



EXPERIENCE THE FUTURE OF  
OPERATING ROOM TECHNOLOGY



THE DESIGN OF AN OPTIMALLY PLANNED WORKPLACE FOR DOCTORS AND OTHER PERSONNEL FOR THE BEST POSSIBLE TREATMENT OF PATIENTS:

## THIS IS OUR ENTITLEMENT.

EIZO sees itself as a provider of complete solutions in the field of ORs and Hybrid ORs. Reliable technology out of the box, which provides an optimal workflow whilst considering hygiene, ergonomics and safety aspects: Many years of experience and proven technology that is guaranteed.

**WITH PRODUCTION IN-HOUSE, YOU HAVE NOT ONLY QUALITY AND COSTS UNDER CONTROL, BUT YOU RECEIVE A PRECISELY TAILORED PRODUCT WHICH WILL EXACTLY MATCH YOUR REQUIREMENTS.**



### MANY YEARS OF EXPERIENCE COMBINED WITH MAXIMUM ENTHUSIASM.

The Name EIZO is synonymous with high quality monitor solutions – for almost 50 years and in all possible fields. High end EIZO monitors can be found all around the globe in back offices, flight control centers, design studios as well as in industry.

In the year 2002 EIZO finally stepped into the sensitive field of medical technology. Physicians, IT specialists and medical technicians worldwide have relied ever since on the quality and functionality of EIZO products. As an OEM manufacturer EIZO has been a supplier to leading medical technology corporations for many years.

With the brand CuratOR, EIZO is now entering the OR. To be more precise: The OR of the future.

The modular concept of EIZO allows individual extensions and modifications that are trend-setting for the OR interior.

Large Monitor Manager, monitors, video transmission technology, video converter, and even circuit boards are made in the production facilities of EIZO.

With almost 1700 employees and 14 branches all over the world EIZO is a reliable high performance partner for the OR of the future.

## RELIABLE, FLEXIBLE, RESPONSIVE AND FULL OF ENERGY: THE NEW TEAM AT EIZO.

OR Solutions, the new team at EIZO is young and motivated, full of energy and has extensive experience in all areas that are important for the development of OR equipment in the field of image management. Short ways, flexible structures and eye level displays provide an effective, solution-oriented working environment. A pan-continental network rich in know-how and innovative thinking ensures state of the art quality.

WITH PASSION AND JOY IN THE WORK EIZO HAS DEVELOPED SOLUTIONS THAT WILL SUPPORT AND FACILITATE POSITIVE CHANGE TO YOUR WORK IN THE OR.

CuratOR stands for sustainable and safe OR solutions – in action around the clock, and all around the world.

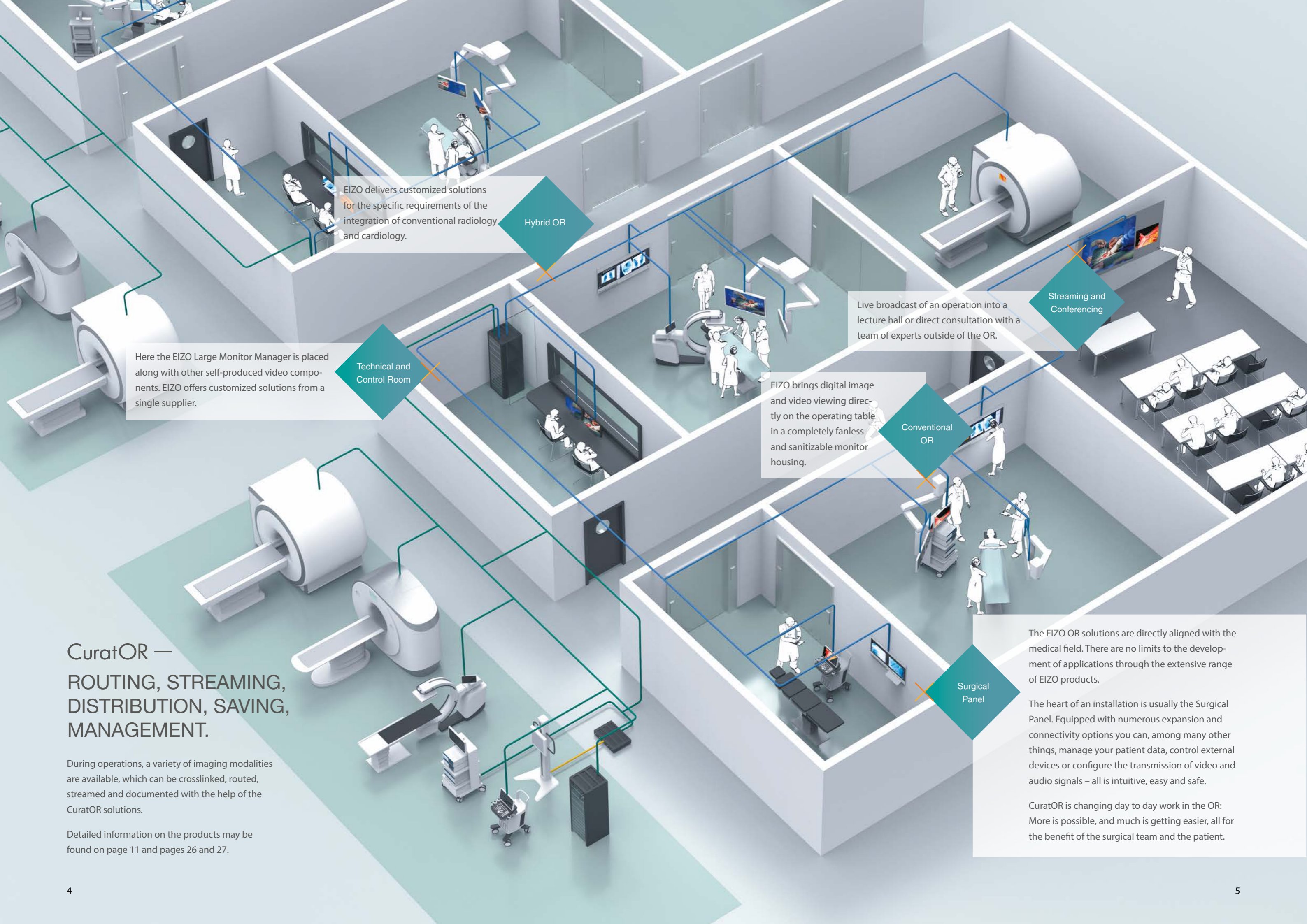
EIZO offers solutions for many users: the surgeon, the surgical team and the patients. Following extensive consultation and comprehensive discussions ORs are tailored to your needs. CuratOR is flexible, adaptable and intelligent and delivers surgical solutions which consist of more than just the supplied technology.

