![EIZO]

CuratOR®

PRODUCTS

EXPERIENCE THE FUTURE OF OPERATING ROOM TECHNOLOGY

Making Each Life Visual

Every life is unique. Every person's medical treatment should be tailored to meet their individual needs.

In the age of precision medicine, the possibilities offered by biotechnologies, artificial intelligence, and information technology open up completely new avenues for diagnosis, prevention, and treatment.

Precision requires comprehensive information. Collecting, linking, and analyzing data, as well as recording, storing, and evaluating image data therefore represents a critical resource for modern medical practices.

Faster treatment success, better quality of life: Technical innovation has an immediate impact on the medical processes in hospitals and operating rooms. Which is why we employ all of our experience and work together with highly qualified medical teams to produce reliable systems for processing image data in the age of precision medicine.

Our knowledge is in the service of better health. Every life is worth it.
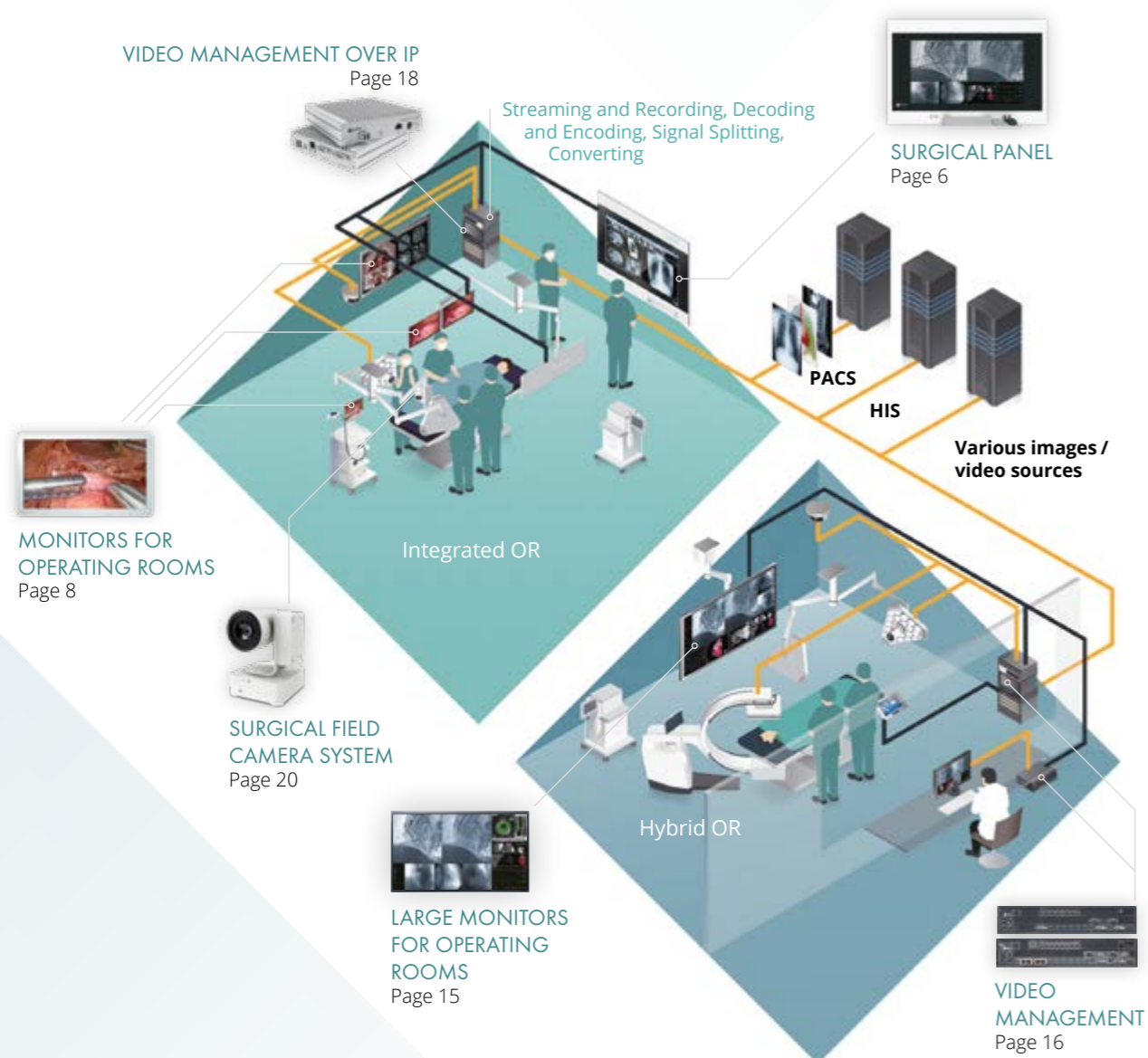
Making Each Life Visual.

FLEXIBLE. INTELLIGENT. EXPANDABLE.

OR SYSTEM SOLUTIONS FOR THE OPERATING ROOM

High-performance technology for image reproduction and video management in the OR meets expertise and experience. Designed for scalability and extensibility, EIZO develops visual solutions specifically for the requirements and workflow in the OR. EIZO CuratOR addresses the needs of surgeons, surgical teams and hospital technology. Specializing in the challenges of medical practice in the 21st century.

· Precise image representation for demanding requirements
· Modular system components for customized solutions

· Seamless integration in hospital IT and documentation systems
· Providing information and image data where needed

VIDEO MANAGEMENT OVER IP

Streaming and Recording, Decoding and Encoding, Signal Splitting, Converting

SURGICAL PANEL

PACS

HIS

Various images / video sources

MONITORS FOR OPERATING ROOMS

Integrated OR

SURGICAL FIELD CAMERA SYSTEM

Hybrid OR

LARGE MONITORS FOR OPERATING ROOMS

VIDEO MANAGEMENT

A MODULAR SYSTEM FOR EVERY APPLICATION SCENARIO

From a simple workstation to a complex multiroom installation: with its modular design, EIZO CuratOR supports a wide variety of requirements and is almost infinitely expandable.

The OR Workstation

Central unit for all image and video signals: the Surgical Panel with built-in EIZO monitor and powerful PC. Whether simple image display or central working and operating station – thanks to different expansion options, the Surgical Panel is the flexible basis of an EIZO CuratOR solution.

Effective Video Management

Image viewing at the press of a button: EIZO's video management solutions support the workflow in the OR. Adapted to the needs of OR staff, CuratOR video management allows you to manage every situation in the OR.

Interfaces to OR Documentation and HIS / PACS

HIS and PACS systems can be operated via existing interfaces. Effortless integration into hospital IT, for example, reduces the amount of documentation required and supports education, validation and process analysis. Flexible, intuitive, personalized.

Video Management Over IP

With CuratOR Alipe, EIZO provides a powerful way for network-based transmission of video, audio, and control data. Uncompressed and in real time.

Multiroom Solutions

Whether for documentation or teaching purposes – EIZO CuratOR can be expanded as required and enables the networking and communication throughout different rooms, even over long distances.

CENTRAL UNIT IN
THE OPERATING ROOM

In addition to customer-specific configurations, EIZO offers a number of standard Surgical Panel optimized specifically for a range of applications and effective integration into the operating room workflow.

Viewing Station

Modern operating rooms are no longer conceivable without digital image viewing systems. Surgical Panel with integrated large screens provide the surgical team with excellent images even when viewed from a distance across the operating room.

Nurse Station

These Surgical Panel are fitted with screen sizes that are ideal for work performed by OR nursing staff. The user-friendly configuration was designed with ergonomic head and body positions in mind and offers ideal viewing conditions when interacting with the local OR systems.

HIS Station

Surgical Panel with two integrated monitors serve as a space-saving combination of work and viewing stations. Different applications can thus be covered from a single device.
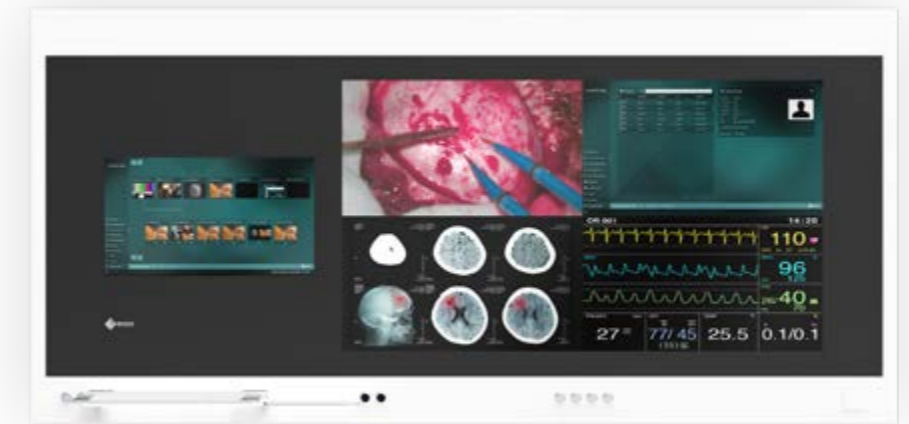
In the digital age, X-ray film and analog X-ray light boxes are a thing of the past. Today's digital systems are integrated into the hospital's IT infrastructure and support a wide range of workflows in the operating room.

Intuitive Touch Operation

Every CuratOR Surgical Panel can be equipped with a touchscreen to facilitate intuitive operation of software in the OR. They are easily operated while wearing gloves for use in sterile environments.

Customized Housing

The housing dimensions can be customized along with the combination of the powdered stainless steel and glass housing materials. Customers can select colors from the RAL palette range to suit the OR color scheme.

Optimized View Through Simple LUT Switching

All 4K Surgical Panel are equipped with an easy-access LUT switch as standard. One of the five predefined lookup tables can be selected at the simple press of a button. This allows optimal display of various medical images and videos.

