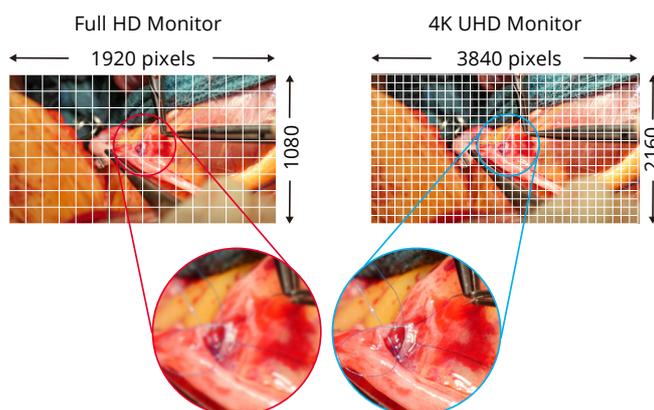


58-inch Widescreen Surgical Monitor with 4K UHD Display that Faithfully Reproduces Surgical Images

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 screen 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, 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

User-specific operating configurations can be saved in the monitor as user presets. Typical operating configurations are saved ex-factory as factory presets. The presets can be selected during operation using the OSD or the Preset key.

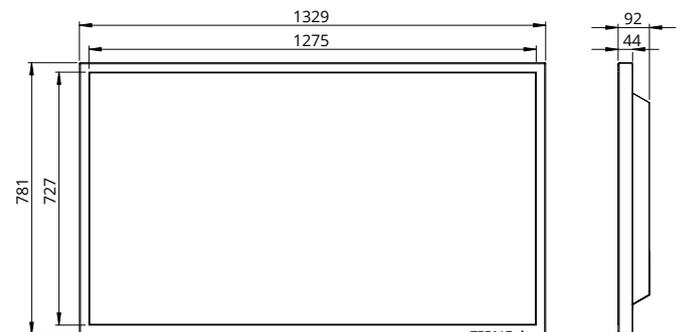
Adjust Screens Individually

If multiple 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 displayed on the same monitor.

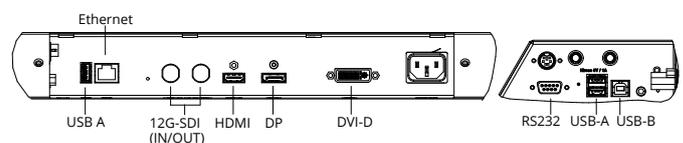
Specifications

Cabinet Color	White (RAL 9002)	
Panel	Type	Color TFT LCD Panel
	Backlight	LED
	Size	146.1 cm / 57.5"
	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/m ²
	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, 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/m ² , 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	
OSD Languages	English	
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, depth 10-15 mm
	Protective Screen	Hardness 9H, laminated glass
Degree of Protection	IP45 (front), IP32 (rear)	
Certifications & Standards (Please contact EIZO for the latest information)	CE / UKCA (Medical Device), 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, CCC, BIS	
FDA	Class I	
Supplied Accessories (May vary by country, please contact EIZO for details)	Screws for VESA adapter x 4 (preassembled), Utility Disk (Instructions for Use, Installation Manual)	

Dimensions (Unit: mm)



Connectors



You will find your EIZO contact partner at:
www.eizo-or.com/contact

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