In EIZO you will find a competent partner who designs your OR with you. How is the EIZO technology integrated with the OR of the future? What do the interfaces to the outside and to other systems look like? What are the requirements for OR staff? What is there to consider if the OR has to set standards for the future?

CuratOR technology is convincing from every perspective – and from every aspect, such as hygiene, safety, usability, ergonomics and sustainability.

Individual OR equipment, comprehensive medical image viewing, integrated video management, intelligent OR documentation, software and video streaming: EIZO are the specialists for your OR.





EIZO delivers customized solutions for the specific requirements of the integration of conventional radiology and cardiology.

Hybrid OR

Live broadcast of an operation into a lecture hall or direct consultation with a team of experts outside of the OR.

Streaming and Conferencing

Here the EIZO Large Monitor Manager is placed along with other self-produced video components. EIZO offers customized solutions from a single supplier.

Technical and Control Room

EIZO brings digital image and video viewing directly on the operating table in a completely fanless and sanitizable monitor housing.

Conventional OR

## CuratOR — ROUTING, STREAMING, DISTRIBUTION, SAVING, MANAGEMENT.

During operations, a variety of imaging modalities are available, which can be crosslinked, routed, streamed and documented with the help of the CuratOR solutions.

Detailed information on the products may be found on page 11 and pages 26 and 27.

The EIZO OR solutions are directly aligned with the medical field. There are no limits to the development of applications through the extensive range of EIZO products.

The heart of an installation is usually the Surgical Panel. Equipped with numerous expansion and connectivity options you can, among many other things, manage your patient data, control external devices or configure the transmission of video and audio signals – all is intuitive, easy and safe.

CuratOR is changing day to day work in the OR: More is possible, and much is getting easier, all for the benefit of the surgical team and the patient.

Surgical Panel

# SURGICAL PANEL — INTELLIGENT DESIGN, STRONG TECHNOLOGY AND INTUITIVE FUNCTIONS

DIMENSION, SHAPE, COLOR,  
MATERIAL COMPONENTS – CURATOR  
WALL FIXTURES ARE INDIVIDUAL IN  
EVERY WAY.

individual housing  
and dimensions

intelligent  
mounting

buttons,  
switches,  
interfaces

LED displays

arbitrary materials  
(high quality steel,  
sheet steel, glass)

multiple monitors

diverse  
input devices

EIZO will develop your OR equipment based on the proven EIZO product range: The EIZO range is powerful, secure, and makes the best possible use of today's technology. With regard to adaptability and flexibility you have every freedom. Made directly at EIZO, the devices will be customized according to your requirements and will be combined intelligently and optimally cross-linked.

# THE EIZO SURGICAL PANEL FOR THE BENEFIT OF THE PATIENT AND OR TEAMS

With the tailor-made concept of EIZO OR Solutions you are ready for designing your personal OR. With production being in-house, you have not only quality and costs under control, but you will receive a precisely tailored product which exactly matches your requirements.



## ACCESSORIES

Alongside digital watches a number of other accessories can be integrated. Speakers, cameras, on-air lights, barcode readers, as well as docking stations for peripheral devices such as music players and data storage devices.



## THE FREEDOM IN THE CONFIGURATION OF COMPONENTS AND CUSTOMIZATION OF DISPLAY SIZES & ACCESSORIES OFFERS MANY OPTIONS – EXACTLY MATCHING YOUR REQUIREMENTS.



**IP protection** – The EIZO Surgical Panel is completely sealed within the OR. Through intelligent heat distribution over the entire front, EIZO does not even require a ventilation system.

Depending on the set-up, the Surgical Panel can cover a wide range of applications, from nursing workplace with the ability to access the hospital information system through simple image viewing monitors to centralized control and documentation workplaces.



The **trunk principle** allows the device to be opened without a complicated disassembly. This makes the maintenance of installed components easy.

## MONITORS

Each Surgical Panel can be configured individually with regard to the number and size of the integrated monitors.



## INPUT DEVICES

Input options are available via hygienic silicone or membrane keyboards and a silicone mouse. The keyboard mounts are variable and allow a flexible tilt adjustment and are also available with a mouse tray.



## MATERIAL & COLOR

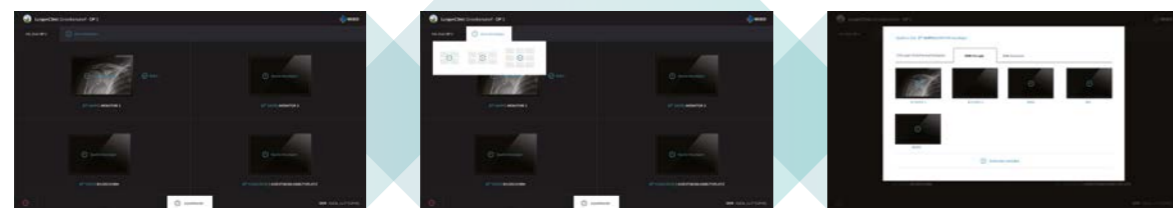
The housing material can be rendered in steel, stainless steel, glass or a combination of these materials. We colorize the devices according to your choice. The color selection is usually from the RAL range but other choices are available too.