Wide Ranging Monitor Options

The Surgical Panel are available in a wide range of screen diagonals for flexibly meeting local application requirements. The option to combine a viewing unit with a 24" Full HD HIS workstation also offers a full viewing environment while saving on space.

Flexible Integrated Video Management VMbasic

A modular interior design enables customer-specific configuration. Every 4K Surgical Panel can be optionally equipped with the video management function VMbasic. Easily switch between video signals connected internally or on the front at the simple press of a button. Two further buttons allow the selection of the preset layouts and the selection of the active window.

Accessories and Connectivity

Surgical Panel have front USB ports as standard for connecting peripheral devices. There is also the option of integrating additional interfaces on the front frame. These can be individually connected to the inputs available in video management.

OR Integration and Cleanability

With its flat surface, the Surgical Panel can be completely sealed in the front and integrated in the OR wall, ensuring safety and simple cleaning and disinfection procedures. With intelligent heat distribution over the front surface, the units do not require specialized ventilation systems.

Easy Maintenance and Service

The trunk design allows easy access to the device without complicated disassembly or tools. With its unique locking system, no screws need to be taken out, making maintenance procedures on the installed components simple and efficient.
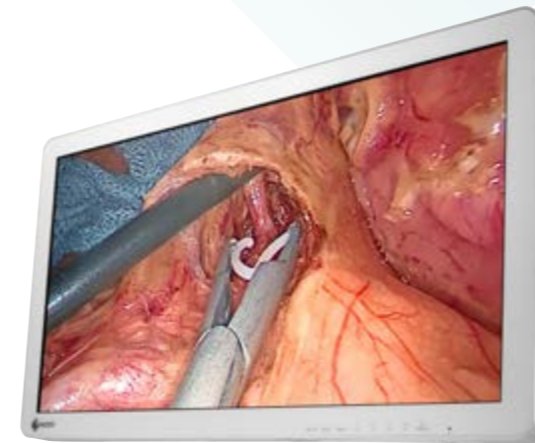
MONITORS FOR OPERATING ROOMS

Surgical teams in the operating room depend upon the most advanced technologies. Imaging applications have developed to an essential aid. EIZO's endoscopy monitors assist surgeons perfectly in today's sophisticated medical procedures.
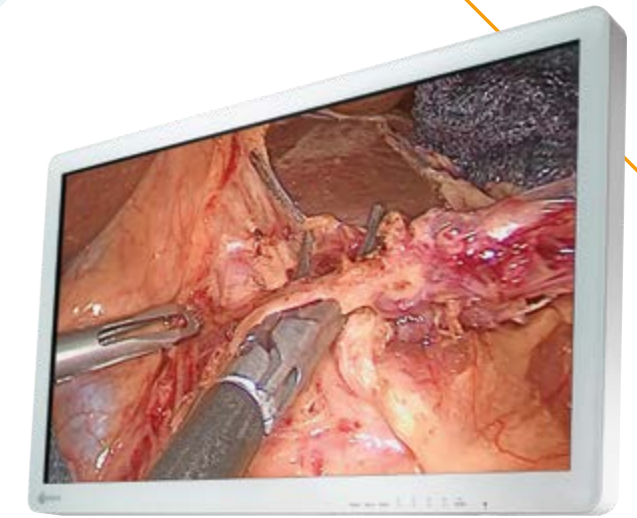
EX2620
66.1 cm (26") LCD Monitor

26" WIDE

EX2621
66.1 cm (26") LCD Monitor

26" WIDE

EX2721
68.6 cm (27") LCD Monitor

27" WIDE

EX3220
80.1 cm (31.5") LCD Monitor

32" WIDE

Fully Flat Design for Safety and Hygiene

In consideration for safety, EIZO's surgical monitors adopt rounded corners. Furthermore the front is covered with a fully flat protective panel that protects against foreign material and splashes to a level of IP45 (whole monitor has IP32 rating). Additionally with the attached cable cover, cables can be stored neatly out of sight, increasing safety and hygiene in the operating room.

PoP   PiP

View Multiple Signals on the One Screen

Two separate signal sources can be viewed simultaneously on one monitor screen side by side (PoP, Picture-out-Picture) or above the main signal (PiP, Picture-in-Picture). With the EX2621, up to three different signal sources can be displayed at the same time (PoP and PiP). The size and position of the display windows is adjustable when using PoP or PiP.

180° Rotation and Mirroring

Regardless of the orientation of the surgical camera, you can rotate the displayed image by 180° or mirror it to find the perfect operating view. This allows you to match the image with the line of sight of surrounding assistants and surgeons, improving convenience in the operating room.

Main Doctor   Assistant Doctor
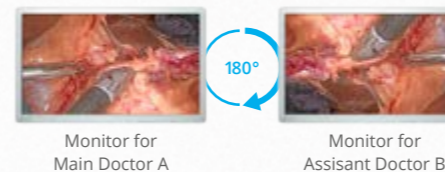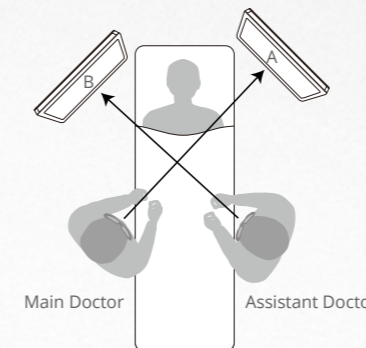
Monitor for Main Doctor A   Monitor for Assisant Doctor B
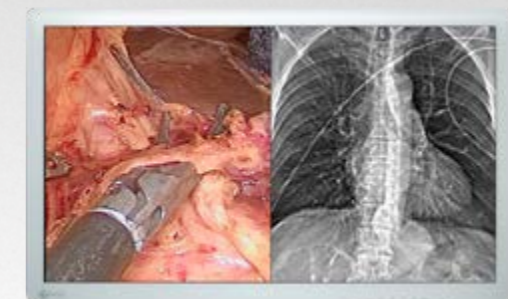
▲ Gamma 2.2   ▲ DICOM Preset Mode

Adjust Screens Independently from Each Other

When displaying two signal sources side by side on the same screen, each image's display mode (gamma 1.8–2.6 or DICOM® Preset Mode) can be adjusted without interfering with the other image. This is ideal for multi-modality use, where both endoscope, CT and MRI images can be accurately displayed on the same monitor.

MONITORS FOR OPERATING ROOMS

Faithful image reproduction at the highest accuracy allows for precise work in the OR. With the 3D technology, the surgeon can see organs and tissue structures in lifelike effect of depth. Due to their ultra high resolution and additional functions like image sharpening and color reproduction, EIZO's 4K UHD monitors provide brilliant pictures for a highly detailed view.

EX3140
78.9 cm (31.1") LCD Monitor

31" WIDE **4K**

EX2620-3D
66.1 cm (26") LCD Monitor

26" WIDE **3D**

EX3220-3D
80.1 cm (31.5") LCD Monitor

32" WIDE **3D**

EX3141-3D
78.9 cm (31.1") LCD Monitor

31" WIDE **3D** **4K**

EX3241
81.3 cm (32") LCD Monitor

32" WIDE **4K**

EX5841
146.1 cm (57.5") LCD Monitor

58" WIDE **4K**

3D Surgical Display with High Visibility

With high definition, brightness and contrast ratio, the EX3220-3D, the EX2620-3D and the EX3141-3D faithfully reproduce 3D surgical images for endoscopy and operation microscope feeds; creating a feeling of depth where stereoscopic imagery is required. They use a polarized system to display 3D images in all formats (Side-by-Side, Line-by-Line, Top & Bottom or SIMUL 3D) with excellent color characteristics and without flicker.

Reduced Reflections and High Durability

The 3D monitors and the EX3241 are manufactured with optical bonding. With this technology the air pocket between the LCD panel and external glass is filled by optoelastic resin. This reduces the screen reflections, protects the LCD panel from impacts, dust and moisture, and prevents condensation.

Gap

Resin Layer

Without Optical Bonding

With Optical Bonding
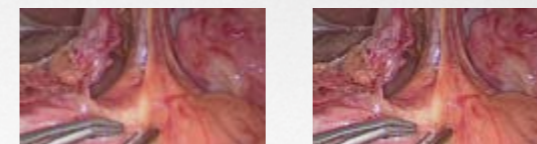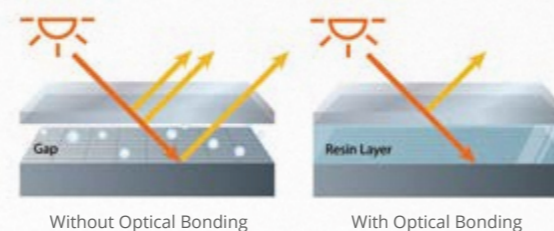
Without S.R.S.C.

With S.R.S.C.

Enhanced Sharpness

The EX3141-3D, the EX3140 and the EX3241 are equipped with EIZO's proprietary image sharpening technology Smart Resolution with Sparse Coding (S.R.S.C.). This allows Full HD images shot by conventional endoscopy and surgical cameras can be displayed in high definition 4K resolution without lag.

Also available with EX2621

Sharp Color Reproduction with Wide Color Gamut

Not only does the 4K UHD monitors faithfully display the sRGB color gamut, but they can also produce images emulating the 4K video color standard BT.2020. They accurately display BT.2020-compatible camera images, increasing the range of yellowish-green to red.

