EIZO
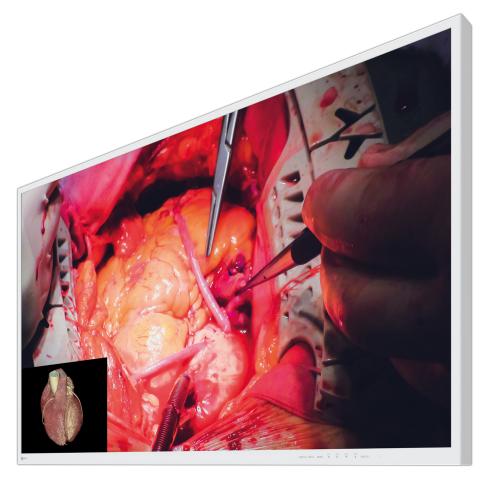
CuratOR® EX4942
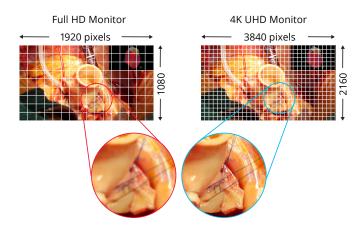

4K

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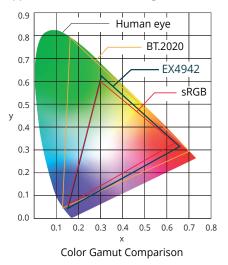
4K UHD Resolution and High Brightness

The monitor uses an energy-efficient LED backlight with a high brightness of 700 cd/m^2. 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.

Wide Color Gamut for Distinguishing Tones

During procedures, the operating surgeon needs to be able to differentiate between varying color tones. The EX4942 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.

Full HD Monitor
1920 pixels
1080

4K UHD Monitor
3840 pixels
2160

Human eye
BT.2020
EX4942
sRGB

y

x

Color Gamut Comparison

CuratOR® EX4942

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.

Fully Flat Design

Operating rooms contain various medical devices that are arranged according to the type of surgery. Safe handling and a sterile environment play a major role. EIZO's surgical monitors adopt a flat design that saves valuable space and promotes easy cleaning and disinfection. Furthermore, the front is covered with a protective glass with IP45 for protection against foreign material and splashes (the whole monitor has an IP32 rating).

Lightweight and VESA Mounting

Conventional large screen monitors often come with challenges during installation due to their heavy weight and limited range of mounting capabilities. The EX4942 boasts a weight of just 25 kg. This makes it much lighter compared to other monitors of this size and thus alleviating difficulty of installation and maintenance. Compliance with the VESA standard allows flexible mounting to common fixtures.

Cable Cover for Safety and Hygiene

With the attached cable cover, the cable connections can be stored neatly out of sight for maintaining a high level of safety and hygiene in the operating room.

Streamlined Connectivity

With BNC (12G-SDI), DisplayPort or HDMI, up to 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.
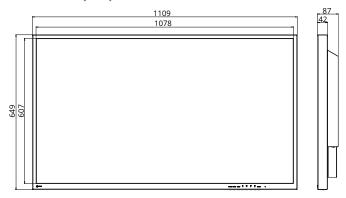
Output Images Directly to Multiple Monitors

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.
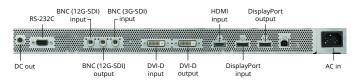
Specifications

Model Variations		EX4942: without stand
Cabinet Color		White
Panel	Type	TFT Color-LCD Panel (IPS)
	Backlight	LED
	Size	124.5 cm / 49"
	Native Resolution	3840 x 2160 (16:9 apect ratio)
	Viewable Image Size (H x V)	1073.8 x 604 mm
	Pixel Pitch	0.279 x 0.279 mm
	Display Colors	10-bit colors (SDI): 1.07 billion colors (maximum) 8-bit colors: 16.77 million colors
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	700 cd/m²
	Contrast (typical)	1100:1
	Response Time (typical)	8 ms (gray-to-gray)
	Gamut Coverage (typical)	BT.2020 emulation
Video Signals	Input Terminals	BNC (3G-SDI), BNC (12G-SDI), DVI-D, DisplayPort, HDMI
	Output Terminals (Loop Through)	BNC (12G-SDI), DVI-D, DisplayPort
Power	Power Requirements	100 - 240 V: 50 - 60 Hz
	Maximum Power Consumption	160 W
OSD Languages		English, German, French, Spanish, Italian, Swedish, Japanese, Simplified Chinese, Traditional Chinese, Russian, Portuguese
Features & Functions		PbyP (Picture-by-Picture), PinP (Picture-in-Picture), Auto Input Detection, Gamma switch, color temperature switch, remote control (RS-232C)
Physical Specifications	Protective Screen	Hardness 9H, laminated glass
	Net Weight	approx. 25 kg
	Screen-to-Body-Ratio	90.2%
	Hole Spacing (VESA Standard)	400 x 200 mm, M8, depth 11 - 16 mm
Environmental Requirements		IP45 (front), IP32 (rear)
Certifications & Standards (Please contact EIZO for the latest information)		CE / UKCA (Medical Device), ANSI/ AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, IEC/EN 60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC
Supplied Accessories (May vary by country. Please contact EIZO for details)		Cable cover, monitor attachment screws x 4, cable tie x 2, Utility Disk (Instructions for Use, Installation Manual)
Optional Accessories		Wall mount FWM6300
Order Number		6GF62008UB10

Dimensions (mm)

Connectivity