## SOFTWARE —

# IMPROVED CONDITIONS AND A NEW LEVEL OF SAFETY AND QUALITY FOR PATIENTS

THE SOFTWARE TO SUPPORT THE WORKFLOW: COMBINES HARDWARE CONTROL AND SIMPLIFIES END-USER OPERATION.



The workflow in an OR requires precise, accurate and fast operations as well as the seamless interaction of all technical components. EIZO technology precisely matches those requirements.

For the control and intuitive operation of all devices software is deployed, which has been developed specifically for this application.

Through the software, a centerpiece of the CuratOR solutions, all hardware is controlled centrally.

Through the CuratOR solution the processes in an OR are measurably simplified. By combining a variety of functions in an easy-to-use interface, the work of the nurses in the OR is becoming easier and sources of error are minimized.

The software is tied to the particular IT infrastructure of the hospital, for example, via DICOM, HL7, GDT or Broker and allows OR wide, and beyond, communication via streaming or videoconferencing. It is also possible to incorporate components from other suppliers.

In addition to the documentation for image and video, writing and sound, among others, PACS images can be viewed or WHO security checklists completed.

The patient and his or her health stands in the foreground with EIZO. Therefore, we develop software which is tailored to your project. This allows you to focus on your primary task – the treatment of the patient.

## CuratOR — COMPONENTS

VIDEO RECORDING, CONVERSION, TRANSMISSION, DISPLAY INFORMATION; WE COMBINE HARDWARE IN A CUSTOMIZED SOLUTION WHICH SUPPORTS THE MASTERING OF ALL YOUR TASKS.



### MONITORS

With the high quality EIZO monitors you get the perfect solution for medical image display. Thanks to an excellent image quality in both monochrome and color, reliable images are presented to allow precise viewing. The modular design allows a targeted integration into both existing and future systems. The monitors have a cooling system in which only a few or no fans are necessary – essential for use in the OR, where air turbulence must be largely avoided. The slim, sealed design with coated safety glass and excellent IP protection predestinates EIZO devices for the use in an OR.

Due to their high specifications all devices are suitable for installation in pendant monitors.

### SIGNAL TRANSMISSION

The EIZO transmission lines allow a high-quality transmission of video data between devices up to 36 meters apart. The transmission via Ethernet cable is characterized by noise immunity and simple installation and loss of image quality is eliminated. The cable can be routed through small cable channels.



### MONITOR MANAGEMENT & SPLITTER

With the Large Monitor Managers (LMM) digital and analog images from different signal sources can be fed flexibly to multiple monitors. The LMM is intended for use in ORs, where a particularly flexible image presentation is required during surgery.



In a flexible and intelligent way the images are put together: To control 2-megapixel monitors, up to 5 monitors can be connected in parallel.

Up to 8 signal sources can be displayed in parallel, the pictures can be combined in an adaptive way to the monitors. Thanks to low latency the images are displayed almost in real time.



Furthermore, display splitter and display scaler can be installed, to distribute the signals to monitors and make them scalable.

### MONITOR CONTROLLING

The EIZO operator monitors offer a reliable platform with flexible mounting options. This device has been specially developed for use with the LMM as a control monitor with touch functions and allows one to define the switching between layouts.





## CASE STUDY — LUNGENCLINIC GROSSHANSDORF

### CONCEPTION, CREATION, INTEGRATION

An insight into the work of EIZO – OR Solutions: the extensive range of the LungenClinic Grosshansdorf project.

## CLIENT — LUNGENCLINIC GROSSHANSDORF

The customers of EIZO are accompanied at all stages of the project – from planning to installation. The services of EIZO go well beyond project completion.

### CLIENT

The LungenClinic Grosshansdorf is an internationally recognized specialist clinic for all diseases of the lungs and airways. Annually more than 12,000 inpatients and outpatients are treated with the focus being on pulmonology, oncology, thoracic surgery and anesthesia.

As one of the few lung specialist clinics in Germany counseling, treatment and follow-up care from a single source is offered. The clinic is also an academic teaching hospital.

With the construction of the new function unit the Outpatient Center, the Central Patient Enrollment, two new OR's and an Anesthetic Recovery Room as well as the Central Sterilization Unit were united under one roof.

### SCOPE

The bidding procedure specified the instrumentation / furnishing of the OR's with a centralized medical audio, image viewing, video and data-management system that integrates PACS and HIS and supports the work in the OR. Workflow oriented, digital and analog signals should be transmitted from the OR-workplace in near real time, stored and retrieved as well as controlled via touch screen or a non-contact-interface.

In addition, the possibility of the transfer from the OR's in the in-house network should be provided.

### Support

- Planning the video cabling between equipment room, operating room and video sources.
- Solution-oriented project meetings with planners and architects.
- Detailed planning of cable plans and recommendations for usable types of optical fiber.

## CASE STUDY — INTERVIEW

### EVERYTHING IN SIGHT: LUNG CLINIC IMPROVES WORKFLOW IN THE OR WITH SOLUTIONS BY EIZO

From CT scans to endoscopy videos and electronic patient files the conventional light box is no longer adequate when a doctor wants full access to all available information about a case. Many clinics still manage with PCs on mobile technology carts – with the corresponding space and logistical difficulties, alongside hygiene issues.

