



Operating Room Solutions  
**CuratOR**<sup>®</sup>  
SOFTWARE

EN



EXPERIENCE THE FUTURE OF  
OPERATING ROOM TECHNOLOGY

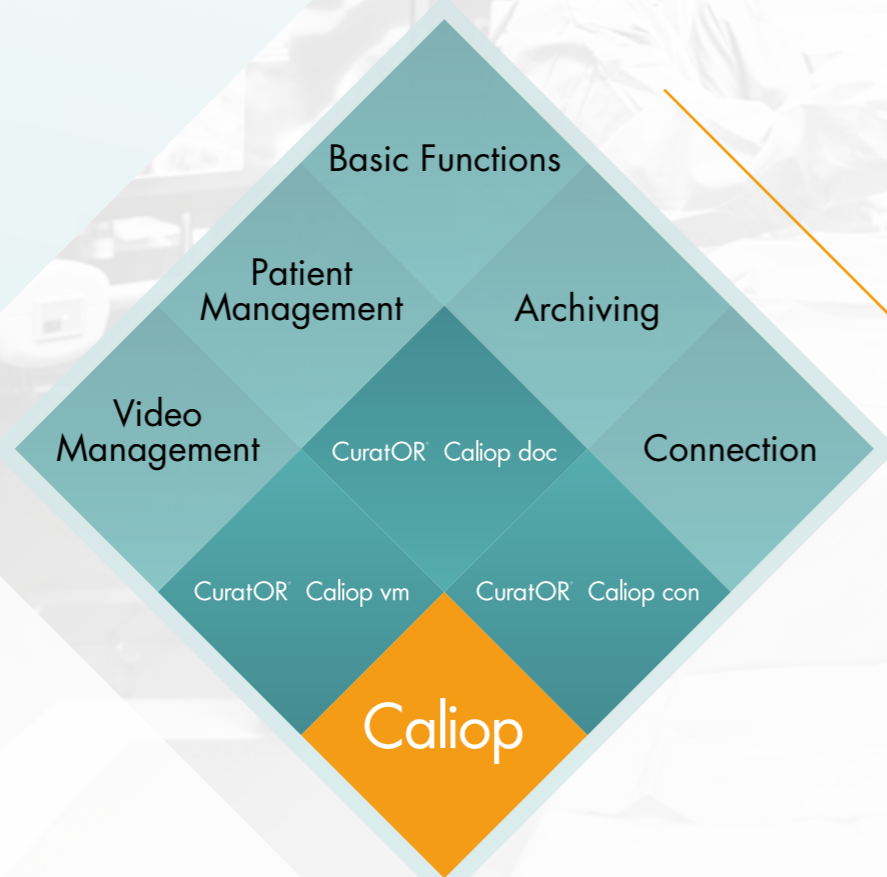
# CuratOR<sup>®</sup> Caliop

## THE SOFTWARE FOR EFFICIENT OR INTEGRATION

The constantly growing number of medical devices and equipment used in the OR is a major challenge for OR and nursing staff. This is because, even in stressful situations, they have to be able to operate the equipment without making an error. Different user interfaces and systems that are not compatible with one another sometimes force the OR team into using awkward workflows.

With CuratOR Caliop, EIZO has developed a software that can reproduce all processes only on one platform.

- Simple and intuitive menu navigation
- Manufacturer-independent integration
- Designed for use with mouse and touchscreen as well as remotely (foot switch/endoscope head buttons)
- Only one user interface is necessary
- Modularly extendable, additional elements can be purchased later
- Saves time and money
- Uncomplicated administration



For more than 50 years, the name EIZO has stood for high-quality visual display solutions. Users worldwide depend on the quality and reliability of EIZO products.

With CuratOR, EIZO offers complete solutions for the operating room, control room and interventional radiology.

An all-in-one software solution was developed by EIZO for the operating room that supports the seamless interaction of all components with the ability to integrate third-party components – CuratOR Caliop.

