



A 31.5-inch wide screen surgical monitor with full HD display that faithfully reproduces surgical images.

#### High Definition Surgical Display

This monitor uses an LCD panel with an energy-efficient LED backlight, a brightness of 650 cd/m<sup>2</sup> and a contrast ratio of 1400:1. It displays in full HD resolution (1920 × 1080 pixels), and faithfully reproduces surgical images in high definition for endoscopy and operation microscope feeds.

#### Fully Flat Design for Safety and Hygiene

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 that has protection against foreign material and splashes to a level of IP45 (whole monitor has IP32 rating).

Additionally with the attached cable cover, cables can be stored neatly out of sight, increasing safety and hygiene in the operating room.



# CuratOR® EX3220

## Comfortably View from Any Angle

It has a viewing angle of 178 degrees so images can be viewed from various directions with minimal changes in contrast.

## Protective Panel for Damage Protection

The monitor is covered with a protective panel which helps protect the LCD screen from shock, scratches and dirt.

## Clean and Quiet Fanless Design

The monitor has superior heat dissipating technology, allowing it to stay cool without a fan. This offers an extremely quiet monitor that doesn't disrupt airflow in the operating room. Additionally, because there are no ventilation holes, cleaning is a breeze, so the monitor can easily be disinfected for surgical purposes.

## Rotate or Mirror the Display to Your Needs

Regardless of the orientation of the surgical camera, you can rotate the displayed image by 180 degrees or mirror to find the perfect operating view. This is suitable for matching the image with the line of site of surrounding assistants and surgeons, improving convenience in the operating room.

## View Multiple Signals on the One Screen

Two separate signal sources can be viewed simultaneously on one monitor screen side by side using the PoP (Picture Out Picture) function. Additionally a second signal can be displayed in a corner above the main signal display using PiP (Picture in Picture). The size and position of both displays are adjustable when using PoP or PiP. This is useful when several images need to be viewed at once, such as multiple modalities.

## Adjust Screens Independently from Each Other

When displaying two signal sources side by side on the same screen, each image's display mode (gamma 1.8 - 2.6 or DICOM Preset Mode) can be adjusted without interfering with the other image. This is perfect for multi-modality use, where both endoscope, CT and MRI images can be accurately displayed on the same monitor.

## Independent Rotation and Mirroring

When displaying two signals at the same time, each display can be rotated 180 degrees or mirrored independently from the other.

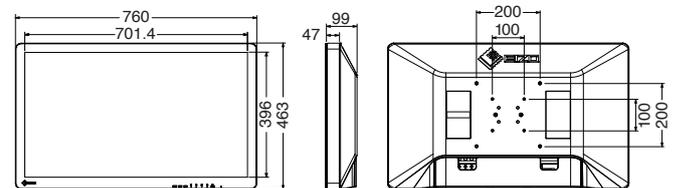
## Various Input/Output Signal Support

The monitor supports various video input/output signals for connecting to various types of modality equipment. Furthermore GPI and RS-232C allows you to externally control input signals and screen rotation, so that you can change the display in conjunction with the settings of the surgical equipment being used.

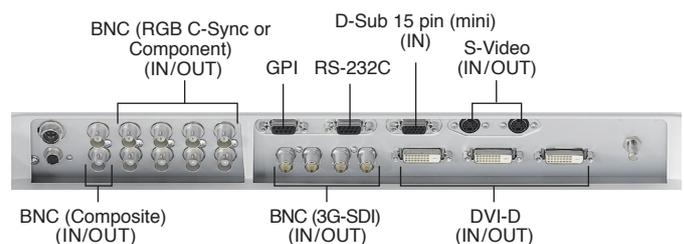
## Specifications

Panel	Type	Color (IPS)
	Backlight	LED
	Size	80.1 cm / 31.5"
	Native Resolution	1920 x 1080 (16:9 aspect ratio)
	Viewable Image Size (H x V)	698 x 393 mm
	Pixel Pitch	0.364 x 0.364 mm
	Display Colors	10-bit colors (SDI): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	650 cd/m <sup>2</sup>
	Contrast Ratio (typical)	1400:1
	Response Time (typical)	16 ms (on / off)
Video Signals	Input Terminals	BNC (3G-SDI) x 2, BNC (Composite) x 1, BNC (RGB C-Sync or Component) x 1 set, S-Video x 1, DVI-D x 2 (with HDCP), D-Sub 15 pin (mini) x 1
	Output Terminals	BNC (3G-SDI) x 2, BNC (Composite) x 1, BNC (RGB C-Sync or Component) x 1 set, S-Video x 1, DVI-D x 1
	Digital Scanning Frequency (H / V)	15 - 75 kHz / 24 - 60 Hz
	Analog Scanning Frequency (H / V)	15 - 80 kHz / 24 - 85 Hz
	Sync Formats	Separate, Composite, Sync on green
Power	Power Requirements	AC 100 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	97 W
Features & Functions		Remote control (RS-232C, GPI)
Physical Specifications	Net Weight (Without Stand)	9.9 kg
	Hole Spacing (VESA Standard)	200 x 200 mm, M6, depth 7 - 10 mm / 100 x 100 mm, M4, depth 5 - 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, China RoHS, WEEE, CCC, 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](http://www.eizo-or.com/contact)

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