The LungenClinic Grosshansdorf (Lung Center Grosshansdorf) gave great importance to sourcing an efficient and future-proof solution for their new thoracic surgery rooms and so installed special Surgical Panels by EIZO.

The EIZO system includes several high-resolution displays, some mounted on the walls and others suspended from the ceiling so that the movement of the OR team is not hindered. Integrated video management allows the surgeon flexible yet centralized control between any picture signal, both live recording or saved images, which can be easily switched between any of the displays, according to need. This allows the surgeon to concentrate fully on the patients' care.

In the near future streaming technology will allow live transmission directly from the OR for educational purposes.

Annually about 12,000 patients are treated at the LungenClinic Grosshansdorf of which 7,000 are in-patients. Every year 1,000 to 1,100 lung surgeries are performed at the specialist clinic.

To ensure the best possible medical care for patients, according to the latest medical standards, the teaching hospital of the University in Lübeck opened set up a new functional wing in October 2014. It houses the central sterile supply department, an

outpatient center, two operating rooms for thoracic surgery as well as corresponding pre-operative and postoperative departments.

"It was our goal to create state of the art ORs with modern communication technology fully meeting all current demands with regard to medical care and hygiene whilst also embedding a high level of future compatibility, thus making a sound investment" explains Wolfgang Gerckens, Commercial Director at the clinic.

The requirements regarding the technology, especially the image management aspects, were very high and included live transmission in HD-quality, an integrated audio system, the ability to shift between different screens, touch screen operation on one of the displays and several different data inputs on another." An important factor was also reliability. Large quantities of data are now collected for every patient and the physician treating the patient has to have access to that data at all times and that is why fallback routines were really important to ensure constant and reliable availability", says Medical Technician Malte Sommer together with the Head of Medical Technology Mr. Puchert, who helped to draw up the system specifications.

### VIDEO WORKSTATIONS FOR DIFFERENT REQUIREMENT PROFILES

The choice was made to invest in the concept offered by EIZO GmbH who provide a complete range of the latest state of the art displays, video management and data transfer technology which when combined with their Surgical Panels provides a comprehensive and flexible solution. Both ORs were equipped with several different displays and control systems for different purposes. The workstation for nurses was updated with a 23" display with an integrated PC, a lockable storage space and a pivoting antimicrobial membrane keyboard to facilitate access to the hospital information system (KIS). A connected barcode scanner simplifies the tracking of consumable supplies. The main control unit is a panel with an integrated PC, a 47" monitor for high-resolution images and a 23" touch screen which allows access to the picture signal distribu-

tion and medical documentation software such as PACS. This station is also equipped with a pivoting and height-adjustable keyboard, which can adapt ergonomically to the user's preferred working posture to ensure the highest possible comfort and reliability. In addition the keyboard features embedded pressure keys which can be used to switch the video signal in case of a breakdown of the internal PC system. The viewing options are complemented by a 47" grand display featuring different signal input options at the front.

All monitors utilize their highest potential with HD resolution with brightness up to 700 cd/m<sup>2</sup> and a contrast ratio of 3000:1 at 23" and 1000:1 at 47" screen diagonal.

The display of grayscale is accurately aligned with the DICOM/CIE standard and guarantees reliable imaging and high degree of interoperability. The packaged unit consisting of a display and PC with a depth of only 10.5cm and is countersunk into the wall to conserve space.

The outer surface is a flat case made from powder-coated sheet steel and anti-reflective single-pane safety glass which can be easily cleaned with all disinfectants officially approved by the Robert-Koch-Institute. Contamination is eliminated since there is no air exchange with the OR.

Two ceiling mounted monitors with two supply units were installed which enable the surgeon to view all images whilst working on the patient. The monitors above the operating table can be adjusted freely. The adjacent anesthesia room is also equipped with a ceiling mounted supply unit and monitor. All appliances are free from the floor and there are no rolling carts or cluttering cables which facilitates both the cleaning of the rooms and hygienic working.

#### ERGONOMICAL OPERATING THANKS TO FLEXIBLE IMAGE CONTROL

The core of the EIZO Surgical Panels is the video management technology lying behind the screen and the sophisticated transmission system. The central control of all image sources (MRI, CT or

digital X-ray images from the patient file) to live recordings of endoscopy, ultrasound and surgical cameras and the display of vital parameters allows a comprehensive, adaptable and flexible review of any relevant image or video. The system is specifically designed to be modality independent



so it is compatible with different systems from various manufacturers and it can process digital and analog signals of all known formats. Thanks to this "surgical cockpit" the doctor has access to all images exactly where he or she needs them. "From an ergonomic point of view this system is a quantum leap", states Dr. med. Christian Kugler, Chief Physician in the Department of Thoracic Surgery in Grosshansdorf. "Previously the viewing direction, the body and operating axis didn't line up.

The surgeon had to crick his neck or walk directly in front of the monitor in order to view the screen. The new displays are much more comfortable and the viewing of the pictures is improved which in the end enhances the patient's well-being."

In addition the operating tables are also designed to meet the highest ergonomic standards. The surgeons at the Lung Center use the monitors primarily to display radiology diagnostics, endoscopic recordings especially bronchoscopies as well as thorascopies which is a non-invasive method of exploration of the thoracic cavity.

The surgeon may determine the image source and the image distribution on the displays. In case other images are needed later, the assisting

nurse or the anesthesiologist can easily modify the settings. "Right now we mainly use the cinema setting which shows the images passing through in sequence", says Dr. Kugler. Surgeons can also activate video sequences via a foot control with freely configurable functions.

