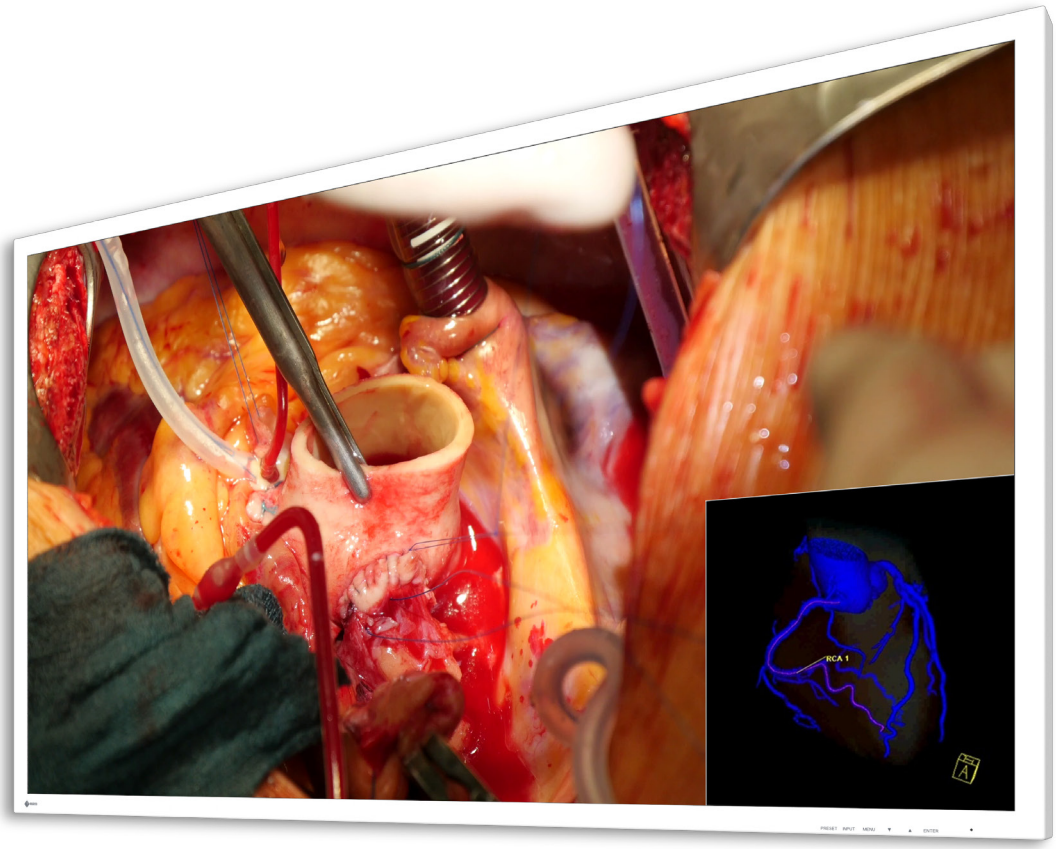
4K Surgical Monitor

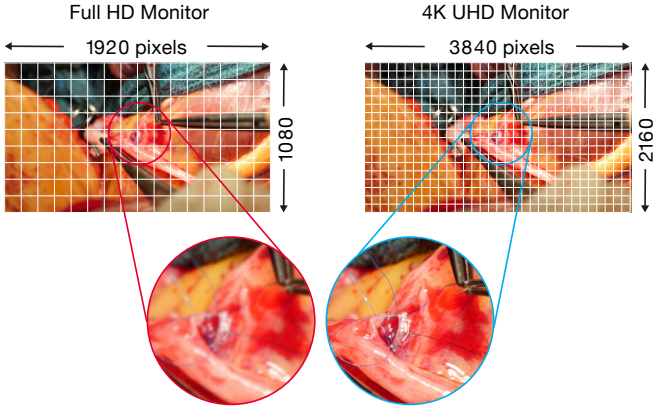
CuratOR® EX5841



58-inch widescreen surgical monitor with 4K UHD display that faithfully reproduces surgical images.

4K UHD surgical display

This monitor uses an LCD panel with an energy-efficient LED backlight, a brightness of 300 cd/m² and a contrast ratio of 1000:1. It displays in 4K UHD resolution (3840 x 2160 pixels), and faithfully reproduces surgical images in high definition for endoscopy and microsurgery.



Delay-free display of images

In single source mode, 4K images, as well as full HD images shot by conventional endoscopy and surgical cameras can be displayed in high definition without any delay, making full use of the monitor's 4K UHD resolution.

CuratOR® EX5841

Flawless picture reproduction

The use of state-of-the-art LCD technology allows distortion-free image geometry. The applied TFT panel enables a very large viewing angle and high brightness. The EX5841 provides a flicker-free picture, even at low refresh rates, thereby adhering to the strictest ergonomic requirements.

