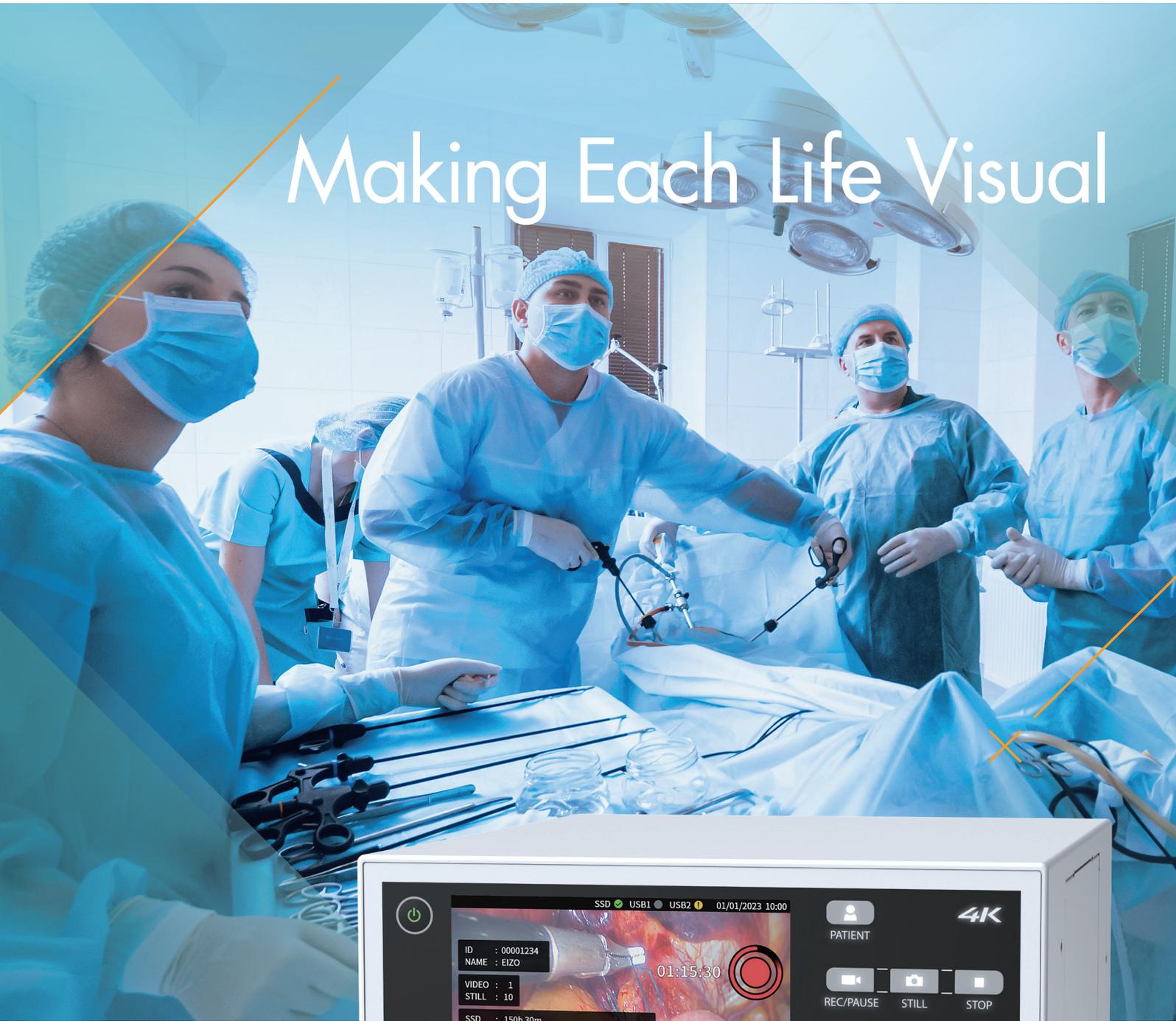




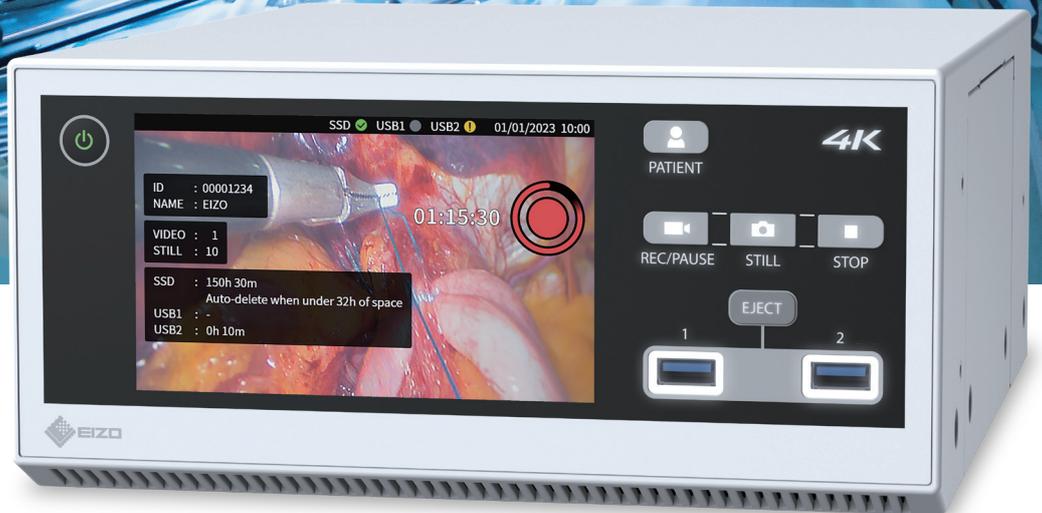
4K Medical Imaging Recorder

CuratOR[®] MIR-1

Making Each Life Visual



4K



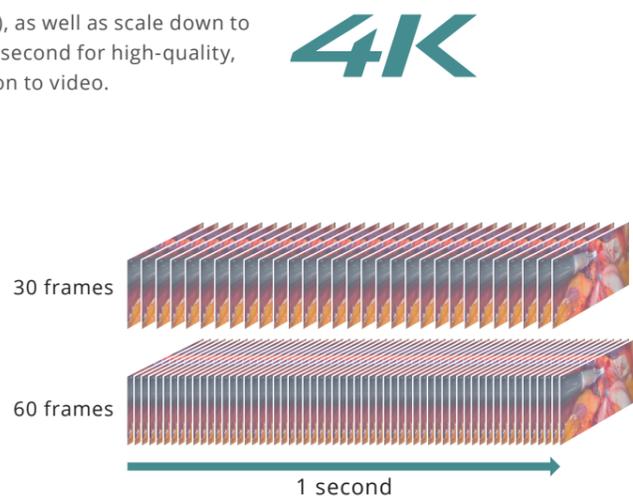
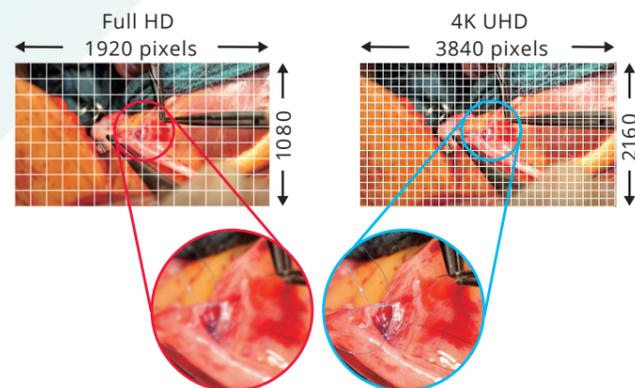
4K/60p Recorder for Archiving Surgical Video and Images

The MIR-1 records medical imaging from endoscopy, operating microscopes, or surgical field cameras in high-quality 4K/60p. It can be used to facilitate medical education, training, and research with video recordings of surgical procedures.