#### TECHNOLOGY MULTI-SECURED AND FUTURE-ORIENTED

A significant criteria for the concept of image management for the high quality requirements in the OR was signal processing. Diagnostically relevant images cannot tolerate the compression



loss of regular extenders. EIZO uses a special extender, originally developed for radiology purposes, which guarantees lossless transmission within 36m. All picture signals can be output in real-time and in Full-HD-quality (1080p60 or 3G-SDI). The processing of all connected image sources occurs internally and progressively to ensure the highest display quality. Optical fiber cables were used. "This offers the advantage that even greater quantities of data, for example 4K or Ultra-HD images, can be handled effortlessly", notes Matthias Lubkowitz, Vice President of EIZO GmbH Branch Office Plauen.

"Additionally the signals are always electrically isolated, so that there is no danger of electric shocks for staff or patients."

To ensure "failure-free" transmission an extra optical fiber cable was installed in addition to the main line as well as a parallel copper line as an extra failsafe solution. Reliability and sustainability were crucial factors when choosing highly durable components for the control devices and playback units. So doing ensures a long product lifecycle which is guaranteed and replacement parts are readily available. Furthermore the entire system is modular and sits in a case system developed in-house, so that each component can, if necessary, be replaced within 15 to 20 minutes. "That minimizes not just potential downtime but allows a system update if new interfaces become available and that update capacity ensures long-term use", explains Medical Technician Sommer.

#### FUTURE PLANS: TEACHING VIA VIDEO STREAM

Since September 2014, the Surgical Panels and the video management technology of EIZO – OR Solutions has been in use at the LungenClinic Grosshansdorf. The technology has proven itself in the OR to make everyday work easier. However, the extensive systems could also be used in future for another purpose: A HD streaming module integrated in the consoles allows the transfer of recordings from the OR via TCP / IP over the Internet, which could thus be incorporated in a course for medical students."

Even now we can display images from a camera installed in the operating lamp on the big screen, for example, so that students can watch," said Dr. Kugler. "The streaming of live images would be a feasible next step." That the appropriate technology could be seamlessly integrated into the overall system, was one of the reasons for the purchase of the EIZO system for the teaching hospital of the Lübeck University, as the commercial manager confirmed: "The importance of such teaching methods will grow. With the new system we are prepared for it."





## CASE STUDY — CONCEPTION

### INTENSIVE AND SUSTAINABLE PLANNING UNTIL THE SOLUTION IS ACHIEVED

THE ANALYSIS OF THE EXACT NEEDS IS AT THE BEGINNING. YOU GET AN INSIDE VIEW OF THE ACTUAL POSSIBILITIES AND A SUSTAINABLE APPROACH FOR YOUR OR.

A collaboration with EIZO begins with the planning of your OR. Whether a new construction or a modernization: according to your standards of hygiene, usability and sustainability. Your ideal OR will be designed, using everything that is technically possible. An OR, which also satisfies the needs of the future.

You will find in EIZO a partner who will guide you through the entire project. From the first discussion, through all stages of implementation to commissioning and maintenance. This results in competence and confidence.



»The ideas of our customers are what drives our innovation.«

Matthias Lubkowitz —  
Vice President EIZO – OR Solutions



» The employees of EIZO – OR Solutions have many years of experience. I myself have been working for many years with EIZO and have observed as well as taken an active part in the development of the surgical business and the entry of digital OR's as a production manager«

