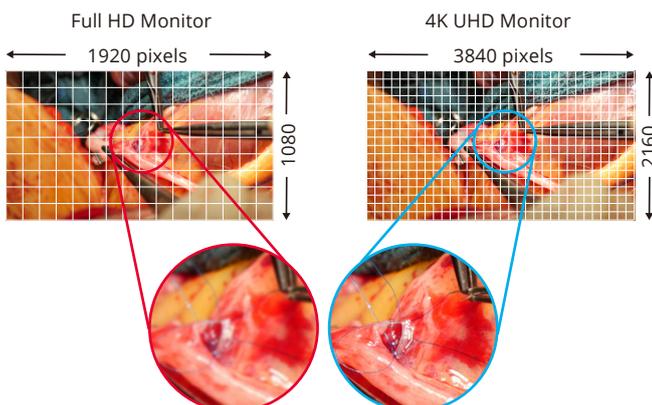



4K

32-Inch Surgical Monitor with 4K UHD Resolution for Endoscopy and Other High-Precision Procedures

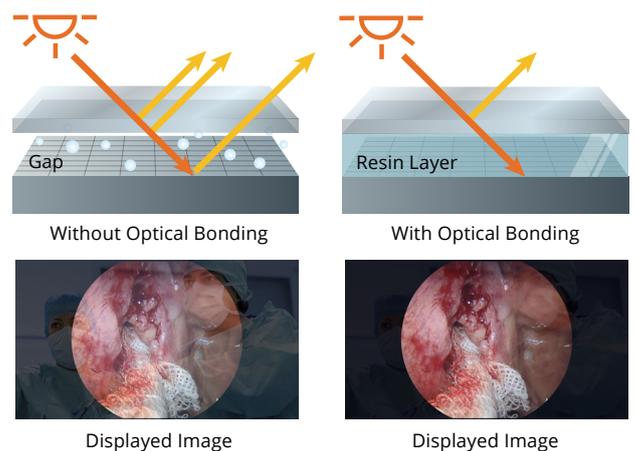
4K UHD Resolution and High Brightness

The monitor uses an energy-efficient LED backlight with a high brightness of 850 cd/m². The high resolution of 3840 x 2160 is four times the size of full HD and faithfully reproduces 4K endoscope and operating microscope images in Ultra High Definition.



Reduced Reflections

Reflections on the screen of LCD monitors are caused when external light hits the screen and reflects off of the protective glass and layer of air at different refractive indices. Optical bonding removes the layer of air in order to lower the difference of refractive indices. This softens the reflections and produces a clear, highly visible image without affecting contrast.



CuratOR® EX3242

Wide Color Gamut for Distinguishing Tones

During procedures, the operating surgeon needs to be able to differentiate between varying color tones. The monitor supports the BT.2020 4K video color standard to ensure that subtle differences between shades of reds and yellows captured by BT.2020-supported cameras are distinguishable on the screen.

HDR Compatibility

HDR (High Dynamic Range) is a range that approximates the human perception of color and light as content is shown on a display device. The monitor is equipped with the perceptual quantization (PQ) curve and hybrid log-gamma (HLG) for supporting HDR. This ensures images from HDR-supported endoscope cameras are displayed without crushing blacks and more closely resemble the human visual system.

Condensation Prevention

Optical bonding prevents condensation from forming between the LCD panel and protective glass. This allows the monitor to maintain high visibility in harsh environments.

Streamlined Connectivity

With BNC (12G-SDI), and DisplayPort or HDMI, 4K UHD images are displayed at 60 frames per second with a single cable over various modalities. When connected via BNC (12G-SDI), stable transmission is achieved even over long distances of 30 meters.

View Two Signals on One Screen

Two separate signal sources can be viewed simultaneously on one monitor side by side using the PbyP (Picture-by-Picture) or one displayed within an inset window over the other with the PinP (Picture-in-Picture) function. This is useful in cases where vitals or ultrasound endoscopes need to be monitored simultaneously in addition to surgical images.

Output Images Directly to Multiple Monitors

The monitor is also equipped with BNC (12G-SDI), DisplayPort, and DVI output terminals so input video can be passed through and output directly to the next monitor. The same image is displayed on multiple monitors making information sharing among medical staff smooth in the operating room, while alleviating excess cabling.

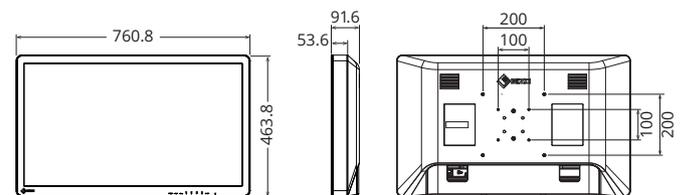
180° Rotation and Mirroring

Regardless of the orientation of the surgical camera, you can rotate the displayed image by 180° or mirror it to find the perfect operating angle. This is useful for aligning the image with the line of sight of surrounding assistants and surgeons, improving convenience in the operating room.

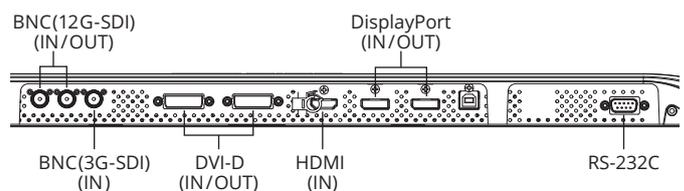
Specifications

Model Variations		EX3242-WT: without stand, white
Panel	Typet	Color (IPS)
	Backlight	LED
	Size	32.0" (81.3 cm)
	Native Resolution	3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)	708 x 399 mm
	Pixel Pitch	0.185 x 0.185 mm
	Display Colors	10-bit colors (SDI / DisplayPort / HDMI): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	850 cd/m ²
	Contrast Ratio (typical)	1800:1
Video Signals	Input Terminals	DisplayPort (HDCP 1.3), HDMI (HDCP 2.2/1.4), BNC (12G-SDI), BNC (3G-SDI), DVI-D (HDCP 1.4)
	Output Terminals	DisplayPort, BNC (12G-SDI), DVI-D
	Digital Scanning Frequency (H / V)	18 - 136 kHz / 23 - 71 Hz
	Color Gamut (typical)	BT.2020 emulation
Power	Power Requirements	AC 100 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	199 W
Features & Functions		Remote control (RS-232C), PbyP, PinP, 180° rotation, Mirroring, Optical Bonding
Physical Specifications	Net Weight (Without Stand)	13.2 kg
	Hole Spacing (VESA Standard)	200 x 200 mm, M6, depth 7 - 12 mm / 100 x 100 mm, M4, depth 7 - 11 mm
Environmental Requirements	Degree of Protection	IP45 (Front), IP32 (Rear)
Certifications & Standards (Please contact the EIZO group company or distributor in your country for the latest information)		CE / UKCA (Medical Device), ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, IEC/EN60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, China RoHS, WEEE, CCC, EAC, BIS
FDA		Class I
Supplied Accessories (May vary by country. Please contact EIZO for details)		AC power cord, AC adapter, screws for VESA adapter x 8, Cable cover, Utility Disk (PDF installation manual), instructions for use
Warranty		3 Years

Dimensions (Unit: mm)



Connectors



You will find your EIZO contact partner at:
<https://eizo-or.com/contact>

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