High-Quality Recording of 4K Surgical Video

The MIR-1 can natively record video at 4K UHD (3840 x 2160 pixels), as well as scale down to Full HD (1920 x 1080 pixels) resolution. It records at 60 frames per second for high-quality, smooth images. It can also capture and store still images in addition to video.

Full HD and 4K signal sources cannot be recorded simultaneously.



4K

Connectivity with a Wide Range of Modalities

The BNC (12G-SDI) and HDMI® video input connectors support up to 4K UHD (3840 x 2160 pixels) resolution for highly detailed video from endoscopes, operating microscopes, and surgical field cameras.



High-Speed, Robust Internal Memory

The MIR-1 is equipped with a high-speed SSD (solid state drive) that is highly robust and resistant to vibration and shock. With a large capacity of 2 terabytes, up to 175 hours of 4K video or 885 hours of Full HD video can be stored in its internal memory.

Recording time varies depending on recording conditions.



H.264 and H.265 Video Compression

The MIR-1 supports the H.264 (AVC) and H.265 (HEVC) compression standards. H.264 offers a wide range of compatibility with devices and browsers, and H.265 is a newer standard that offers higher compression rates without sacrificing image quality. Operators can select the compression standard based on the playback or streaming needs of the recorded surgical video.



Intuitive Operation

The 5-inch front panel uses analog resistive touch technology to allow operation even when wearing gloves. Buttons for basic operations, such as record start/stop and still image capture are intuitive and responsive. The front panel displays at high brightness for clear visibility within the operating room.



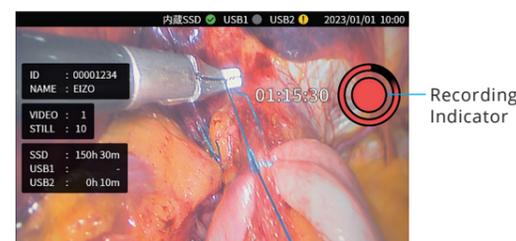
Register Patient Information

Details for each recorded surgical procedure, such as patient name and ID, can be registered to the MIR-1 for organized management of video files. The MIR-1 can also register patient ID information from barcode readers.



Easily Confirm Recording Status

A recording indicator on the front panel allows the operator to confirm at a glance that the surgical procedure is being recorded. In addition, when used with EIZO's Curator EX-series of surgical monitors, the MIR-1's recording status can be displayed on the monitor, allowing the surgeon to check it without looking away from the monitor.



Simultaneous Recording to External Media

Two USB 5Gbps ports on the front allow operators to record to external media, such as a USB HDD (hard disk drive) or portable USB SSD, in addition to the internal storage. The MIR-1 also allows data transfer from internal storage to external media. This is useful for reviewing the video in conference rooms or editing for educational use or other purposes.



Easy Cleaning

The MIR-1's flat front design makes it easy to clean for a safe and hygienic environment.

Safely Store Data During Recording

An internal circuit ensures that recorded data is safely stored in internal storage, even if power to the unit is suddenly disrupted.



Rest Assured with Medical Standards

The MIR-1 complies with the medical standard IEC 60601-1 to ensure safe operation in medical environments.

Information Security

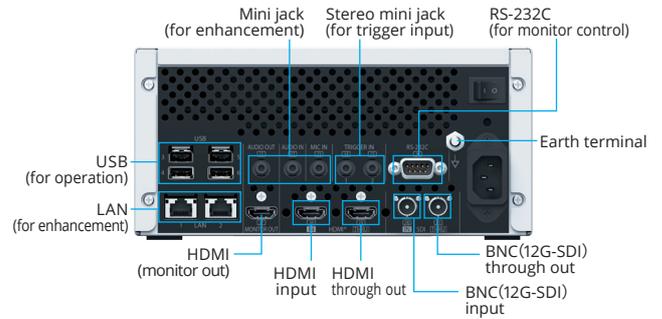
The MIR-1 allows recorded data to be deleted from the internal memory. This ensures sensitive information stays protected if the unit is disposed of.



