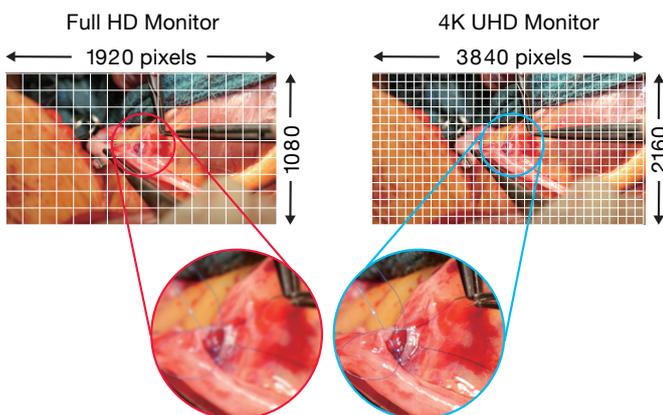


4K UHD
3840×2160

Display high-definition images on this 31.1-inch 4K UHD surgical monitor.

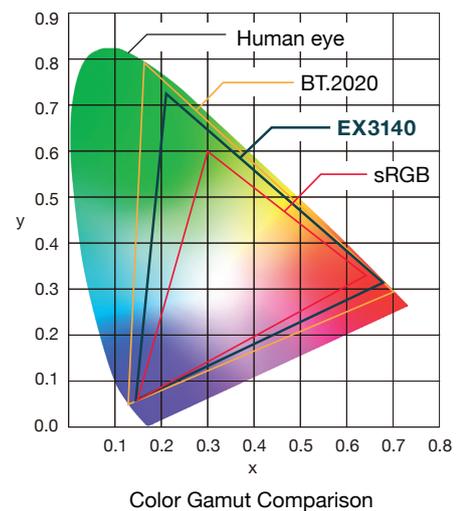
Display Surgical Images in 4K UHD High Resolution

The EX3140 has a resolution of 3840 x 2160 pixels, which is four times the size of a full HD monitor. 4K UHD endoscope and microscope images can be reproduced in high definition. Easily see fine details that are otherwise difficult to distinguish on full HD monitors.



Sharp Color Reproduction with Wide Color Gamut

Not only does the EX3140 faithfully display the sRGB color gamut, but it can also produce images emulating the 4K video color standard BT.2020. It accurately displays BT.2020-compatible camera images, increasing the range of yellowish-green to red.



CuratOR® EX3140

Enhanced Sharpness

The EX3140 is installed with EIZO's proprietary image sharpening technology 'Smart Resolution with Sparse Coding (S.R.S.C.)'. Full HD images shot by conventional endoscopy and surgical cameras can be displayed in high definition without any lag, making full use of the monitor's 4K UHD resolution.

HDR Compatibility

HDR (High Dynamic Range) is a technology that can display colors naturally as seen by the human eye, that cannot be produced by conventional video. The EX3140 uses "PQ (Perceptual Quantization) method" and "HLG (Hybrid Log Gamma) method" gamma settings for HDR use. Images from HDR compatible endoscope cameras can be displayed realistically without crushing blacks in dark areas.

Fully Flat Design

Operating rooms contain various medical devices that are arranged by the type of surgery being undertaken. In consideration of safety, EIZO's surgical monitors adopt rounded corners. Furthermore, the front is covered with a fully flat protective glass and the monitor has a protection rating against foreign material and splashes of IP45 on the front and IP32 in entirety. Also, with the attached cable cover, cables can be stored neatly out of sight, increasing safety and hygiene in the operating room.

Protective Glass

The monitor is covered with protective glass which helps guard the LCD screen from shock and dirt. The glass has a hardness of more than 9H, making it difficult to scratch, even if it accidentally bumps into walls when being moved.

4K UHD Connection with One Cable

The 4K UHD video connection interface is equipped with one DisplayPort 1.2 and Quad Link 3G-SDI (BNC). Using the DisplayPort 1.2 terminal, 4K UHD image can be displayed at 60 frames per second with a single cable. Furthermore, the locking mechanism of a DisplayPort cable means that it cannot be accidentally unplugged, allowing for a consistent and stable connection. With the 3G-SDI (BNC) terminal, stable transmission is possible even over long distances of more than 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 the operator's preference by easy operation of the OSD (On Screen Display) button.

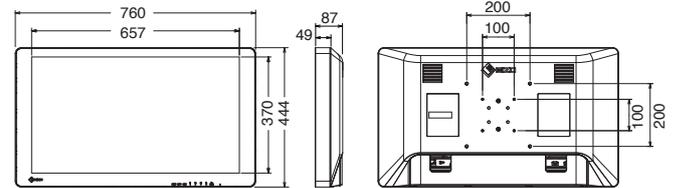
Display Functions

- Rotate or mirror the screen to your viewing needs
- View multiple signal inputs on one screen
- Adjust display mode of separate images independently
- Independently rotate and mirror separate images

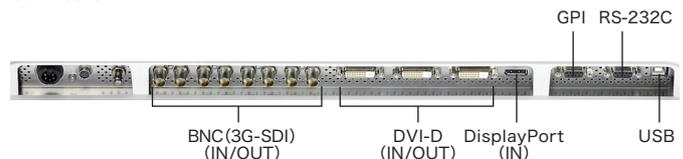
Specifications

Panel	Type	Color (IPS)
	Backlight	LED
	Size	78.9 cm / 31.1"
	Native Resolution	3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)	654 x 368 mm
	Pixel Pitch	0.170 x 0.170 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 (typical)	350 cd/m ²
	Contrast Ratio (typical)	1500:1
Response Time (typical)	20 ms (on / off)	
Wide Gamut Coverage (typical)	BT.2020 emulation	
Video Signals	Input Terminals	BNC (3G-SDI) x 4, DisplayPort x 1, DVI-D x 2 (with HDCP)
	Output Terminals	BNC (3G-SDI) x 4, DVI-D x 1
	Digital Scanning Frequency (H / V)	27 - 135 kHz / 24 - 60 Hz
Power	Power Requirements	AC 100 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	146 W
Features & Functions	Remote control (USB, RS-232C, GPI)	
Physical Specifications	Net Weight (Without Stand)	11.2 kg
	Hole Spacing (VESA Standard)	200 x 200 mm, M6, depth 7 - 11 mm / 100 x 100 mm, M4, depth 7 - 9 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 (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, WEEE, EAC	
FDA	Class I	
Supplied Accessories (May vary by country. Please contact EIZO for details.)	AC power cord, AC adapter, Cable cover, Utility Disk (PDF installation manual), instructions for use	
Warranty	Two Years	

Dimensions (Unit: mm)



Connector



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

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