Human eye
BT.2020
Example for EX3140
sRGB

Color Gamut Comparison
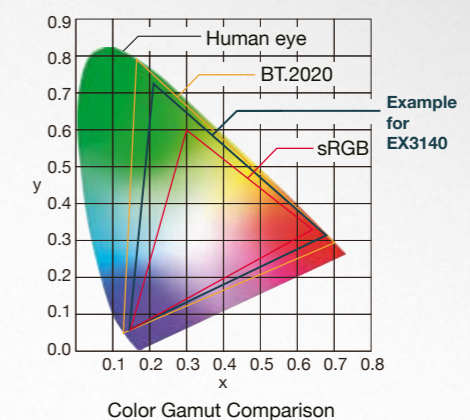
MONITORS FOR OPERATING ROOMS

EIZO's surgical monitors are designed for the critical viewing and cleaning demands of the operating room. Regardless of use with an EIZO video management system or direct connection to a video source, the wide viewing angles and selectable DICOM and gamma presets make these monitors ideal for viewing all types of medical images in the surgical environment.
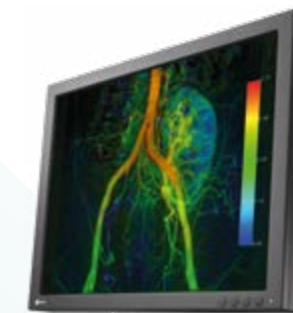
LX1910
48.3 cm (19") LCD Monitor

`19"`

EX271W
68.9 cm (27") LCD Monitor

`27" WIDE`

SCD 19102
48 cm (19") LCD Monitor

`19"`

EX190
48 cm (19") LCD Monitor

`19"`

Rear EX271W

DVI   TDL   HDL   3GS

Modular Design

As a modular monitor, the EX271W supports targeted connectivity and the ability to evolve with changing technological demands. Whether installed over the surgical table or mounted directly on a surgical cart, the monitor can be tailored to the individual application by selecting the appropriate input module. This not only optimizes material costs, it reduces cable clutter and the overall physical footprint and simplifies system design.

Easy Cleaning and Sleek Housing

The anti-reflective laminated safety glass ensures excellent image quality while protecting the monitor from scratch damage or liquid ingress during surgery or when cleaning and disinfecting the monitor. With a depth of roughly 4 cm, the sleek, curved housing also saves precious space in the operating room environment.
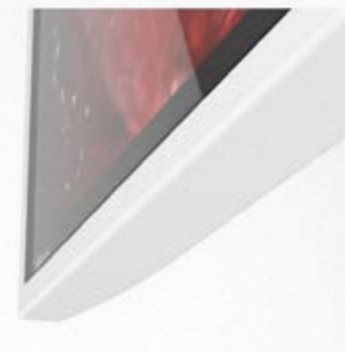
Individualized Color Point Adjustment

The default blue color point of the EX190 can be adjusted to individual requirements using a color slider. This enables color adjustment in the field such as when replacing a monitor. The adjustment can be performed via the On Screen Display (OSD) without external tools such as a luminance meter or calibration software.

Space-Efficient Installation

With their compact size and VESA mount compatibility, the 19-inch color monitors serve as efficient alternatives for use in environments with limited space.

MONITORS FOR OPERATING ROOMS

Large screen monitors allow a flexible and clear display of all required image information. The OR monitors from EIZO are additionally equipped with special safety concepts and durable components and therefore offer the best possible comfort for long-term, stable and reliable use in medical environments. Furthermore, they offer consistently precise image reproduction and optimal display quality.
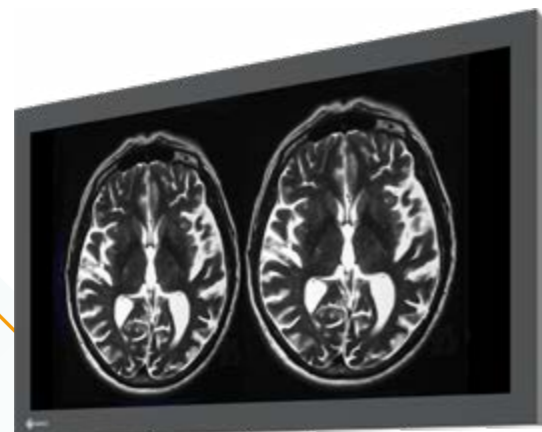
LX3240-MR
80 cm (31.5") LCD Monitor

32" WIDE 4K

LS580W
146 cm (57.5") LCD Monitor

58" WIDE 4K

LL580W
146 cm (57.5") LCD Monitor

58" WIDE 4K

Consistent Brightness

The monitors have a fully automatic stability system that keeps the brightness consistent according to medical standards such as DICOM or Gamma 2.2. A built-in light sensor in the backlight ensures the monitor maintains its luminance over time.
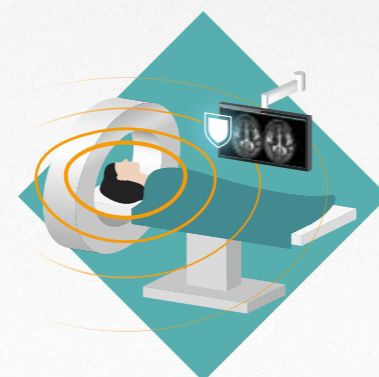
Without brightness stability   With brightness stability

MRI Compatibility

The LX3240-MR is built using special materials to minimize impact on magnetic fields and resonators. Furthermore the monitor is shielded against strong magnetic environments up to 100 mT, allowing it to be placed in proximity to an MRI scanner.

Everything in a Single Glance

Compared to solutions with multiple monitors, there are no regional color differences or obtrusive bezels between individual image sections on large screen monitors with high resolution, so that users can conveniently display important information on a single screen.

Transmission Link 1   Transmission Link 2

Backlight 1   1   Power Supply
Backlight 2   2

Error Reporting
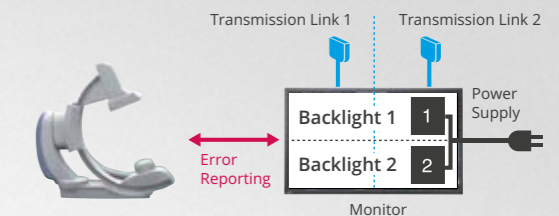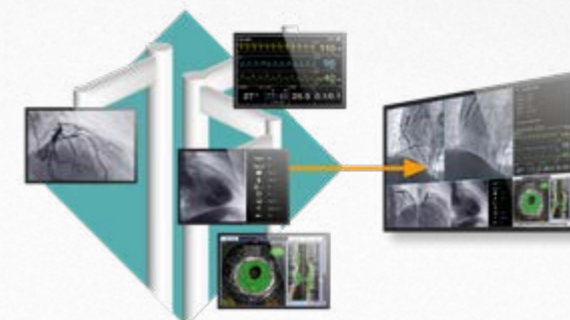
Monitor

Operational Reliability

With its redundant components architecture (2 power supplies, 2 backlights, 2 transmission links), the LS580W ensures a high degree of operational reliability for fail-safe environments. A monitoring function can be configured to notify the X-ray system if, for example, operating conditions become critical or a component fails.

VIDEO MANAGEMENT
LARGE MONITOR MANAGER

The Large Monitor Managers gather various video inputs, combine and arrange them in accordance with user preferences, and display the resulting output flexibly on the connected monitors.

LMM0804

Large Monitor Manager
12 inputs, 5 x Full HD monitors

LMM0802

Large Monitor Manager
12 inputs, 4K monitor

LMM0802-HDMI

Large Monitor Manager
8 inputs, 3 x 4K monitors

LMM56800

Large Monitor Manager
26 inputs, 4K monitors

All Gathered in One to Optimize Workflow

The Large Monitor Managers gather different signal sources and enable you to control them from one location. Users can easily arrange individual image placement and set each window size according to preference for a fully optimized workflow.

Centralized Working Place

Working with the LMM0802 and the LMM0802-HDMI, the operator can focus on a single monitor, keyboard and mouse instead of juggling with multiple systems. This speeds up workflow and reduces the potential for handling errors. Alternatively, two independent work spaces can be supported when, for example, there is one person responsible for modality information and one person responsible for PACS.

Local and Remote Control

Layout configuration, editing and selection can be performed with a locally attached keyboard and mouse, or via remote browser connected through the web interface. EIZO offers touch screens suitable for the medical environment like the CID1201P to allow users at the surgical table to quickly and conveniently select among the predefined layouts.

Added Inputs and Outputs

For the LMM0802, the LMM0802-HDMI and the LMM0804, up to 26 video sources and 14 or 16 additionally connectable monitors are possible when combined with the Extron DMS 2000 Matrix.

Independent Layouts for Multiple Monitors

With the LMM0804, up to 8 signal sources can be displayed simultaneously on a maximum of 5 connected monitors. The necessary source information can be selected and displayed independently. This is useful when the surgical staff stands in different positions and needs different information.

VIDEO MANAGEMENT OVER IP

internet gateway

remote transmission

LAN / WAN

inter-OR connection

IP network

USB A / B
Audio In / Out
Video A In / Out
Video B Out

Operating Room Solutions
CuratOR® Alipe

bis 10 Gbit/s

TIP0410-HDMI
IP-Transceiver 4K/30Hz, Full HD/60Hz

Extended Distances
The transmission via fiber-optic cable enables image and audio transmission to other ORs, conference rooms or lecture halls.

Future-Proof and Flexible
The standardized, modular extendable network solution Alipe ensures a IP based transmission of different data without visible delay but also over long distances. Different devices and technologies can be linked intelligently with each other.