*Stephan Reuß —  
Production Manager EIZO – OR Solutions*



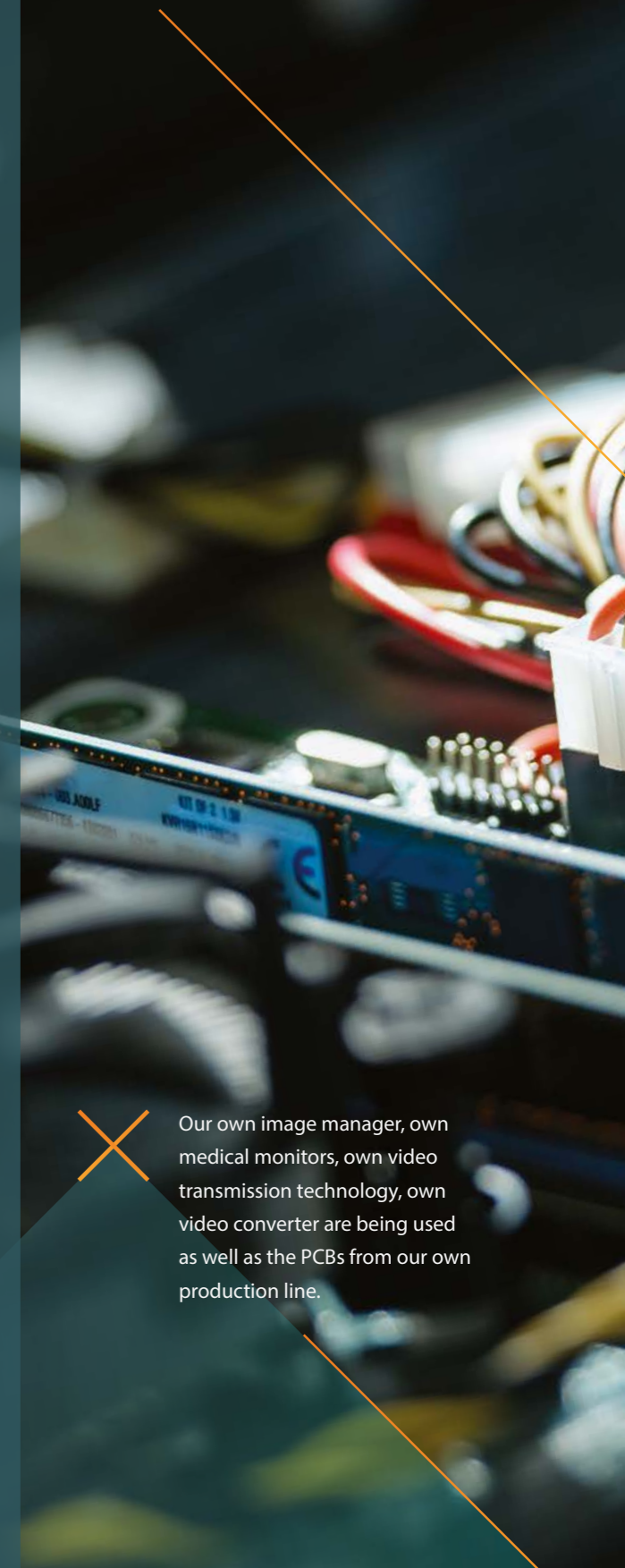
## CASE STUDY — CREATION

### HARDWARE AND SOFTWARE ACCORDING TO YOUR WISHES

CuratOR STANDS FOR AFFINITY WITH TECHNOLOGY AND ENTHUSIASM FOR THE POSSIBILITIES IT OFFERS: THIS IS HOW SOLUTIONS FROM WHICH PEOPLE BENEFIT ARE DEVELOPED.

Based on intensive planning the image related technical equipment of your OR is designed. Monitor and video solutions, advanced image-display-techniques and, if necessary, the integration of diagnostic techniques in one hybrid OR: everything is cross-linked with intelligent software, intuitive to use and customizable to enable you to exploit all the possibilities offered by today's technology.

The EIZO hardware will be adjusted and optimized according to your requirements in the EIZO subsidiary in Plauen, Germany; specially developed software is skillfully modified to the interfaces and surfaces of the technology which is going to be installed to produce a holistic system – and all from a single source.



Our own image manager, own medical monitors, own video transmission technology, own video converter are being used as well as the PCBs from our own production line.



## CASESTUDY — INTEGRATION

## INSTALLATION, SETUP AND TRAINING

EIZO IS THERE, OF COURSE, WHEN THE DEVELOPED SOLUTIONS ARE BEING INSTALLED. YOU WILL HAVE THE SAME CONTACT PERSON AND PROJECT MANAGER THROUGHOUT THE PROCESS.

In close collaboration with engineers and IT specialists, EIZO implements the sophisticated systems in your OR until they are ready. That is how complications can be avoided and operations can be optimized.

After the installation your staff will be fully trained to use the system. In addition, an internal service-wiki will be offered to you which addresses the most common problems and most service issues can thereby be solved internally.

Quick help through our 24 hour, 7 days a week service hotline is, of course, also provided.



Innovative and future oriented solutions  
for the surgical sector:  
THIS IS OUR MISSION.

## SERVICE AND MAINTENANCE —

### ALSO YOUR PARTNER IN THE GOING CONCERN

AS A MATTER OF COURSE, AFTER THE TECHNICAL ACCEPTANCE OF THE OR THE EIZO TEAM REMAINS YOUR POINT OF CONTACT – AT ANY TIME. THE WORK IN THE OPERATING ROOM CANNOT WAIT.

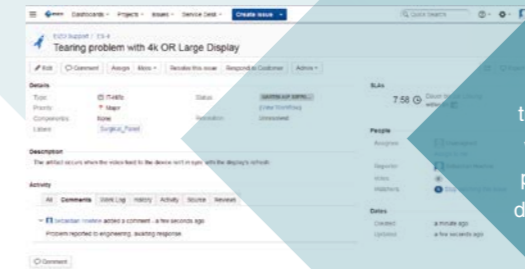
The choice for a system solution stands or falls significantly with the services offered by the provider. EIZO has developed service tools that are tailored to the circumstances of the sensitive OR environment. This means in particular: 24/7 support and transparency about the current service process. Because for you and your patients one thing is especially important: that the systems in the OR functions properly.

You may access the EIZO service system via various routes. You can simply use the EIZO 24/7 Service Desk to report a problem.

You want to start the process as soon as possible or solve it immediately? Simply use the EIZO online platform. When you report known problems the EIZO service wiki will suggest a possible solution when you submit your ticket.



Using the EIZO service wiki provides information about the components and methods for troubleshooting



#### EIZO 24/7 SERVICE DESC

EIZO offers its customers an online service center. It is able to transfer service tickets at any time directly via the web to the service desk. It is thus possible to make requests for technicians directly and enables technicians to monitor the process live – 24 hours a day, 7 days a week.

#### SERVICE CONTRACTS

Service contracts are a fair and transparent way to ensure full service and maintenance. We are more than happy to give you advice about possible options and periods of validity.

