

## EIZO Releases Its First 4K Ultra-High Definition 3D Surgical Monitor for Improved Accuracy During Surgeries

**Hakusan, Japan, October 9, 2018** – EIZO Corporation (TSE: 6737) today announced the release of the CuratOR EX3141-3D, EIZO's first 31.1-inch 4K UHD (3840 x 2160 pixels) widescreen surgical monitor with 3D display to help improve the accuracy and reduce the duration of surgeries.



CuratOR® EX3141-3D

The EX3141-3D is EIZO's first 4K 3D surgical monitor, achieving both detail and depth for endoscopy and microsurgery. It faithfully reproduces images in 4K UHD resolution at a high brightness of 450 cd/m<sup>2</sup> – even when displaying 3D images. By combining 4K resolution with 3D-recording technology, endoscopic systems are helping to reduce operating times and improve accuracy in the OR. Designed specifically with these systems in mind, the monitor ensures that 3D endoscopic images are displayed clearly and optimally in 4K resolution. Furthermore the monitor comes with optical bonding to improve visibility by reducing reflections on the front of the screen. With high brightness and minimal reflections, images are highly visible even in bright operating rooms.

With EIZO's proprietary image sharpening technology Smart Resolution with Sparse Coding (S.R.S.C.), full HD images shot by conventional surgical and endoscopy cameras are displayed in high-definition 4K resolution without any lag. The monitor also ensures vivid colors by emulating the 4K video color standard BT.2020. Furthermore with HDR support, images are displayed with deep blacks and bright whites, close to the human visual system. These features ensure that images are displayed as close to reality as possible.

The monitor is designed with safety and hygiene in mind. It features rounded corners to prevent injury when moved around the operating room, and it also features a fully flat design which has protection against foreign material and splashes to a level of IP45 on the front and IP32 in entirety. Cleaning and disinfection can be done safely and efficiently without damaging the monitor. It can also contain cables neatly in the supplied cable cover for safe and hygienic use.

The EX3141-3D is EIZO's first surgical monitor to feature 12G-SDI (BNC). Standard 3G-SDI requires four cables to transmit 4K UHD resolution, however with 12G-SDI, 4K UHD resolution can be transmitted at 60 frames per second via a single cable. This fast transmission is also possible with DisplayPort 1.2 or HDMI. Typically HDMI cables cannot be locked into a terminal but this monitor contains a specialized locking mechanism on its side specifically for HDMI. This ensures all cables can be locked onto the monitor for consistent and stable connection. With the 12G-SDI (BNC), stable transmission is possible even over long distances of 30 meters.

EIZO will be demonstrating the CuratOR EX3141-3D in Hall 10/ H41 at Medica 2018 from November 12 to 15 in Düsseldorf, Germany.



### **Availability**

The CuratOR EX3141-3D will begin shipping from January 2019. Date of availability varies by country so contact the EIZO group company or distributor in your country for details.

### **About EIZO**

EIZO (TSE:6737), which means image in Japanese, is a visual technology company that develops and manufactures high-end display solutions. EIZO integrates hardware and software technologies with consulting, web hosting, and other services to help customers in business, graphics, gaming, medicine, maritime, and other fields work more comfortably, efficiently, and creatively. Headquartered in Hakusan, Japan, EIZO has R&D and manufacturing facilities in Japan, China, Germany, and the US, and representation in more than 80 countries. For more information, please visit [www.eizoglobal.com](http://www.eizoglobal.com).

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