TIP0810-HDMI
IP-Transceiver 4K/60Hz

Mobile Systems
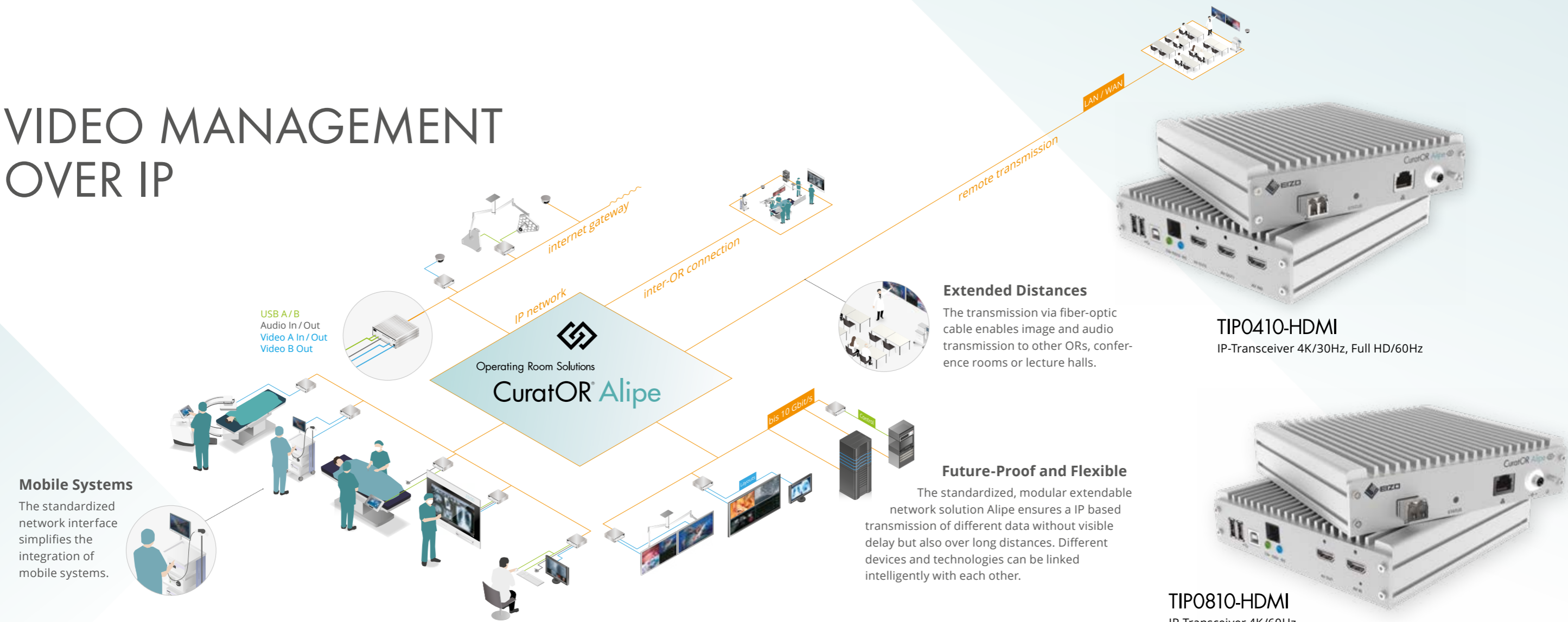The standardized network interface simplifies the integration of mobile systems.

Loss-Free Data Transmission with Maximum Image Quality

The Alipe IP-Transceiver allow for a transmission speed of up to 10 Gbit/sec. as well as image transmission of up to 4K resolution and a frame rate of up to 60 Hz. The devices work without compression, ensuring optimum image quality.

10 Gbit/s
60 Hz

Zero Latency
Images are transmitted with minimal delay at a single frame rate, offering excellent hand-eye coordination for the attending physician. This provides doctors with visual information in real time in response to every action, for example during endoscopic interventions.

Universal Application

The IP-Transceiver can be used as an encoder and decoder. The connector functionality parameters are set through the software so the number of devices and versions can be reduced. Additionally up to two video links can be processed concurrently with one TIP0410-HDMI.

In/Out

Dual Out

Loop Through
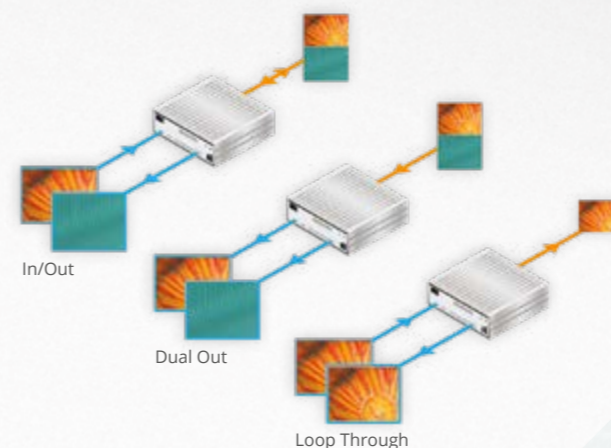
Graphic: TIP0410-HDMI
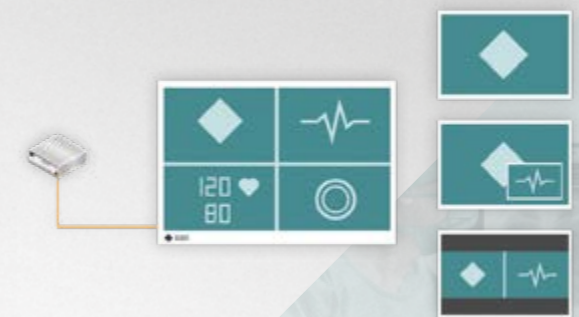
Integrated Video Management

Various video sources can be displayed simultaneously on a screen using a single cable. This enables multiple views such as Side-by-Side, Picture-in-Picture, and QuadView.

SURGICAL FIELD CAMERA SYSTEM

Capturing surgical proceedings in detail is vital for various purposes. The CuratOR SC430-PTR clearly captures the surgical field in 4K UHD resolution and comes fully integrated with a triaxial camera mount for versatile positioning.

SC430-PTR

4K/60p Surgical Field Camera

4K

Intuitive Panning and Tilting Direction

Without Integrated Camera Mount

Preview

With Integrated Camera Mount

The camera head is integrated with the camera mount, allowing left and right, and up and down movements to remain parallel to the field of view, even after rolling. When panning or tilting, the camera head moves in relation to the field of view, rather than the position of the camera head like unintegrated cameras. This ensures intuitive and effortless panning and tilting.

Smooth Positioning at High Zoom

Using unique, intelligent stepping technology, as the camera zooms in, the pan, tilt, and roll movements slow down to prevent the field of view from moving too quickly. With easily controllable movements, even under high zoom, preparation for surgery is made quicker and easier.

Movement

Without Stepping   With Stepping

4K Ultra-High Definition Resolution

1920 pixels   3840 pixels

1080   Full HD Camera   SC430-PTR   2160

4K

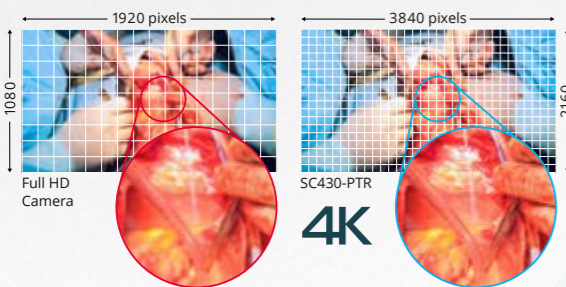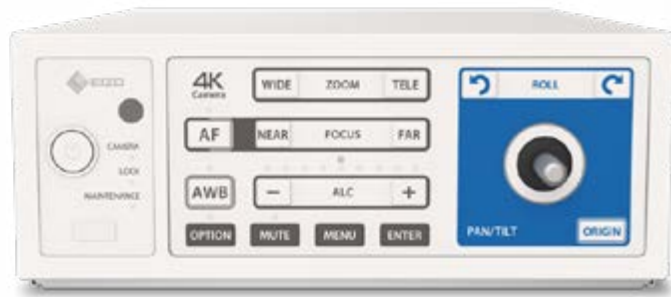The surgical field camera captures images in 4K UHD resolution (3840 x 2160) with a progressive 60 Hz signal for smooth, high definition images of the surgical site.

Zoom into Narrow Target Areas in Detail

The camera lens has up to 30x optical zoom, allowing the camera to easily zoom into small, target areas. Even when positioned at a safe distance, the camera can clearly zoom into and capture narrow surgical sites in detail.

1 x Zoom   30 x Zoom

Convenient Camera Control from Anywhere

Joystick

Camera Control Unit (CCU)   Remote Control

Camera movement, focus, and white balance can be adjusted using the front panel of the Camera Control Unit (CCU), or the supplied wireless remote control. Additionally, the CCU panel comes with a joystick for intuitive control. The camera can also be controlled from OR software, such as CuratOR Caliop.

Fully Integrated Camera Mount

The camera head comes fully integrated on a camera mount with +/-170 degrees pan, +90 to -30 degrees tilt, and +/-165 degrees roll to ensure that the field of view can be adjusted to the ideal location with ease.

+/-170°   +90°   +/-165°
                -30°

Pan   Tilt   Roll

SIGNAL ROUTING DEVICES

EIZO also offers flexible and easy-to-install signal routing solutions for use with its monitors and Large Monitor Managers.

Analog-Digital Converter

PDC0100 converts analog video signals to digital DVI format. The integrated Force Mode function supports unique analog input signals. With a range of accessories and high interconnectivity, the converter allows maximum flexibility for integration into existing systems.

PDC0100
Analog-DVI Converter

Picture Source   PDC0100   LMM0802

Split, Configure, Transmit

The TID0102 splits the DVI signal from the LMM0804 into two configurable signals. The TID0102-HDL provides additional HDL transmission technology to enable video transmission via traditional CAT cables at a distance of up to 70 m.

TID0102
DVI Splitter

Signal Splitter

By utilizing PDS0800-HD, signals coming from LMM56800 or LMM0802 are repeated and doubled to connect two 8 megapixel monitors. The additional downscale output generates a Full HD representation of the content displayed on the large screen.

PDS0800-HD
DVI Splitter / Scaler

8MP Signal → Split → 8MP / 8MP / and / Downscale → Full HD

Signal Transmission for a Long Distance

TDL enables transmission of high-quality video data of distances up to 36 meters with no loss in quality. Ethernet cable transmission allows robust handling and simple setup which easily runs through small conduits and holes.