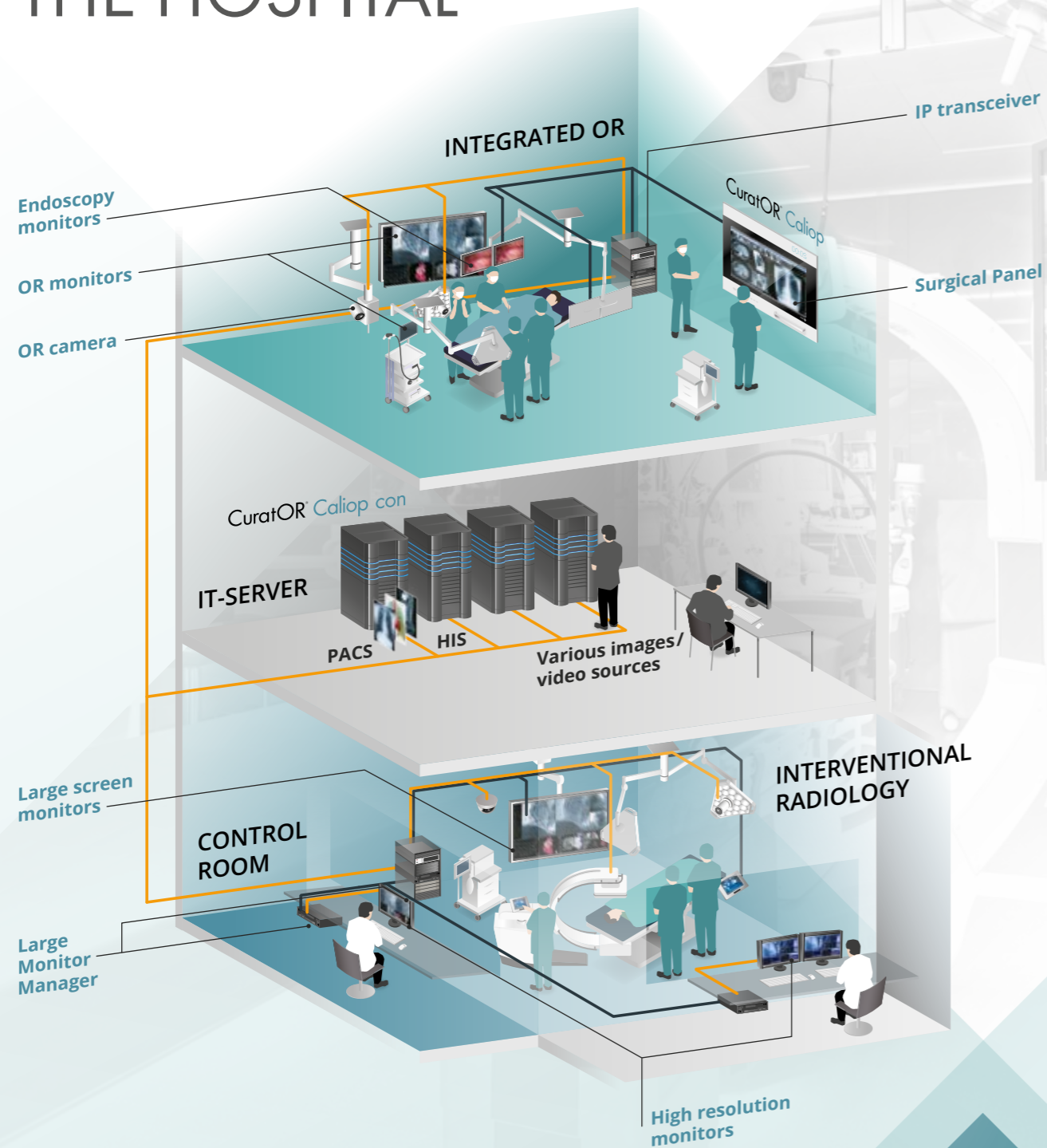
CuratOR Caliop consists of different elements which can be separately purchased based on need. The elements bring together the various functional units of the software, the modules, in a sensible manner.





# CuratOR® Caliop

## LINKING THE HOSPITAL



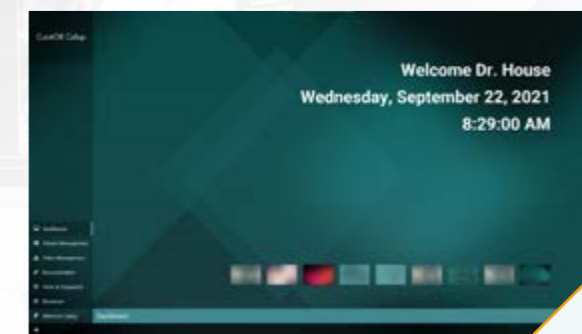
# CuratOR® Caliop basic

## BASIC FUNCTIONS

Caliop comes equipped with a series of basic functions that support workflows in the OR.

### Dashboard

Important information can be clearly displayed on the dashboard. The configuration of the dashboard can be set-up and saved individually for each operating room.