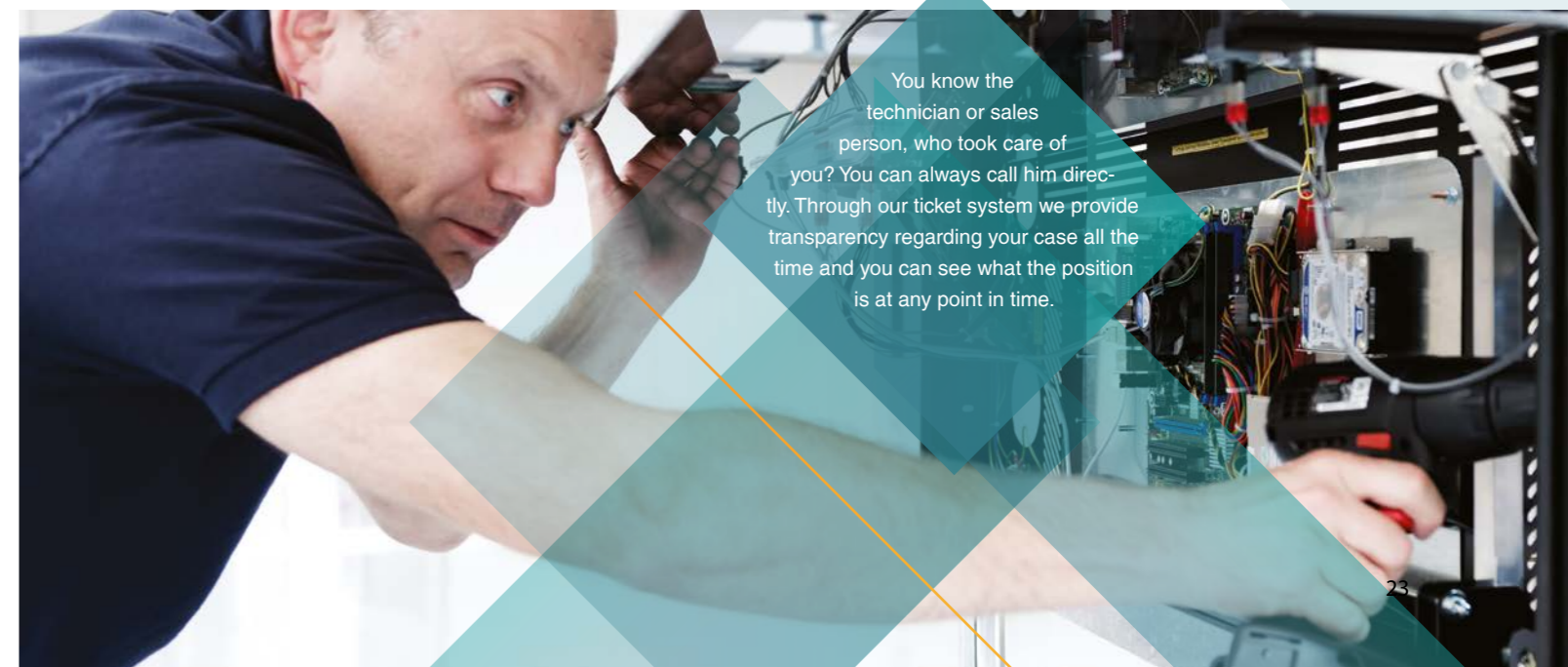
#### EIZO PARTNER NETWORK

EIZO has an extensive network of partners, which are fast and efficient in case on-site service is needed. All partners are, of course, trained and authorized by EIZO.

#### MODULAR COMPONENTS

The modular components used by EIZO facilitate very easy maintenance. Wall fixtures can be easily opened and components can be replaced by loosening a few screws and connectors. All components are state of the art, so the long-term availability of spare parts is guaranteed. This saves time and money.

**COULD NOT BE BETTER? YES, OF COURSE! EIZO OFFERS COMPREHENSIVE MAINTENANCE AND SERVICE CONTRACTS . SERVICE.OR.DE@EIZO.COM**



You know the technician or sales person, who took care of you? You can always call him directly. Through our ticket system we provide transparency regarding your case all the time and you can see what the position is at any point in time.

# IN USE WORLDWIDE, WORLDWIDE SATISFACTION.

EIZO CREATES CUSTOMIZED OR SOLUTIONS INTERNATIONALLY. THE SATISFACTION AND GRATITUDE OF OUR CUSTOMERS CONFIRMS THE QUALITY OF OUR WORK.

EIZO technology is already embedded in several thousands of installations from large OEM customers worldwide. EIZO has just begun to offer solutions for the OR and is, after only a short time, in use and represented internationally.