TDL3600 / TDL2300
DVI Transmission Link

Plug & Play   Up to 36 m

When using with EX271W: up to 30 meters

LMM0804
(Alternative to LMM0804, any DVI Single Link source possible)

DVI

DVI

DVI

DVI

TID0102

TID0102

HDL
DVI
HDL
DVI

DVI   Full-HD

DVI   Full-HD

HDL connection (with TID0102-HDL only)

HDL   Up to 70 m   Full-HD

HDL connection (with TID0102-HDL only)

HDL   Up to 70 m   Full-HD

ACCESSORIES

CONNECTION PARTS

Signal Cables and Adapters
EIZO offers a variety of cables and adapters suitable for the signal inputs of the monitors.

SCC500
Short camera cable (5 m) for the operation field camera SC430-PTR.

TDL Components
Different TDL transmitters and receivers, as well as TDL cables of different lengths, are offered in predefined link sets or may be ordered individually in accordance with specific application needs.

Input Modules
EIZO offers a range of input modules for the modular EX271W monitor with which various input signals can be connected in accordance with the specific application needs.

TRM0000-DVI
DVI Connector (1080p)
DVI

TRM0000-TDL
RJ45 Connector
For TDL link connections
TDL
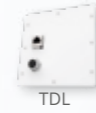
TRM0000-HDL
RJ45 Connector
For HDL link connections
HDL
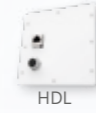
TRM0000-3GS
BNC Connector
For SDI video sources
(1080p) x 2 (input / output)
3GS

ALIPE ACCESSORIES

Network Components
For the compilation of a complete IP transmission solution, network switches and connection components are available.

WALL MOUNTS AND STANDS

Wall Mount
FWM6300
Compatible with EX5841, LS580W and LL580W

Stand
HST01
Compatible with EX2620, EX2621, EX2721 and EX2620-3D

HST02
Compatible with EX3220 and EX3220-3D

HST03
Compatible with EX3140 and EX3241

HST04
Compatible with EX3141-3D

Mounts for Alipe
Various brackets allow easy and secure mounting of IP-transceivers on the image source, on the monitor or in a rack.

Holder for 2 DVI Splitter
FMM0102
Compatible with TID0102

PROTECTION SCREEN

FPP5800
Compatible with LS580W and LL580W

GLASSES

H3G01
3D glasses for EX2620-3D, EX3220-3D and EX3141-3D

SPECIFICATIONS

SURGICAL PANEL

Model Name		CuratOR® Surgical Panel **SP1-24**	CuratOR® Surgical Panel **4K** **SP1-324K**	CuratOR® Surgical Panel **4K** **SP1-434K**	CuratOR® Surgical Panel **4K** **SP1-494K**
Model Variations		SP1-24: without touchscreen SP1-24T: with touchscreen	SP1-324K: without touchscreen SP1-324KT: with touchscreen	SP1-434K: without touchscreen SP1-434KT: with touchscreen	SP1-494K: without touchscreen SP1-494KT: with touchscreen
Housing	Material	Powder-coated stainless steel	Powder-coated stainless steel	Powder-coated stainless steel	Powder-coated stainless steel
	Front	Combination of stainless steel and anti-reflective safety glass (ESG)	Combination of stainless steel and anti-reflective safety glass (ESG)	Combination of stainless steel and anti-reflective safety glass (ESG)	Combination of stainless steel and anti-reflective safety glass (ESG)
	Color	Available in every RAL color	Available in every RAL color	Available in every RAL color	Available in every RAL color
	Mounting Options	Suitable for flush mounting or surface mounting	Suitable for flush mounting or surface mounting	Suitable for flush mounting or surface mounting	Suitable for flush mounting or surface mounting
Panel 1	Size	24"	32"	43"	49"
	Diagonal	60.5 cm (16:9 aspect ratio)	80.0 cm (16:9 aspect ratio)	108.0 cm (16:9 aspect ratio)	123.2 cm (16:9 aspect ratio)
	Panel Type	Color TFT LCD Panel with DICOM Preset	Color TFT LCD Panel with DICOM Preset	Color TFT LCD Panel with DICOM Preset	Color TFT LCD Panel (IPS) with DICOM Preset
	Native Resolution	1920 × 1080 (Full HD)	3840 × 2160 (UHD)	3840 × 2160 (UHD)	3840 × 2160 (UHD)
	Display Colors	16.7 million colors	1.07 billion colors	1.07 billion colors	1.07 billion colors
	Pixel Pitch	0.275 mm x 0.275 mm	0.182 mm x 0.182 mm	0.245 mm x 0.245 mm	0.280 mm x 0.280 mm
	Brightness (typical)	350 cd/m²	450 cd/m²	700 cd/m²	700 cd/m²
	Contrast Ratio (typical)	1000:1	1300:1	1100:1	1100:1
	Viewing Angles (H / V, maximum)	178°, 178°	178°, 178°	178°, 178°	178°, 178°
	Response Time (typical)	14 ms (Gray-to-Gray)	14 ms (Gray-to-Gray)	9 ms (Gray-to-Gray)	8.0 ms (Gray-to-Gray)
	Backlight	LED	LED	LED	LED
	Signal Inputs	DisplayPort 1.2 x 2, DVI-D single Link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single Link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single Link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single link, HDMI 1.4, HDMI 2.0 x 2, VGA
Touchscreen		Projected capacitive, multi-touch (SP1-24T only)	Projected capacitive, multi-touch (SP1-324KT only)	Projected capacitive, multi-touch (SP1-434KT only)	Projected capacitive, multi-touch (SP1-494KT only)
ITComponents		INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX	INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX	INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX	INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX
Operating System		MS Windows 10 Pro	MS Windows 10 Pro	MS Windows 10 Pro	MS Windows 10 Pro
Keyboard/Mouse		Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)	Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)	Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)	Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)
Inputs		USB 2.0 / 3.0 x 2 (front side)	USB 2.0 / 3.0 x 2 (front side)	USB 2.0 / 3.0 x 2 (front side)	USB 2.0 / 3.0 x 2 (front side)
Push Buttons	Standard	Main switch (front side), System switch (front side)	Main switch (front side), System switch (front side), LUT button (front side),	Main switch (front side), System switch (front side), LUT button (front side),	Main switch (front side), System switch (front side), LUT button (front side)
	VMbasic (optional)	–	Video input button (front side): DisplayPort 1.2, HDMI 2.0 x 2, HDMI 1.4, VGA, DVI single link, Layout button (front side): PiP, PaP,LR, TB, Quadsplit, Single, Select button (front side)	Video input button (front side): DisplayPort 1.2, HDMI 2.0 x 2, HDMI 1.4, VGA, DVI single link, Layout button (front side): PiP, PaP,LR, TB, Quadsplit, Single, Select button (front side)	Video input button (front side): DisplayPort 1.2, HDMI 2.0 x 2, HDMI 1.4, VGA, DVI single link, Layout button (front side): PiP, PaP,LR, TB, Quadsplit, Single, Select button (front side)
Maximum Power Consumption		157.7 W	190.0 W	220.0 W	265.0 W
Power Requirements		100–240 V / 50–60 Hz / 4–2 A	100–240 V / 50–60 Hz / 4–2 A	100–240 V / 50–60 Hz / 4–2 A	100–240 V / 50–60 Hz / 4–2 A
Thermal Load		567.7 kJ/h	684.0 kJ/h	792.0 kJ/h	954.0 kJ/h
Net Weight		appr. 36 kg	42 kg	48 kg	52 kg
Certifications and Standards (Please contact EIZO for the latest information)		CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE, CCC	CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE	CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE	CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE
Dimensions (Unit: mm)	Niche (BxHxT)	860 x 635 x 140	1032.5 x 697.3 x 140	1276.4 x 834.5 x 140	1409 x 909 x 140
	Device (BxHxT)	850 x 625 x 120	1022.5 x 687.3 x 120	1266.4 x 824.5 x 120	1399 x 899 x 120