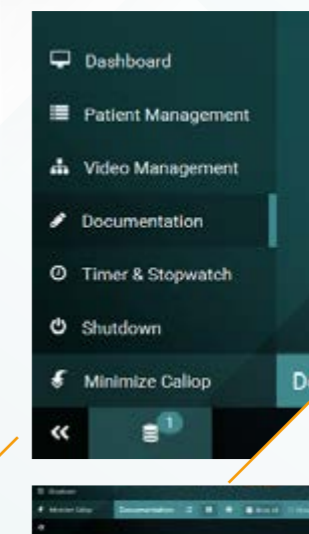
### Select Design

The required design for the Caliop user interface can be selected in the dashboard.



### Transparency

In addition to the Main Menu Bar on the left, which integrates all of Caliop's modules, a Task Bar at the bottom displays all running processes with their respective status.



### Stopwatch and Timer

Stopwatches and timers are created in a particularly effective design. Two clocks that surgeons can check at a glance can be running at the same time.



# CuratOR® Caliop vm

## VIDEO MANAGEMENT

In addition to the Caliop basic functions, such as dashboard, stopwatch and timer, the element Caliop vm enables all available video sources to be managed.



In the Video Management module, all image and video sources connected to the EIZO medical equipment are displayed clearly arranged in the top line and in a thumbnail image (or optionally with a permanent image). The middle line shows the connected display elements, such as external monitors on the ceiling mount. The bottom line shows the available layouts.

### INTUITIVE VIDEO MANAGEMENT

At the click of a mouse or simple touch, a video source can be selected and assigned to the desired monitor or layout. An existing connection is displayed visually. The size of the displayed sources and the targets can be changed using the scaling buttons.

# CuratOR® Caliop doc

## DOCUMENTATION AND ARCHIVING

The Caliop doc element enables all available video sources to be documented and archived. In addition, Caliop basic functions such as dashboard, stopwatch and timer are available.



The Patient Management module allows you to manage a list of patients. Patients can be created according to the existing data.

The Video Management module displays the available recording devices. Buttons can be used to start and stop recording of the assigned video sources. Additional buttons are used to create snapshots during a recording.

The module Archiving shows all images that have been taken. This can occur in any preferred view which can be selected via the module bar. From this list of the images taken, the user can select and display separately the recordings to be archived by mouse click or by touching the screen.





# CuratOR® Caliop con

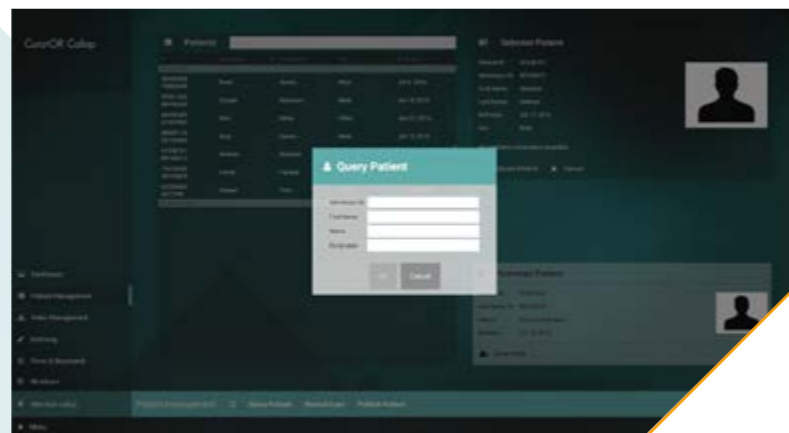
## CONNECTION

The element Caliop con realizes the software connection to the DICOM worklist and PACS as well as HL7 ADT/ORU.