Protective screen against damages

The monitor is covered with a protective sreen which helps protect the LCD screen from shock, scratches and dirt. This fully protects the front against foreign material and splashes with a protection rating of IP45; the entire device has IP32 protection.

Viewing multiple signals on one screen

In dual source mode, two separate signal sources can be viewed simultaneously on one monitor screen side-by-side using the PaP (Picture-and-Picture) function. With the PiP (Picture-in-Picture) function a second signal can be displayed above the main signal. The size and position of the display window is adjustable when using PiP. In triple source mode, three signal sources can be displayed on the monitor screen, representing a third signal above two signals displayed side-by-side. This is useful when several images need to be viewed at once such as multiple modalities.

Various input/output signal support

The monitor supports various video input and output signals for connecting to different types of modality equipment. Furthermore, a communication interface allows image switching by external surgical equipment.

4K UHD connection with only one cable

With 12G-SDI (BNC), DisplayPort 1.2, and HDMI, 4K UHD signals can be displayed at up to 60 frames per second with a single cable. Furthermore, all cables can be locked onto the monitor for consistent connection. With the 12G-SDI (BNC) terminal, stable transmission is possible even over long distances of up to 30 m.

Preset functions for easy switching

Various setting such as the input terminal selection, brightness, grayscale tones, color gamut, etc., can be stored in the monitor as preset functions. These settings can be named according to operators' preferences through easy operation of the preset button.

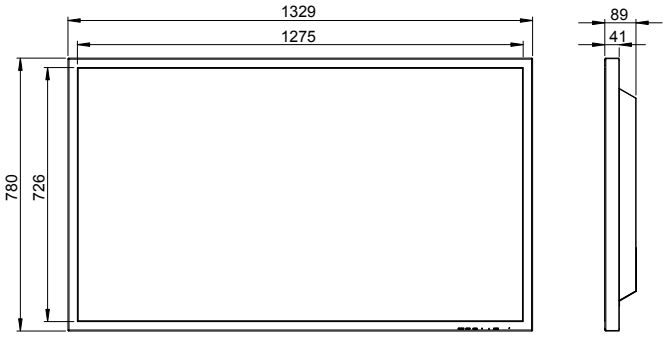
Adjust screens individually

If multipe signal sources are simultaneously displayed on the monitor, each image's display mode (e.g. Gamma or DICOM) can be adjusted without affecting the presentation of the other image. This is perfect for multi-modality use, when endoscope, CT or MRI images are accurately displayed on the monitor.

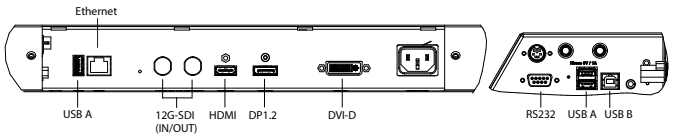
Specifications

Cabinet Color		White (RAL 9002)
Panel	**Type**	Color TFT LCD Panel
	Backlight	LED
	Size	147.3 cm / 58"
	Native Resolution	3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)	1270 x 721 mm
	Pixel Pitch	0.331 x 0.334 mm
	Display Colors	10-bit colors (SDI/DisplayPort): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (calibrated)	300 cd/m²
	Contrast Ratio (calibrated)	1000:1
	Response Time (typical)	9.5 ms (Midtone)
	Wide Gamut Coverage (typical)	NTSC 88%, BT.2020 emulation
Video Signals	**Input Terminals**	DisplayPort 1.2, HDMI, DVI-D Single Link, BNC (12G-SDI)
	Output Terminals (Loop Through)	BNC (12G-SDI)
External Communication Interface		RS232, Ethernet, USB
USB	**Upstream**	USB 2.0: Type-B Hub
	Downstream	USB 2.0: Type-A x 2 USB 2.0: Type-A for service
Power	**Power Requirements**	AC 100 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	appr. 200 W
	Typical Power Consumption	appr. 130 W (at 250 cd/m², native LUT, without external load)
	Power Save Mode	0 W (power switch off) < 20 W (external power off) < 35 W (external power on)
	Power Management	DMPM
Features & Functions		PiP, PaP
Physical Specifications	**Net Weight (without stand)**	≤ 45 kg
	Hole Spacing(VESA standard)	400 x 400 mm and 400 x 200 mm, M8.8, depth 10-15 mm
	Protective Screen	Hardness 9H, laminated glass
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 (Medical Device Directive), IEC/EN60601-1, CAN/CSA C22.2 No. 601.1, ANSI/AAMI ES60601-1, EN60601-1-2 Class B, FCC-B, RCM, RoHS, China RoHS, WEEE
FDA		Class I
Supplied Accessories (May vary by country. Please contact EIZO for details.)		Power cable (eu, us, cn, jp), screws for VESA adapter x 4 (preassembled), CD-ROM (Instructions for Use), general safety instructions

Dimensions (Unit: mm)



Connector



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