		CuratOR Surgical Panel **4K** SP1-554K	CuratOR Surgical Panel **4K** SP1-654K	CuratOR Surgical Panel SP2-24-24	CuratOR Surgical Panel **4K** SP2-24-494K	CuratOR Surgical Panel **4K** SP2-24-554K
Model Name						
Model Variations		SP1-554K: without touchscreen SP1-554KT: with touchscreen	SP1-654K: without touchscreen SP1-654KT: with touchscreen	SP2-24-24: without touchscreen SP2-24T-24: with touchscreen (24") SP2-24-24T: with touchscreen SP2-24T-24T: with touchscreen	SP2-24-494K: without touchscreen SP2-24T-494K: with touchscreen (24") SP2-24-494KT: with touchscreen (49") SP2-24T-494KT: with touchscreen (24", 49")	SP2-24-554K: without touchscreen SP2-24T-554K: with touchscreen (24") SP2-24-554K: with touchscreen (55") SP2-24T-554KT: with touchscreen (24", 55")
Housing	Material	Powder-coated stainless steel	Powder-coated stainless steel	Powder-coated stainless steel	Powder-coated stainless steel	Powder-coated stainless steel
	Front	Combination of stainless steel and anti-reflective safety glass (ESG)	Combination of stainless steel and anti-reflective safety glass (ESG)	Combination of stainless steel and anti-reflective safety glass (ESG)	Combination of stainless steel and anti-reflective safety glass (ESG)	Combination of stainless steel and anti-reflective safety glass (ESG)
	Color	Available in every RAL color	Available in every RAL color	Available in every RAL color	Available in every RAL color	Available in every RAL color
	Mounting Options	Suitable for flush mounting or surface mounting	Suitable for flush mounting or surface mounting	Suitable for flush mounting or surface mounting	Suitable for flush mounting or surface mounting	Suitable for flush mounting or surface mounting
Panel 1	Size	55"	65"	24"	24"	24"
	Diagonal	138.8 cm (16:9 aspect ratio)	163.9 cm (16:9 aspect ratio)	60.5 cm (16:9 aspect ratio)	60.5 cm (16:9 aspect ratio)	60.5 cm (16:9 aspect ratio)
	Panel Type	Color TFT LCD Panel with DICOM Preset	Color TFT LCD Panel with DICOM Preset	Color TFT LCD Panel with DICOM Preset	Color TFT LCD Panel with DICOM Preset	Color TFT LCD Panel with DICOM Preset
	Native Resolution	3840 × 2160 (UHD)	3840 × 2160 (UHD)	1920 × 1080 (Full HD)	1920 × 1080 (Full HD)	1920 × 1080 (Full HD)
	Display Colors	1.07 billion colors	1.07 billion colors	16.78 million colors	16.78 million colors	16.78 million colors
	Pixel Pitch	0.315 mm x 0.315 mm	0.372 mm x 0.372 mm	0.275 mm x 0.275 mm	0.275 mm x 0.275 mm	0.275 mm x 0.275 mm
	Brightness (typical)	700 cd/m²	500 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²
	Contrast Ratio (typical)	1100:1	1100:1	1000:1	1000:1	1000:1
	Viewing Angles (H / V, maximum)	178°, 178°	178°, 178°	178°, 178°	178°, 178°	178°, 178°
	Response Time (typical)	8.0 ms (Gray-to-Gray)	8.0 ms (Gray-to-Gray)	14 ms (Gray-to-Gray)	14 ms (Gray-to-Gray)	14 ms (Gray-to-Gray)
	Backlight	LED	LED	LED	LED	LED
	Signal Inputs	DisplayPort 1.2 x 2, DVI-D single link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single link, HDMI 1.4, HDMI 2.0 x 2, VGA
Panel 2	Size	–	–	24"	49"	55"
	Diagonal	–	–	60.5 cm (16:9 aspect ratio)	123.2 cm (16:9 aspect ratio)	138.8 cm (16:9 aspect ratio)
	Panel Type	–	–	Color TFT LCD Panel with DICOM Preset	Color TFT LCD Panel (IPS) with DICOM Preset	Color TFT LCD Panel with DICOM Preset
	Native Resolution	–	–	1920 × 1080 (Full HD)	3840 × 2160 (UHD)	3840 × 2160 (UHD)
	Display Colors	–	–	16.78 million colors	1.07 billion colors	1.07 billion colors
	Pixel Pitch	–	–	0.275 mm x 0.275 mm	0.280 mm x 0.280 mm	0.315 mm x 0.315 mm
	Brightness (typical)	–	–	350 cd/m²	700 cd/m²	700 cd/m²
	Contrast Ratio (typical)	–	–	1000:1	1100:1	1100:1
	Viewing Angles (H / V, maximum)	–	–	178°, 178°	178°, 178°	178°, 178°
	Response Time (typical)	–	–	14 ms (Grey to Grey)	8.0 ms (Gray-to-Gray)	8.0 ms (Gray-to-Gray)
	Backlight	–	–	LED	LED	LED
	Signal Inputs	–	–	DisplayPort 1.2 x 2, DVI-D single Link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single link, HDMI 1.4, HDMI 2.0 x 2, VGA	DisplayPort 1.2 x 2, DVI-D single link, HDMI 1.4, HDMI 2.0 x 2, VGA
Touchscreen		Projected capacitive, multi-touch (SP1-554KT only)	Projected capacitive, multi-touch (SP1-654KT only)	Projected capacitive, multi-touch (SP2-24-24T, SP2-24T-24, SP2-24T-24T only)	Projected capacitive, multi-touch (SP2-24T-494K, SP2-24-494KT, SP2-24T-494KT only)	Projected capacitive, multi-touch (SP2-24T-554K, SP2-24-554KT, SP2-24T-554KT only)
ITComponents		INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX	INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX	INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX	INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX	INTEL® Core™ i5 processor – 3.x GHz, INTEL® Chipset, 6 MB L3 Cache, 8 GB DDR3 RAM (extendable), SATA HDD or SATA SSD, LAN RJ 45 – 10/100/1000 Base TX
Operating System		MS Windows 10 Pro	MS Windows 10 Pro	MS Windows 10 Pro	MS Windows 10 Pro	MS Windows 10 Pro
Keyboard/Mouse		Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)	Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)	Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)	Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)	Anti-microbial medical silicone keyboard with integrated mouse storage (foldable), silicone mouse (visual 5 keys, laser mouse /IP65)
Inputs		USB 2.0 / 3.0 x 2 (front side)	USB 2.0 / 3.0 x 2 (front side)	USB 2.0 / 3.0 x 2 (front side)	USB 2.0 / 3.0 x 2 (front side)	USB 2.0 / 3.0 x 2 (front side)
Push Buttons	Standard	Main switch (front side), System switch (front side), LUT button (front side),	Main switch (front side), System switch (front side), LUT button (front side),	Main switch (front side), System switch (front side)	Main switch (front side), System switch (front side), LUT button (front side)	Main switch (front side), System switch (front side), LUT button (front side)
	VMbasic (optional)	Video input button (front side): DisplayPort 1.2, HDMI 2.0 x 2, HDMI 1.4, VGA, DVI single link, Layout button (front side): PiP, PaP,LR, TB, Quadsplit, Single, Select button (front side)	Video input button (front side): DisplayPort 1.2, HDMI 2.0 x 2, HDMI 1.4, VGA, DVI single link, Layout button (front side): PiP, PaP,LR, TB, Quadsplit, Single, Select button (front side)	-	Video input button (front side): DisplayPort 1.2, HDMI 2.0 x 2, HDMI 1.4, VGA, DVI single link, Layout button (front side): PiP, PaP,LR, TB, Quadsplit, Single, Select button (front side)	Video input button (front side): DisplayPort 1.2, HDMI 2.0 x 2, HDMI 1.4, VGA, DVI single link, Layout button (front side): PiP, PaP,LR, TB, Quadsplit, Single, Select button (front side)
Maximum Power Consumption		275.0 W	287.0 W	220.0 W	290.0 W	300.0 W
Power Requirements		100 – 240 V / 50 – 60 Hz / 4 – 2 A	100 – 240 V / 50 – 60 Hz / 4 – 2 A	100 – 240 V / 50 – 60 Hz / 4 – 2 A	100 – 240 V / 50 – 60 Hz / 4 – 2 A	100 – 240 V / 50 – 60 Hz / 4 – 2 A
Thermal Load		990.0 kJ/h	1033.2 kJ/h	792.0 kJ/h	1044.0 kJ/h	1080.0 kJ/h
Net Weight		65 kg	67 kg	65 kg	70 kg	72 kg
Certifications and Standards (Please contact EIZO for the latest information.)		CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE	CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE	CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE	CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE	CE, IEC/EN 62368-1, IEC/EN 60601-1-2, RoHS, WEEE
Dimensions (unit: mm)	Niche (BxHxT)	1612 x 1012 x 140	1772 x 1112 x 140	1410 x 635 x 140	2012 x 912 x 140	2157.8 x 1018.4 x 140
	Device (BxHxT)	1602 x 1002 x 120	1762 x 1102 x 120	1400 x 625 x 120	2002 x 902 x 120	2147.8 x 1008.4 x 120

