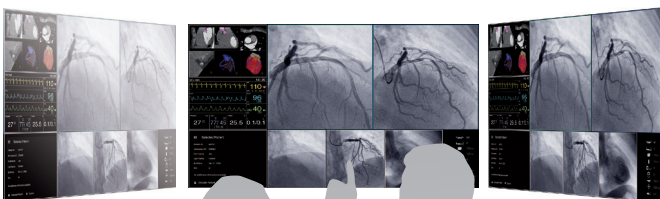# EIZO

CuratOR® LX550W
4K Surgical Monitor

55-inch Monitor for Interventional Radiology and Endoscopy with 4K UHD Resolution

Uniform Image Quality from All Angles

This large-format monitor is fitted with a high-quality IPS panel characterized by a very wide viewing angle. Image reproduction is thus made even more precise and efficient, regardless of the viewing angle.
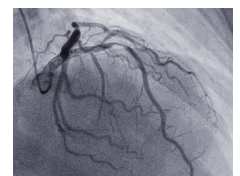

Narrow Viewing Angles

Wide Viewing Angles

Quick On-Site Adjustment

The built-in On-Screen Display (OSD) can quickly adjust the monitor to different image types and the prevailing ambient brightness at the installation site. Service technicians can also quickly and easily adjust the grayscale display on site to suit their needs.
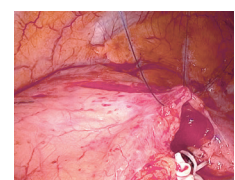
Vascular Pictures

DICOM Part 14

Gamma 2.2

Endoscopic Pictures

CuratOR® LX550W

Everything in a Single Glance

Compared to solutions with multiple monitors, there are no regional color differences or obtrusive bezels between individual image sections on large screen monitors with high resolution, so that users can conveniently display important information on a single screen.

Superimposed Image Display for Emergency Signals

With the Picture-in-Picture (PiP) function multiple source images can be shown at the same time on the LX550W, so as to display a live signal directly on the monitor in an emergency, for instance.

Diagnostic Precision with Factory Adjustment

To ensure the most accurate and consistent images possible, EIZO carefully measures and sets every tone on the production line to offer image quality tailored specifically to medical needs like gamma 2.2 or DICOM Part 14.

Quick Brightness Stabilization for Instant Viewing

EIZO's fully automated stability function makes use of an internal backlight sensor to quickly stabilize the brightness level at startup and to compensate for fluctuations caused by variations in ambient temperature and the passage of time.

Consistency with DICOM Part 14 Calibration

The monitor is calibrated to comply with DICOM Part 14 to offer rendering consistency over time.

Brightness Uniformity Across the Screen

The Digital Uniformity Equalizer (DUE) function provides optimum backlight luminance uniformity which is considered difficult to attain due to the characteristics of LCD monitors, especially with larger screen sizes.

Work Safely with Minimal Picture Delay

With images displayed on the screen in real time, time critical aspects of image distribution are addressed to ensure, for example, safe catheter localization during insertion into an artery.
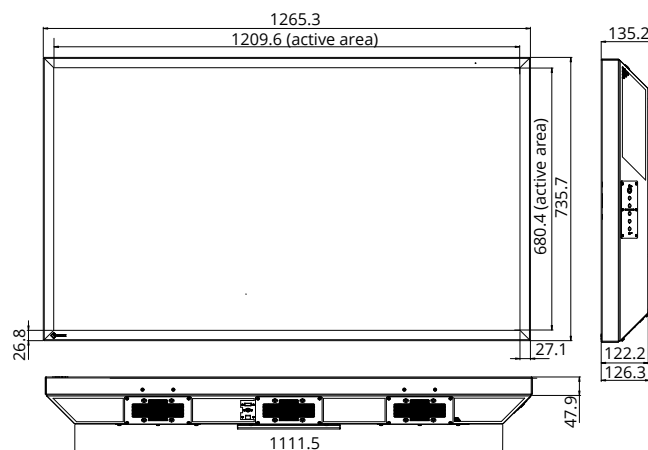
Operational Reliability with Redundant Components

With its redundant components architecture (2 power supplies, 2 backlights), EIZO ensures a high degree of operational reliability. A monitoring function can be configured to notify the X-ray system if, for example, operating conditions become critical or a component fails.
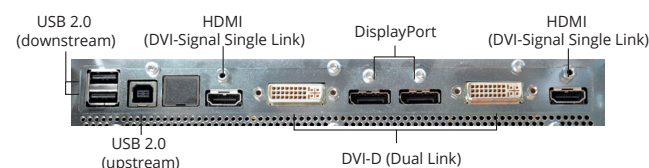
Specifications

Cabinet Color		Black
Panel	Type	TFT Color-LCD Panel (IPS Pro)
	Backlight	LED
	Size	138.8 cm / 55"
	Native Resolution	3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)	1209.6 x 680.4 mm
	Pixel Pitch	0.315 x 0.315 mm
	Display Colors	10-bit colors: 1.07 billion colors
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	700 cd/m²
	Recommended Brightness for Calibration	400 cd/m²
	Contrast Ratio (typical)	1450:1
	Response Time (typical)	10 ms (black to white) 9 ms (white to black)
Video Signals	Input Terminals	DVI-D 24 pin (Dual Link) x 2, DisplayPort x 2, HDMI (DVI-Signal Single Link) x 2
	Digital Scanning Frequency (H / V)	131.3 kHz / 60 Hz
USB	Upstream	USB 2.0: Type-B
	Downstream	USB 2.0: Type-A x 2
Power	Power Requirements	AC 100 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	400 W
	Power Save Mode	25 W
	Power Management	DMPM
Sensor		Backlight Sensor
OSD Language		English
Features & Functions		LUT-Switch (Cal-Switch), Picture-in-Picture (PiP), redundant components (power supply, backlight)
Physical Specifications	Net Weight	41 kg
	Hole Spacing (VESA Standard)	400 x 400 mm, M8, depth 16 - 20 mm
Degree of Protection		IP20
Certifications & Standards (Please contact the EIZO group company or distributor in your country for the latest information)		CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 60601-1:14, ANSI/AAMI ES60601-1:2005, EN60601-1-2 Class B, FCC-B, RCM, RoHS, China RoHS, WEEE, CCC, BIS
Supplied Accessories (May vary by country. Please contact EIZO for details)		AC power cord (eu, us), dual link signal cable (DVI-D - DVI-D) x 2, Utility Disk (PDF Instructions for Use)
Optional Accessories		Protection Screen FPP5500

Dimensions (mm)

Connectors

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