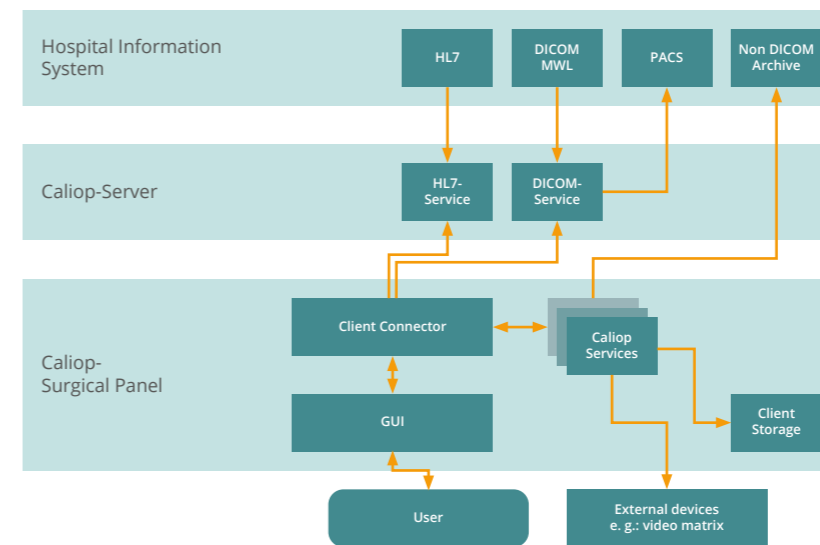
The module Connection enables Caliop doc to be integrated into the hospital information system. Patient data therefore are available in Caliop without media disruption. As such, recorded videos and snapshots can be linked to the patient data of the hospital information system and archived.

The connection via DICOM worklist and HL7 ADT/ORU supports the selection of patient data from the hospital's IT infrastructure. DICOM storage is used to export images generated during surgery. It is also possible to connect to non-medical archives.



## TECHNICAL DATA

Elements (software packages)	Caliop basic	Basic Functions
	Caliop vm	Basic Functions + Video Management
	Caliop doc*	Basic Functions + Patient Management + Archiving *in conjunction with Caliop vm only
	Caliop con**	Connection **in conjunction with Caliop doc only"
Basic functions	Dashboard	Displays general information, such as the name of the hospital, displays selection of available background images
	Stopwatch and timer	Several timers and countdowns can be set and running at the same time
Modules	Video Management	Manages all video sources and targets, assigns to source and the desired destination by click/touch, layout selection, scale the size of the display by using buttons to adapt to a different number of signals, optional control functions via remote control (for example, endoscope camera head buttons or foot switch)
	Patient Management	Manages patient data, downloads the patient list from HIS via DICOM or HL7, enables manual creation of patients
	Recording	Records sequences of all available video sources, parallel screenshot function
	Archiving	Displays and stores all recorded files, users can select between different views, various storage options (e.g. USB medium, PACS, different hospital archiving destinations)
	Connection	Connection to the hospital's data interfaces using DICOM worklist and HL7 ADT/ORU, export using DICOM storage or connection to non-medical archive
System requirements	Client	Operating system: Windows 10 Hardware (minimum): Intel Core i5; 8 GB RAM; 120 GB SSD HD; Ethernet; USB 3.0; framegrabber (for recording); graphics board with FullHD support
	Server	Operating system: Windows 10; Hardware (minimum): Intel Core i5; 8 GB RAM; 120 GB SSD HD; Ethernet





# CITY HOSPITAL DORNBIRN, AUSTRIA

The Dornbirn Hospital modernized the video systems of its new operating theater building with EIZO CuratOR solutions. In every OR, two CuratOR Surgical Panel (SP1-24 and SP2-46T-24) are used as the heart of the imaging system, and they are operated using the EIZO CuratOR Caliop software. The hospital uses video-over-IP technology with the EIZO CuratOR Alipe system for fast video transmission.



CuratOR Caliop enables simple integration into the existing IT structure and supports all work processes in the hospital. The retrieval of data from the clinic's central PACS and HIS takes place directly on the system. The OR staff has access to all important information at all times.

Furthermore, CuratOR Caliop represents the higher-level control system of the entire video-over-IP solution with CuratOR Alipe.

„Our staff is enthusiastic about the video systems. The operation of the individual elements is simple, quick and clear. We can now access numerous new features, but our work processes did not have to change. The EIZO system fits in perfectly with our day-to-day operations in the OR.“

**Peter Palombo**  
Technical Director of Dornbirn City Hospital



„The Caliop User Interface provides particularly user-friendly menu guidance. The icons are clearly defined and training is not required in order to use them. Operation is child's play.“

**Alexander Schmidt**  
Hybrid OR technician at INCCI



# CARDIAC HOSPITAL INCCI, LUXEMBOURG

At INCCI, the Luxembourg Cardiac Hospital, challenging, minimally-invasive surgical procedures are carried out in modern hybrid OR suites. INCCI relies on proven EIZO hardware (including the SP2-24-49 Surgical Panel) to display medical images as well as, EIZO software CuratOR Caliop for OR integration.