MONITORS

		CuratOR EX2620 (26" WIDE)	CuratOR EX2621 (26" WIDE)	CuratOR EX2721 (27" WIDE)	CuratOR EX3220 (32" WIDE)	CuratOR EX2620-3D (26" WIDE, 3D)	CuratOR EX3220-3D (32" WIDE, 3D)	CuratOR EX3141-3D (31" WIDE, 3D, 4K)
Model Variations		EX2620-WT: without stand	EX2621-WT: without stand	EX2721-WT: without stand	EX3220-WT: without stand	EX2620-3D-WT: without stand	EX3220-3D-WT: without stand	EX3141-3D-WT: without stand
Cabinet Color		White	White	White	White	Black (front), white (rear)	Black (front), white (rear)	Black (front), white (rear)
Panel	Type	Color (IPS)	Color (IPS)	Color (IPS)	Color (IPS)	Color (IPS)	Color (IPS)	Color (IPS)
	Backlight	LED	LED	LED	LED	LED	LED	LED
	Size	66.1 cm / 26.0"	66.1 cm / 26.0"	68.6 cm / 27.0"	80.1 cm / 31.5"	66.1 cm / 26.0"	80.1 cm / 31.5"	78.9 cm / 31.1"
	Native Resolution	1920 x 1080 (16:9 aspect ratio)	1920 x 1080 (16:9 aspect ratio)	1920 x 1080 (16:9 aspect ratio)	1920 x 1080 (16:9 aspect ratio)	1920 x 1080 (16:9 aspect ratio)	1920 x 1080 (16:9 aspect ratio)	3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)	576 x 324 mm	576 x 324 mm	598 x 336 mm	698 x 393 mm	576 x 324 mm	698 x 393 mm	654 x 368 mm
	Pixel Pitch	0.300 x 0.300 mm	0.300 x 0.300 mm	0.311 x 0.311 mm	0.364 x 0.364 mm	0.300 x 0.300 mm	0.364 x 0.364 mm	0.170 x 0.170 mm
	Display Colors	10-bit colors (SDI): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors	10-bit colors (SDI): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors	10-bit colors (SDI): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors	10-bit colors (SDI): 1.07 billion (maximum) colors, 8-bit colors: 16.77 million colors	10-bit colors (SDI): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors	10-bit colors (SDI): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors	10-bit colors (SDI / DisplayPort): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors
	Viewing Angles (H / V, typical)	178° / 178°	178° / 178°	178° / 178°	178° / 178°	178° / 178° (2D mode)	178° / 178° (2D mode)	178° / 178° (2D mode)
	Brightness (typical)	700 cd/m²	700 cd/m²	900 cd/m²	650 cd/m²	580 cd/m²	650 cd/m²	450 cd/m²
	Contrast Ratio (typical)	1400:1	1400:1	1000:1	1400:1	1400:1	1400:1	1300:1
	Response Time (typical)	18 ms (black-white-black)	18 ms (black-white-black)	14 ms (black-white-black)	16 ms (black-white-black)	18 ms (black-white-black)	16 ms (black-white-black)	20 ms (black-white-black)
	Gamut Coverage (typical)	sRGB	sRGB	sRGB	sRGB	sRGB	sRGB	BT.2020 emulation
Video Signals	Input Terminals	BNC (3G-SDI) x 2, DVI-D x 2 (HDCP 1.4), D-Sub 15 pin (mini), BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	BNC (3G-SDI) x 2, DVI-D x 2 (HDCP 1.4), D-Sub 15 pin (mini), BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	BNC (3G-SDI), DVI-D x 2 (HDCP 1.4), D-Sub 15 pin (mini), S-Video, BNC (Composite)	BNC (3G-SDI) x 2, DVI-D x 2 (HDCP 1.4), D-Sub 15 pin (mini), BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	BNC (3G-SDI) x 2, DVI-D x 2 (HDCP 1.4), D-Sub 15 pin (mini), BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	BNC (3G-SDI) x 2, DVI-D x 2 (HDCP 1.4), D-Sub 15 pin (mini), BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	DisplayPort (HDCP 1.3), HDMI (HDCP 2.2/1.4), BNC (12G-SDI), BNC (3G-SDI), DVI-D x 2 (HDCP 1.4)
	Output Terminals (Loop Through)	BNC (3G-SDI), DVI-D, S-Video, BNC (Composite)	BNC (3G-SDI) x 2, DVI-D, BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	BNC (3G-SDI), DVI-D, S-Video, BNC (Composite)	BNC (3G-SDI) x 2, DVI-D, BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	BNC (3G-SDI) x 2, DVI-D, BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	BNC (3G-SDI) x 2, DVI-D, BNC (RGB C-Sync or Component), S-Video, BNC (Composite)	BNC (12G-SDI), BNC (3G-SDI), DVI-D
	Digital Scanning Frequency (H / V)	15–75 kHz / 24–60 Hz	15–75 kHz / 24–60 Hz	15–75 kHz / 24–60 Hz	15–75 kHz / 24–60 Hz	15–75 kHz / 24–60 Hz	15–75 kHz / 24–60 Hz	27–135 kHz / 24–60 Hz
	Analog Scanning Frequency (H / V)	15–80 kHz / 24–85 Hz	15–80 kHz / 24–85 Hz	15–80 kHz / 24–85 Hz	15–80 kHz / 24–85 Hz	15–80 kHz / 24–85 Hz	15–80 kHz / 24–85 Hz	–
	Sync Formats	Separate, Composite, Sync on green	Separate, Composite, Sync on green	Separate, Composite, Sync on green	Separate, Composite, Sync on green	Separate, Composite, Sync on green	Separate, Composite, Sync on green	–
USB	Upstream	–	–	–	–	–	–	USB 2.0: Type-B (CDC)
Power	Power Requirements	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz
	Maximum Power Consumption	90 W	96 W	79 W	97 W	95 W	97 W	219 W
OSD Languages		English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese	English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese	English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese	English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese	English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese	English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese	English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese
Features & Functions		Remote control (RS-232C, GPI), PiP, PoP	Remote control (RS-232C, GPI), 3PiP, 3PoP, S.R.S.C.	Remote control (RS-232C, GPI), PiP, PoP	3D (Side by Side, Line by Line, Top and Bottom, SIMUL), Remote control (RS-232C, GPI), PiP, PoP, Optical Bonding	3D (Side by Side, Line by Line, Top and Bottom, SIMUL), Remote control (RS-232C, GPI), PiP, PoP, Optical Bonding	3D (Side by Side, Line by Line, Top and Bottom, SIMUL), Remote control (RS-232C, GPI), PiP, PoP, Optical Bonding	4K 3D (Side by Side, Line by Line, Top and Bottom), 3D (Side by Side, Line by Line, Top and Bottom, SIMUL), Remote control (USB, RS-232C), PoP, S.R.S.C., Optical Bonding
Physical Specifications	Net Weight	8.1 kg	8.4 kg	8.5 kg	9.9 kg	8.5 kg	10.2 kg	14.0 kg
	Hole Spacing (VESA Standard)	100 x 100 mm, M4, depth 5–9 mm	100 x 100 mm, M4, depth 5–9 mm	100 x 100 mm, M4, Tiefe 5–9 mm	200 x 200 mm, M6, depth 7–10 mm / 100 x 100 mm, M4, depth 5–9 mm	100 x 100 mm, M4, depth 5–9 mm	200 x 200 mm, M6, depth 7–10 mm / 100 x 100 mm, M4, depth 5–9 mm	200 x 200 mm, M6, depth 7–11 mm / 100 x 100 mm, M4, depth 7–9 mm
Degree of Protection		IP45 (Front), IP32 (Rear)	IP45 (Front), IP32 (Rear)	IP45 (Front), IP32 (Rear)	IP45 (Front), IP32 (Rear)	IP45 (Front), IP32 (Rear)	IP45 (Front), IP32 (Rear)	IP45 (Front), IP32 (Rear)
Certifications & Standards (Please contact EIZO for the latest information.)		CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, China RoHS, WEEE, CCC, EAC, BIS	CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, China RoHS, WEEE, CCC, EAC, BIS	CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, China RoHS, WEEE, CCC, EAC, BIS	CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, China RoHS, WEEE, CCC, EAC, BIS	CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, WEEE, CCC, EAC, BIS	CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, China RoHS, WEEE, CCC, EAC, BIS	CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, China RoHS, WEEE, CCC, EAC, BIS
FDA		Class I	Class I	Class I	Class I	Class I	Class I	Class I
Supplied Accessories		AC power cord, AC adapter, screws for VESA adapter x 4, cable cover, Utility Disk (PDF installation manual), instructions for use	AC power cord, AC adapter, screws for VESA adapter x 4, cable cover, Utility Disk (PDF installation manual), instructions for use	AC power cord, AC adapter, screws for VESA adapter x 4, cable cover, Utility Disk (PDF installation manual), instructions for use	AC power cord, AC adapter, screws for VESA adapter x 8, cable cover, Utility Disk (PDF installation manual), instructions for use	AC power cord, AC adapter, screws for VESA adapter x 4, 3D fogless polarized glasses x 3, cable cover, Utility Disk (PDF installation manual), instructions for use	AC power cord, AC adapter, screws for VESA adapter x 8, 3D fogless polarized glasses x 3, cable cover, Utility Disk (PDF installation manual), instructions for use	AC power cord, AC adapter, screws for VESA adapter x 8, 3D fogless polarized glasses x 3, Cable cover, Utility Disk (PDF installation manual), instructions for use
Dimensions (Unit: mm)								
Connectors								