UNIVERSITÄTSKLINIKUM  
FRANKFURT  
Germany, Frankfurt



LUNGENCLINIC GMBH  
Germany, Großhansdorf



LANDESKLINIKUM  
MISTELBACH  
Austria, Mistelbach

KING FAHD GENERAL  
HOSPITAL  
Saudi Arabia, Jeddah



ASEER HOSPITAL  
Saudi Arabia, Abha



EAST JEDDAH  
HOSPITAL  
Saudi Arabia, Jeddah

KING FAISAL  
HOSPITAL  
Saudi Arabia, Mekkah

KING FAISAL  
SPECIALIST HOSPITAL  
Saudi Arabia, Riyadh

ROYAL COMMISSION  
HOSPITAL  
Saudi Arabia, Yanbu

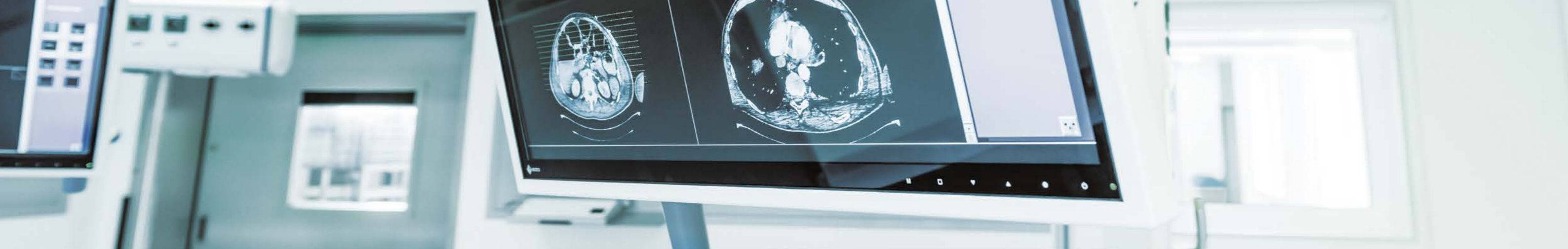


KING FAHD TEACHING  
HOSPITAL  
Saudi Arabia, Khubar

KING FAHD  
MEDICAL CITY  
Saudi Arabia, Riyadh

KING FAISAL  
SPECIALIST HOSPITAL  
Saudi Arabia, Riyadh

METROPOLITAN  
MEDICAL CENTER  
Philippines, Manila




## COLOR LCD MONITORS

	Monitor Size	Resolution	Brightness (typ.)	Inputs
LX600W 	60.1" (152.6 cm diagonal)	3840 x 2160	520 cd/m <sup>2</sup>	2 x DVI-D (Dual Link)
LS580W 	57.5" (146 cm Diagonale)	3840 x 2160	700 cd/m <sup>2</sup>	2 x DVI-D (Dual Link)
LX470W 	47" (119.3 cm Diagonale)	1920 x 1080	700 cd/m <sup>2</sup>	1 x BNC (HD-SDI), 1 x BNC (Composite), 1 x DVI-I, 1 x HDMI, 1 x D-Sub Mini 15 pin (Separate Sync, Composite Sync, SoG, YPbPr, RGS, RGB/HV), 1 x S-Video
LX300W 	29.8" (75.6 cm Diagonale)	2560 x 1600	750 cd/m <sup>2</sup>	1 x DVI Dual Link, 1 x DVI Single Link, 1 x HDMI (DVI-Signal), 1 x DisplayPort
EX270W 	27" (68.6 cm Diagonale)	1920 x 1080	>600 cd/m <sup>2</sup>	alternative 1 x DVI-D / RJ45 / M12 (DVI Single Link)



## TOUCH CONTROL MONITOR

	Monitor Size	Brightness	Inputs	USB Plugs
CID1000P 	10.4"	230 cd/m <sup>2</sup>	1 x RS232	2 x USB downstream


## ANALOG-DVI CONVERTER

	Plugins Inputs	Input Signals	Outputs	Output Signals
PDC0100 	1 x DVI-I (digital: DVI, analog: RGB) x 1, 1 x D-Sub Mini 15 pin (Separate, Composite, SoG), 1 x BNC (Composite, PAL, NTSC), 1 x 4 pin Mini DIN (S-Video)	digital: DVI-D (Single Link), max. 1600 x 1200, 60 Hz analog: VGA, SVGA, XGA, SXGA, UXGA, PAL, NTSC	DVI-D x 1	1280 x 1024 (SXGA), 60 Hz


## LARGE MONITOR MANAGER



	Inputs	Outputs	Monitors	USB Plugs
LMM0802 	digital: 6 x HDMI (DVI-D Single Link) digital / analog: 2 x DVI-I analog: 2 x D-Sub Mini 15 pin, 2 x Mini DIN (VGA, S-Video, SoG) 8 simultaneous visible inputs	2 x DVI-D (Dual Link), 1 x HDMI (DVI-D Single Link Signal, Scaler Output)	alternative: 1 x 8MP, 1-2 x 4MP, 1-2 x FHD, 1-2 x 2MP	6 x USB downstream (for e.g. keyboard, mouse, joystick) 8 x USB upstream (for control of video applica- tions on PCs)
LMM0804 	digital: 6 x HDMI (DVI-D Single Link) digital / analog: 2 x DVI-I analog: 2 x D-Sub Mini 15 pin, 2 x Mini DIN (VGA, S-Video, SoG) 8 simultaneous visible inputs	4 x RJ45 (DVI-D Single Link Signal), 1 x HDMI (DVI Single Link Signal); Link Set needed	max. 5 Monitors (all connected monitors have to have the same resolution): 1MP, 2MP, FHD	6 x USB downstream (for e.g. keyboard, mouse, joystick) 8 x USB upstream (for control of video applica- tions on PCs)

## DVI SPLITTER / SCALER

	Plugins Inputs	Input Signals	Outputs	Output Signals
PDS0800-HD 	2 x DVI-D (Dual Link)	2 x 1920 x 2160, 60 Hz (130 MHz Dot Clock)	4 x DVI-D (Dual Link), 1 x DVI-D (Single Link), 1 x mini DIN (YPbPr)	4 x 1920 x 2160 (60 Hz), 1920 x 1080 (60 Hz), YPbPr 1920 x 1080 (60 Hz)

## DVI TRANSMISSION

	Plugins Inputs	Input Signals	Outputs	Output Signals
TDL3600 	TDL3600-DL: 1 x DVI-D (Dual Link) TDL3600-SL: 1 x DVI-D (Single Link)	transmitter module at PC side (DVI-D ~ RJ45), ethernet cable (RJ45 ~ RJ45), receiver module at monitor side (RJ45 ~ DVI-D)	TDL3600-DL: 1 x DVI-D (Dual Link) TDL3600-SL: 1 x DVI-D (Single Link)	2 x TDL3600-DL: 3840 x 2160 TDL3600-DL: 2560 x 1600 TDL3600-SL: 1920 x 1200

-  EIZO locations
-  EIZO dealer network



EIZO GmbH  
 Display Technologies  
 Siemensallee 84  
 76187 Karlsruhe, Germany

EIZO GmbH  
 OR Solutions  
 Branch Office Plauen  
 Kopernikusstraße 80  
 08523 Plauen, Germany

Fon: +49-3741-42365-0  
 Fax: +49-3741-42365-199  
 E-Mail: [info.or.de@eizo.com](mailto:info.or.de@eizo.com)  
 Web: [www.eizo-or.com](http://www.eizo-or.com)

All product names are trademarks or registered trademarks of their respective companies. CuratOR is a trademark and EIZO, RadiForce, ScreenManager, RadiCS and RadiNET are registered trademarks of EIZO Corporation. Specifications are subject to change without notice.