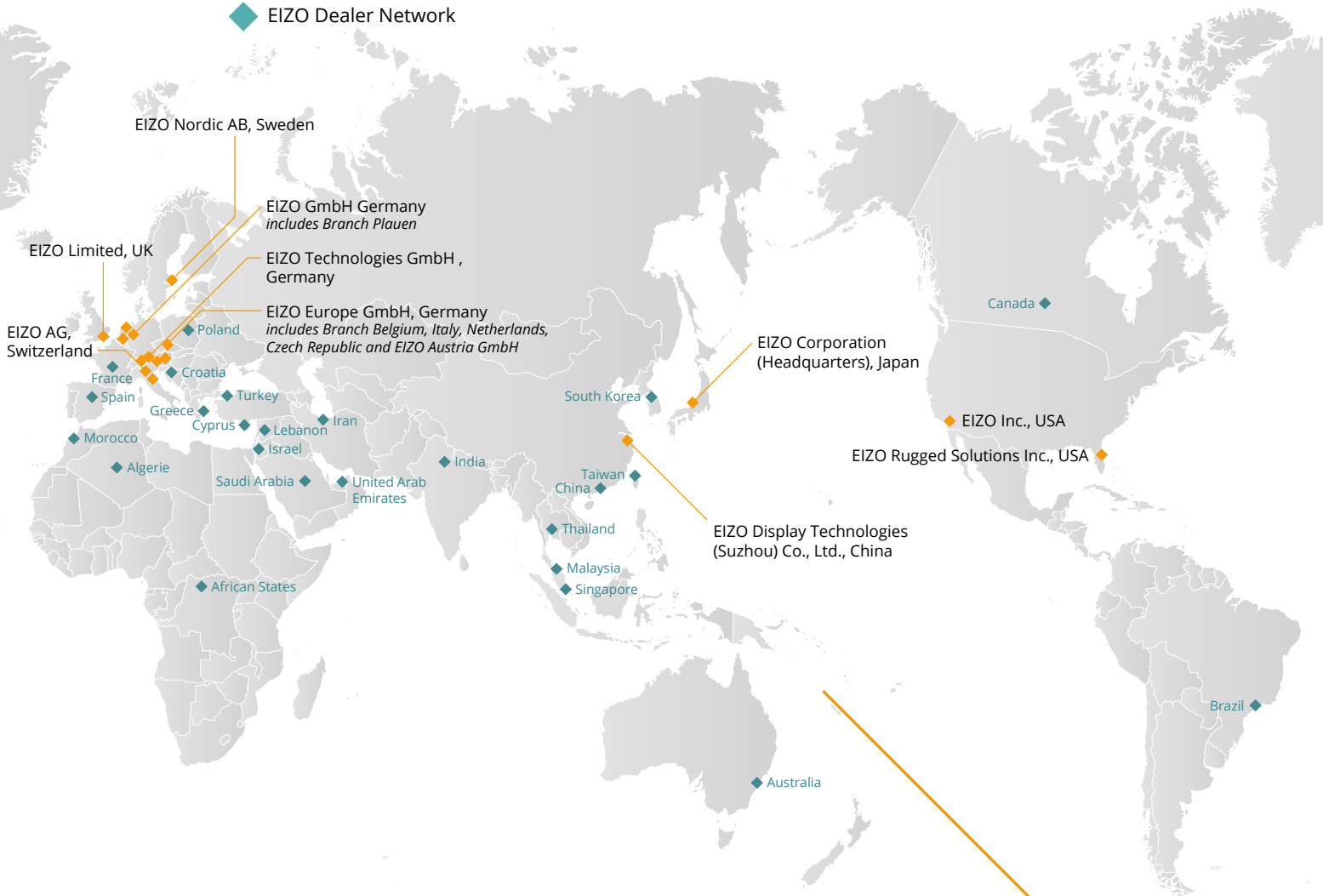
Caliop vm connects all available image sources in the OR and enables fast, uncomplicated changes of display to various monitors. Caliop doc and Caliop con simplify the fast archiving of various image materials and the handling of patient data during surgery.

CuratOR Caliop also supports efficient image management, video conferences, and communication with radiography robots, as well as the PACS/HIS system used on site to add patients using a DICOM Worklist.



◆ EIZO Location

◆ EIZO Dealer Network



### Local Contacts

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

### Contact for OEM customers

EIZO GmbH  
Carl-Benz-Str. 3  
76761 Rülzheim  
Germany

Tel: +49 7272 9850-0  
Fax: +49 7272 9850-471  
E-Mail: [dt-contact@eizo.com](mailto:dt-contact@eizo.com)  
Web: <https://www.eizo-or.com>