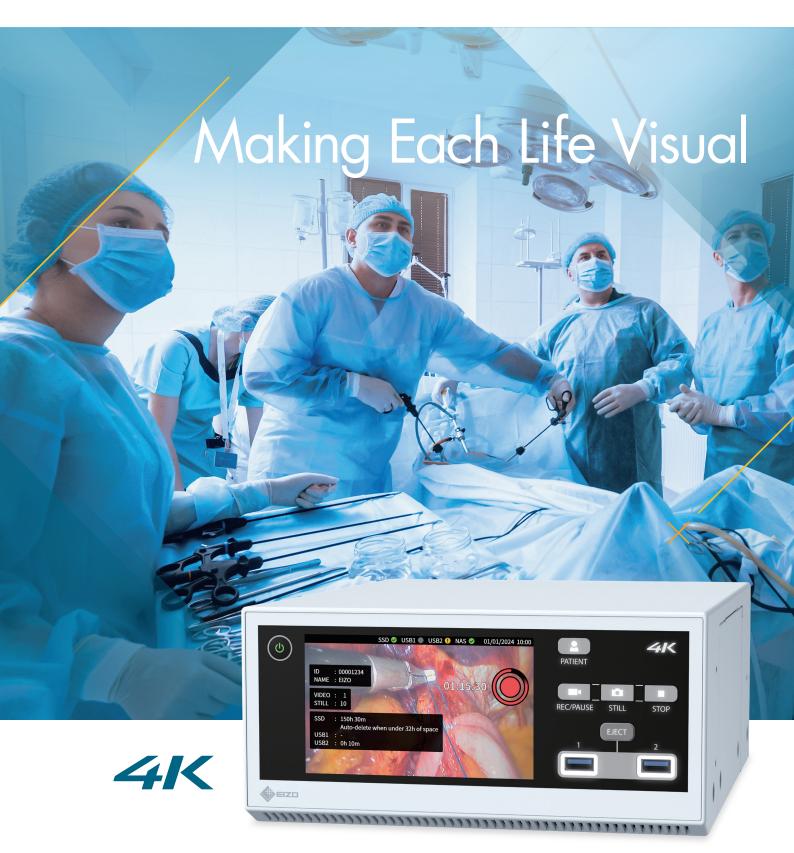


# CuratOR® MIR-1



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 faciliate medical education, training, and research with video recordings of surgical procedures.

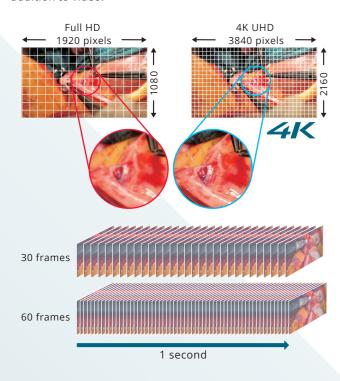
#### Connectivity with a Wide Range of Devices

The MIR-1 is equipped with BNC (12G-SDI) and HDMI<sup>®</sup> video input terminals that support up to 4K UHD (3840 x 2160) resolution at 60 frames per second. With a single unit, you can connect to both existing Full HD equipment and the growing number of 4K devices.



## 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.



#### High-Speed, Robust Internal Memory

The MIR-1 is equipped with a highspeed 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.

# Simultaneous Recording from Multiple Devices

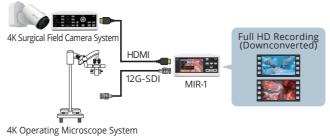
The MIR-1 supports dual-channel input, allowing simultaneous recording of video from various devices in the operating room, such as endoscopic systems and patient monitors.

4K input signals are downconverted to Full HD when recording simultaneously.

#### ■ Connect 4K Device for Recording



#### ■ Connect Two 4K Devices for Simultaneous Recording



# H.264 and H.265 Video Compression

The MIR-1 supports both widely adopted H.264 (AVC) and H.265 (HEVC), which delivers twice the compression efficiency without compromising image quality. Operators can select the optimal compression standard based on their playback or editing requirements for the recorded surgical video.



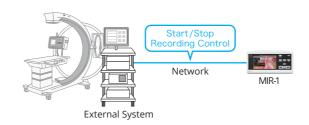
#### Intuitive Operation

Basic functions such as record start/stop and image capture are performed using physical buttons, while patient ID entry and system settings are accessed via a 5-inch touchscreen. The bright, analog resistive technology ensures clear visibility and reliable touch, even with surgical gloves.



#### Network-Based External Control

By utilizing an API (Application Programming Interface), external control of the MIR-1 is possible over a network, such as starting and stopping recording.



### Information Security

The MIR-1 supports username/ password authentication to block unauthorized access. Users can delete stored data to protect sensitive information before disposal or off-site maintenance.



# 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.



#### The MIR-1 complies with the international medical standard IEC 60601-1 and with medical device class 1 of the US FDA and European MDR to

ensure safe operation in medical environments.

#### Link Patient Information to Recorded Data

The MIR-1 enables patient information such as name, ID, and surgical details to be added directly to recorded videos for streamlined management. Patient ID can also be registered quickly using a barcode reader.

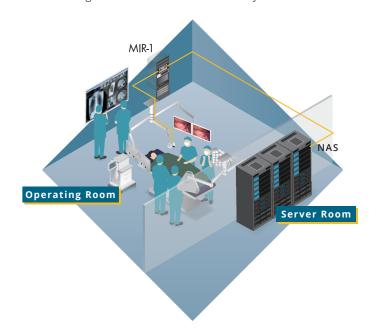


As a paid optional feature, the MIR-1 supports DICOM® Modality Worklist (MWL) integration, allowing patient data from examination orders to be retrieved via the hospital network.



#### Network Transfer

The MIR-1 can record video data directly to a NAS (Network-Attached Storage) file server during operation, or transfer to the NAS after recording is complete. This eliminates the need to attach or remove USB HDDs/SSDs, streamlining the workflow and reducing the risk of data loss or security breaches.



# 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, alongside the MIR-1's internal storage. Recorded video data can also be transferred from internal storage to USB HDD/SSD devices as needed.





#### 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.



#### Clearly Display Recording Status on the Monitor

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.



#### Accessory

#### Foot Switch Control

A foot switch (optional, sold separately) can be used to perform basic operations such as start/stop recording and still image capture. This allows the operator easily control basic functions using their foot, even when distant from the recorder, and keep their hands free to focus on the operation.





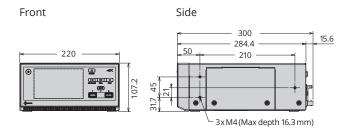


Cable length: 5 meters

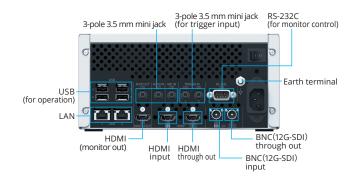
# **Specifications**

Video Recording	Compression	H.265, H.264
	Format	MP4, TS
	Resolution	3840 x 2160 max.
	Frame Rate	60 fps, 30 fps
Image Capture	Format	JPEG, TIFF
	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-pole 3.5 mm mini jack
	Mic-In	3-pole 3.5 mm mini jack
Audio Output	Line-Out	3-pole 3.5 mm mini jack
	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 (1000BASE-T, 100BASE-TX)
	Serial Interface	RS-232C
	Trigger Input	3-pole 3.5 mm 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), cTÜVus, IEC/EN60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, ROHS, China ROHS, WEEE
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

#### Dimensions (Unit: mm)



#### Rear Connector





You will find your EIZO contact partner at:

www.eizo-or.com/contact

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