CuratOR® LX3240-MR
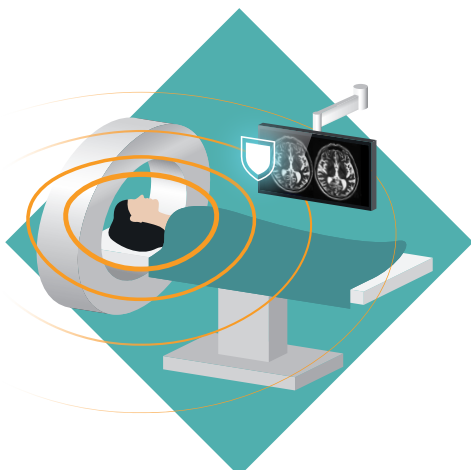
32-inch Monitor with 4K UHD Resolution for Magnetic Resonance Imaging (MRI)

MRI Compatibility

The LX3240-MR is built using special materials to minimize impact on magnetic fields and resonators. Furthermore the monitor is shielded against strong magnetic environments up to 100 mT, allowing it to be placed in proximity to an MRI scanner.

Perfect Picture Reproduction

The TFT panel used enables distortion-free image geometry, a very large viewing angle and high luminance. The monitor provides a flicker-free picture, even at low refresh rates for meeting even the strictest ergonomic requirements.

CuratOR® LX3240-MR

Fully Automated Stability

The LX3240-MR's fully automated brightness stability keeps luminance constant in accordance with medical standards such as DICOM® or Gamma 2.2, for example. The monitor is also equipped with an internal backlight sensor which ensures luminance stays consistent.

Flexible Connection Options

The LX3240-MR has flexible options to connect and display video sources, such as 4K UHD (3840 x 2160) and Full HD (1920 x 1080):
• DisplayPort™ 4K UHD input
• DisplayPort™ FHD input (upscaling Full HD to UHD)
• Two HDMI® connectors supporting DVI signals (upscaling Full HD to UHD)

Five Practice-Oriented Preset Modes

The LX3240-MR is calibrated at the factory with total of five practice-oriented preset modes available. This calibration data allows the monitor to be easily adapted to the respective application and local lighting conditions.
In addition, special application requests from service personnel on site can be taken into account, such as color adjustment or adapting to ambient brightness.
All presets are color matched, so the color impression remains consistent between each unit across all gray scale levels.

Work Safely with Minimal Picture Delay

Images are displayed on the screen in real time, so that the operating surgeon can see all processes directly and without delay on the monitor.

Instant Viewing

The built-in backlight sensor ensures that the screen brightness is quickly stabilized when the system is started, so that the image on the monitor is available within a short time.

Installation on a VESA Mount

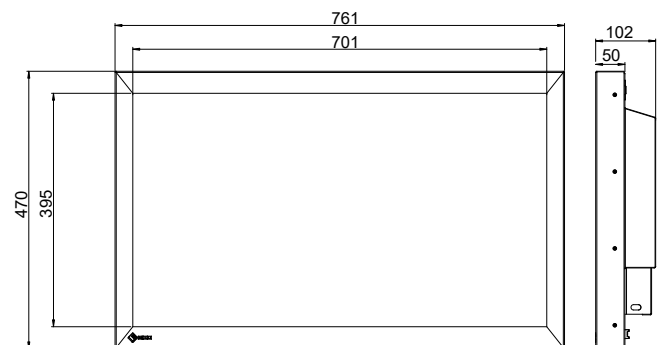Compliance with the VESA standard enables attachment to existing mounting accessories.

Customer Assurance with Medical Standards

The monitor meets the high requirements of international medical safety and EMC standards.
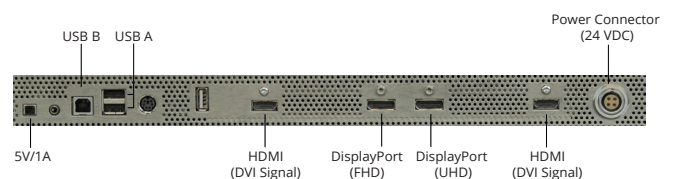
Specifications

Model Variations		LX3240-MR: without stand
Cabinet Color		Black (RAL 7021)
Panel	Type	TFT Color-LCD Panel (IPS)
	Backlight	LED
	Size	80 cm / 31.5"
	Native Resolution	3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)	697.3 x 392.2 mm
	Pixel Pitch	0.181 x 0.181 mm
	Display Colors	10-bit colors: 1.07 billion colors
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	1000 cd/m²
	Recommended Brightness for Calibration	400 cd/m²
	Contrast (typical)	1300:1
	Response Time (typical)	14 ms (midtone)
	Color Gamut (typical)	sRGB
Maximum Magnetic Field		Monitor: 100 mT External power supply: 3 mT
Video Signals	Input Terminals	DisplayPort (4K UHD), DisplayPort (Full HD), HDMI (DVI signal Full HD) x 2
	Digital Scanning Frequency (H / V)	131.3 kHz / 60 Hz
USB	Upstream	USB 2.0: Type-B (communication channel to host)
	Downstream	USB 2.0: Type-A x 2
Power	Power Requirements	AC adapter input: 100 - 240 V: 50 - 60 Hz Monitor input: 24 VDC, 6 A
	Maximal Power Consumption	155 W
	Power Save Mode	20 W (DMPM mode)
	Power Management	DMPM
	Power Output	DC 5V, 1A (Hirose)
Sensor		Backlight sensor
OSD Languages		English
Features & Functions		Cal-Switch
Physical Specifications	Net Weight	17.2 kg +/- 1 kg
	Hole Spacing (VESA Standard)	100 x 100 mm and 200x100 mm, M4, depth 5-10 mm
Environmental Requirements		IP20
Certifications & Standards (Please contact EIZO for the latest information)		CE / UKCA (Medical Device), IEC/ EN60601-1, CAN/CSA C22.2 No. 60601-1, ANSI/AAMI ES60601-1, EN60601-1-2 Class B, FCC-B, RoHS, WEEE
Supplied Accessories (May vary by country. Please contact EIZO for details)		AC adapter + cable (15 m), Utility Disk (PDF Instructions for Use)

Dimensions (mm)

Connectors

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