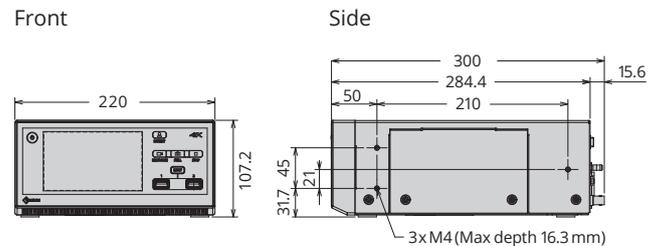
Specifications

Video Recording	Compression	H.264, H.265
	Format	MP4
	Resolution	3840 x 2160 max.
	Frame Rate	60 fps, 30 fps
Image Capture	Format	JPEG
	Resolution	3840 x 2160 max.
Storage	Internal	2TB SSD
	External Media	USB HDD, USB SSD
Video Input	Connectors	BNC (12G-SDI), HDMI
	Resolution	3840 x 2160 max.
Video Output	Through-Out	BNC (12G-SDI), HDMI
	Monitor-Out	HDMI (1920 x 1080)
Audio Input	Line-In	3.5 mm stereo mini jack (for enhancement)
	Mic-In	3.5 mm mini jack (for enhancement)
Audio Output	Line-Out	3.5 mm stereo mini jack (for enhancement)
	Speaker	Integrated
Other Interfaces	USB	USB 5Gbps: Type-A x 2 (at front for storage) USB 2.0: Type-A x 4 (at rear for operation)
	LAN	RJ-45 x 2 100BASE-TX, 1000BASE-T (for enhancement)
	Serial Interface	RS-232C
	Trigger Input	3.5 mm stereo mini jack x 2
	Touch Panel	5" color LCD, analog resistive
	Power Input	AC100 - 240 V, 50 / 60 Hz
Net Weight	Approx. 4.0 kg	
Installation	Flat, rack mounting holes: M4 x 3 on both sides	
Environmental Requirements	Operating	Temperature: 0-40 °C, Humidity: 20 - 80 % (R.H., non condensing)
	Storage	Temperature: -20-60 °C, Humidity: 10 - 90 % (R.H., non condensing)
Certifications & Standards (Please contact EIZO for the latest information)	CE / UKCA (Medical Device), ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, IEC/EN60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RoHS, China RoHS, WEEE, CCC	
FDA	Class I	
Supplied Accessories (May vary by country. Please contact EIZO for details.)	AC power cord, HDMI cable, clamper for HDMI cable x3, instructions for use	

Rear Connector



Dimensions (Unit: mm)



Accessory

Foot Switch FS500



A foot switch with a 5 meter cable (sold separately) can be used for basic operations such as start/stop recording or still image recording. This is useful in environments where the medical staff cannot reach the recorder directly during surgery.

CuratOR® 4K Imaging Chain

Capture

Display

Record

4K/60p Surgical Field Camera System SC430-PTR

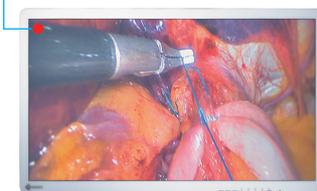
The SC430-PTR clearly captures the surgical field in 4K UHD resolution, and comes fully integrated with a triaxial camera mount for versatile positioning.



4K Surgical Monitors EX-Series

The MIR-1's recording status can be displayed on the surgical monitor, allowing the surgeon to check it without looking away from the monitor.

Recording Indicator



4K Medical Imaging Recorder MIR-1

The MIR-1 records medical imaging from endoscopy, operating microscopes, or surgical field cameras in high-quality 4K/60p.



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

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