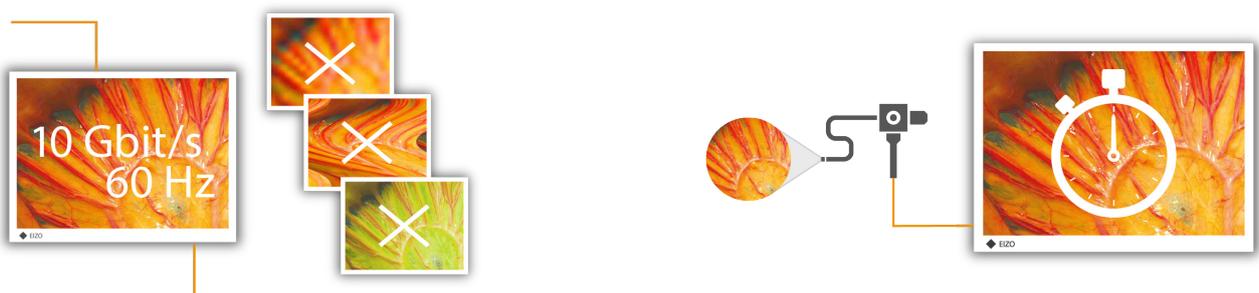# TIP0810

IP Transceiver that Transmits Video, Audio, and Control Data up to 4K for the OR

Lossless Transmission up to 4K

TIP0810 transmits data up to 4K UHD resolution (3840 x 2160) at 60 Hz with speeds as high as 10 Gbps. The device achieves this without compression, ensuring optimum image quality.

Instantaneous Image Viewing

Images are transmitted without any visual delay, offering a seamless hand-eye coordination experience for the attending physician. He/she receives direct visual response to his/her actions, for example during endoscopic interventions.

TIP0810

Extensive Transmission Distance

Data is transmitted via fiber-optic cable, enabling transmission distances of up to 10 kilometers. As a result, not only separate rooms, but entire buildings can be linked to one another, with up to 4K image data and audio seamlessly transmitted between them. This is useful for transmitting data within and outside of the OR, as well as to conference rooms, lecture halls, and other locations.

Universal Application

The TIP0810 can be used for both encoding and decoding data. This simplifies installation and saves on time and labor costs associated with storage and maintenance of the entire system.

Scalable System

The TIP0810 is fully compatible with the IP Transceiver TIP0210-DVI and TIP0410. This makes integration scalable and cost-efficient. Furthermore, existing installations can be extended with the TIP0810 to support 4K modalities.

Remote Operation Possible

IP-based data transmission enables the use of the same network cables for the transmission of all information, whether image, audio, video, or control of a keyboard and mouse. For example, a computer in a remote computing center can be operated via the EIZO system directly from OR.

Integrated Video Management

Various video sources can be displayed simultaneously on a screen using a single cable to enable various multiple views.

Passive Cooling

TIP0810 implements passive cooling for noiseless operation and minimal mechanical wear. This also eliminates any interference with the laminar flow in the OR to prevent unwanted movement of dust particles and bacteria.
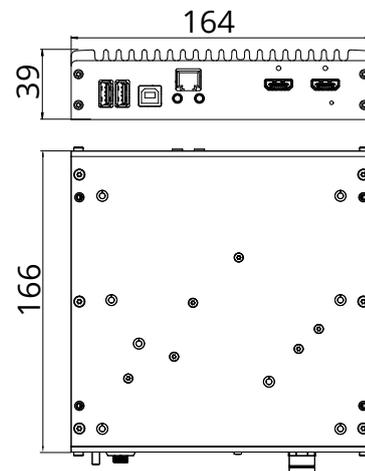
Integration into Existing Systems

TIP0810 is compatible with a wide assortment of commercially-available network components and can be integrated seamlessly into existing systems and applications.
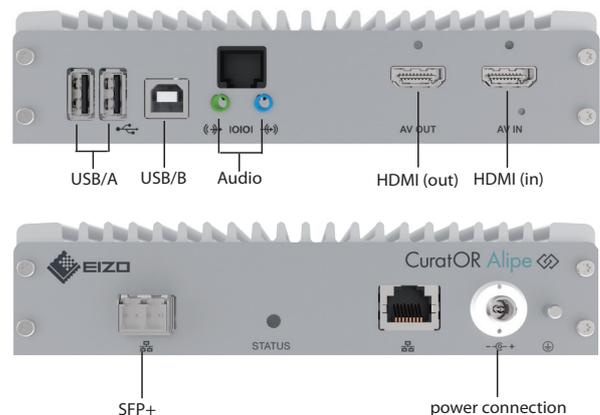
Specifications

Cabinet Color		Silver
Network	Data Rate	10 Gbit/s
	Connector	SFP+ (10 GbE, optional SFP+ module)
	Cable	LWL duplex LC/LC (SFP+ module necessary)
Video	Input Resolution	Up to 4K (3840 x 2160), 1 x uncompressed, 60 Hz
	Output Resolution	Up to 4K (3840 x 2160), 1 x uncompressed, 60 Hz
	Interface	HDMI® (in), HDMI® (out)
	Modes	Single In / Single Out (up to 4K/60Hz)
	Multiview	Side-by-Side, Picture-in-Picture, QuadView
Connectors	Audio	Audio jack x 2 (in/out)
	USB Ports	USB/A x 2, USB/B
Control		Mouse and keyboard control
Services		Remote diagnosis, remote firmware update
Power Consumption		17 W, optional: 5 W (for USB), passive cooling
Power Requirements		External power supply, 230 AC
Net Weight		1050 g
Certifications & Standards (Please contact EIZO for latest information)		CE / UKCA, IEC/EN 62368-1, testet for IEC60601-1-2, RoHS, Reach, WEEE
Optional Accessories		Optical module (SFP+ 10G LC), power supply, connecting and mounting accessories

Dimensions (mm)

Connectors

USB/A USB/B Audio HDMI (out) HDMI (in)

SFP+ power connection

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