MONITORS

CuratOR EX3140 — 31" WIDE 4K
CuratOR EX3241 — 32" WIDE 4K
CuratOR EX5841 — 58" WIDE 4K
RadiForce EX271W — 27" WIDE
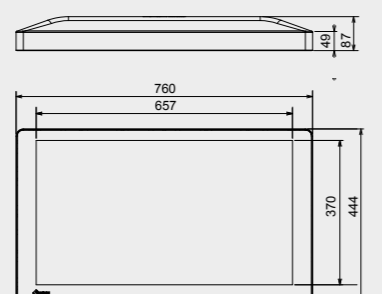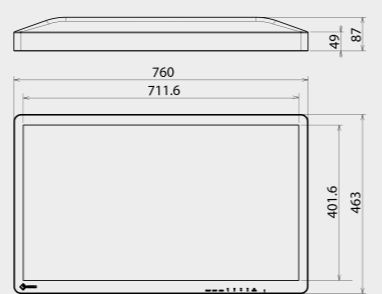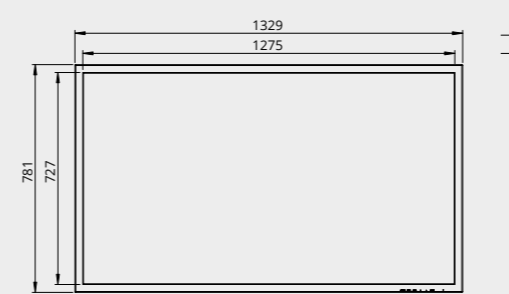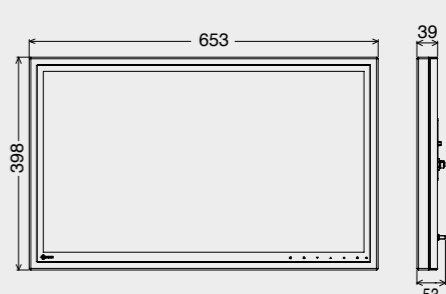
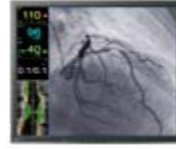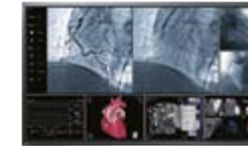|		EX3140	EX3241	EX5841	EX271W
Model Variations		EX3140-WT: without stand	EX3241-WT: without stand	EX5841: without stand	EX271W-DVI: with DVI input module EX271W-TDL: with TDL input module EX271W-HDL: with HDL input module EX271W-3GS: with 3GS input module
Cabinet Color		White	White	White	White
Panel	Type	Color (IPS)	Color (IPS)	Color	Color (IPS)
	Backlight	LED	LED	LED	LED
	Size	78.9 cm / 31.1"	81.3 cm / 32.0"	146.1 cm / 57.5"	68.6 cm / 27"
	Native Resolution	3840 x 2160 (16:9 aspect ratio)	3840 x 2160 (16:9 aspect ratio)	3840 x 2160 (16:9 aspect ratio)	1920 x 1080 (16:9 aspect ratio)
	Viewable Image Size (H x V)	654 x 368 mm	708 x 399 mm	1270 x 721 mm	597.9 x 336.3 mm
	Pixel Pitch	0.170 x 0.170 mm	0.185 x 0.185 mm	0.331 x 0.334 mm	0.311 x 0.311 mm
	Display Colors	10-bit colors (SDI / DisplayPort): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors	10-bit colors (SDI / DisplayPort / HDMI): 1.07 billion (maximum) colors 8-bit colors: 16.77 million colors	10-bit colors (SDI / DisplayPort): 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	8-bit colors: 16.77 million colors
	Viewing Angles (H / V, typical)	178° / 178°	178° / 178°	178° / 178°	178° / 178°
	Brightness (typical)	350 cd/m2	700 cd/m2	300 cd/m² (calibrated)	600 cd/m²
	Recommended Brightness for Calibration	–	–	–	–
	Contrast Ratio (typical)	1500:1	1000:1	1000:1 (calibrated)	1000:1
	Response Time (typical)	20 ms (black-white-black)	18 ms (black-white-black)	9.5 ms (Midtone)	8 ms (Midtone)
	Gamut Coverage (typical)	BT.2020 emulation	BT.2020 emulation	NTSC 88%, BT.2020 emulation	–
Video Signals	Input Terminals	DisplayPort (HDCP 1.3), BNC (3G-SDI) x 4, DVI-D x 2 (HDCP 1.4)	DisplayPort (HDCP 1.3), HDMI (HDCP 2.2/1.4), BNC (12G-SDI), BNC (3G-SDI), DVI-D x 2 (HDCP 1.4)	DisplayPort, HDMI, DVI-D Single Link, BNC (12G-SDI)	EX271W-DVI: DVI-D EX271W-TDL: RJ45 (TDL) EX271W-HDL: RJ45 (HDL) EX271W-3GS: BNC (3G-SDI)
	Output Terminals (Loop Through)	BNC (3G-SDI) x 4, DVI-D	BNC (12G-SDI), BNC (3G-SDI), DVI-D	BNC (12G-SDI)	BNC (3G-SDI, EX271W-3GS only)
	Digital Scanning Frequency (H / V)	27–135 kHz / 24–60 Hz	27–135 kHz / 24–60 Hz	–	V: 50–64 Hz (DVI single link)
	Analog Scanning Frequency (H / V)	–	–	–	–
	Sync Formats	–	–	–	–
USB	Upstream	USB 2.0: Type-B (CDC)	USB 2.0: Type-B (CDC)	USB 2.0: Type-B	–
	Downstream	–	–	USB 2.0: Type-A x 2	–
Power	Power Requirements	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz
	Maximum Power Consumption	146 W	188 W	200 W	55 W
	Typical Power Consumption	–	–	130 W	–
	Power Save Mode	–	–	0 W (power switch off), < 20 W (external power off), < 35 W (external power on)	5.2 W (lamp off mode), 20.6 W (lamp dimmed mode)
	Power Management	–	–	DMPM	DVI DMPM
Sensor		–	–	–	Backlight Sensor, Temperature Sensor
OSD Languages		English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese	English, German, French, Italian, Spanish, Swedish, Japanese, Simplified Chinese, Traditional Chinese	English	English
Features & Functions		Remote control (USB, RS-232C, GPI), PoP, S.R.S.C	Remote control (USB, RS-232C), PoP, S.R.S.C, Optical Bonding	PiP, PaP	Mirroring
Physical Specifications	Net Weight	–	–	–	–
	Net Weight (Without Stand)	11.2 kg	12.8 kg	45 kg	10 kg
	Hole Spacing (VESA Standard)	200 x 200 mm, M6, depth 7–11 mm / 100 x 100 mm, M4, depth 7–9 mm	200 x 200 mm, M6, depth 7–11 mm / 100 x 100 mm, M4, depth 7–9 mm	400 x 400 mm and 400 x 200 mm, M8.8, depth 16–20 mm	100 x 100 mm, M4, depth 5–7 mm
Degree of Protection		IP45 (Front), IP32 (Rear)	IP45 (Front), IP32 (Rear)	IP45 (Front), IP32 (Rear)	Front: IP65, Rear: IP42
Certifications & Standards (Please contact EIZO for the latest information.)		CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, FCC-A, CAN ICES-3(A), RoHS, WEEE, EAC	CE (Medical Device), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-A, FCC-A, CAN ICES-3(A), RCM, RoHS, China RoHS, WEEE, CCC, EAC, BIS	CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 601.1, ANSI/AAMI ES60601-1, EN60601-1-2 Class B, FCC-B, RCM, RoHS, China RoHS, WEEE, CCC, BIS	CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 601.1-M90, CAN/CSA C22.2 No. 60601-1, UL60601-1, FCC-B, RCM, RoHS, WEEE
FDA		Class I	Class I	–	–
Supplied Accessories		AC power cord, AC adapter, screws for VESA adapter x 8, cable cover, Utility Disk (PDF installation manual), instructions for use	AC power cord, AC adapter, screws for VESA adapter x 8, cable cover, Utility Disk (PDF installation manual), instructions for use	Power cable (eu, us, cn, jp), screws for VESA adapter x 4 (preassembled), CD-ROM (Instructions for Use, Installation Manual)	AC power supply to medical standards, power cables (en, us, jp), signal cable (DVI-D – DVI-D), forward spacer, positioning rail, mounting screws, Utility Disk (PDF Instructions for Use)
Dimensions (unit: mm)					
Connectors					Je nach Modellvariante: DVI TDL HDL 3GS

		SCD 19102 (19")	CuratOR EX190 (19")	CuratOR LX1910 (19" WIDE)	CuratOR LX3240-MR (32" WIDE 4K)	RadiForce LS580W (58" WIDE 4K)	RadiForce LL580W (58" WIDE 4K)
Model Variations		SCD 19102 D: with stand / SCD 19102 C: without stand / SCD 19102 CP: without stand, with Panel Protector	EX190: without stand / EX190-S: with stand	LX1910: without stand / LX1910-S: with stand	LX3240-MR: without stand	LS580W: without stand	LL580W: without stand
Cabinet Color		Black	Black	Black	Black	Black	Black
Panel	Type	Color (IPS)	Color (IPS)	Color	Color (IPS)	Farb-LCD Panel	Color
	Backlight	LED	LED	LED	LED	LED	LED
	Size	48 cm / 19"	48 cm / 19"	48 cm / 19"	80 cm / 31.5"	146 cm / 57.5"	146 cm / 57.5"
	Native Resolution	1280 x 1024 (5:4 aspect ratio)	1280 x 1024 (5:4 aspect ratio)	1280 x 1024 (5:4 aspect ratio)	3840 x 2160 (16:9 apect ratio)	3840 x 2160 (16:9 aspect ratio)	3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)	376.0 x 301.0 mm	376.0 x 301.0 mm	376.3 x 301.0 mm	697.3 x 392.2 mm	1270.0 x 721.0 mm	1270.0 x 721.0 mm
	Pixel Pitch	0.294 x 0.294 mm	0.294 x 0.294 mm	0.294 x 0.294 mm	0.181 x 0.181 mm	0.331 x 0.334 mm	0.331 x 0.334 mm
	Display Colors	8-bit colors: 16.77 million colors	8-bit colors: 16.77 million colors	8-bit colors: 16.77 million colors	10-bit colors: 1.07 billion colors	8-bit colors: 16.77 million colors	8-bit colors: 16.77 million colors
	Viewing Angles (H / V, typical)	170° / 170°	178° / 178°	178° / 178°	178° / 178°	176° / 176°	178° / 178°
	Brightness (typical)	330 cd/m²	700 cd/m²	700 cd/m²	1000 cd/m²	700 cd/m²	500 cd/m²
	Recommended Brightness for Calibration	–	400 cd/m²	400 cd/m²	400 cd/m²	350 cd/m²	380 cd/m²
	Contrast Ratio (typical)	900:1	900:1	1000:1	1300:1	4000:1	5000:1
	Response Time (typical)	18 ms (On/Off)	14 ms (On/Off)	13 ms rising, 12 ms falling	14 ms (midtone)	9.5 ms (midtone)	9.5 ms (midtone)
Video Signals	Input Terminals	BNC (Composite), DVI-I, D-Sub 15 pin (Separate Sync, Composite Sync, SoG), S-Video	DisplayPort, DVI-I (digital and analog RGBHV), BNC (SoG- or CVBS-signal)	DisplayPort, DVI-I (digital and analog RGBHV)	DisplayPort 1.2, DisplayPort 1.1 (Full HD), HDMI (DVI signal, Full HD) x 2	DVI-D (dual link) x 2	DVI-D (dual link) x 2
	Output Terminals (Loop Through)	–	BNC (SoG-Signal)	–	–	–	–
	Digital Scanning Frequency (H / V)	31–100 kHz / 48–85 Hz	30–80 kHz / 60–75 Hz	30–100 kHz / 50–85 Hz	131.3 kHz / 60 Hz	131.3 kHz / 59.7–60.3 Hz	132 kHz / 59.7 – 60.3 Hz
	Analog Scanning Frequency (H / V)	24–100 kHz / 48–120 Hz	30–80 kHz / 50–85 Hz	30–100 kHz / 50–85 Hz	–	–	–
	Sync Formats	Separate, Composite, Sync on green	Separate, Composite, Sync on green	Separate, Composite, Sync on green	–	–	–
USB	Upstream	–	USB 2.0: Type-B	USB 2.0: Type-B	USB 2.0: Type-B	–	–
	Downstream	–	USB 2.0: Type-A x 2	USB 2.0: Type-A x 2	USB 2.0: Type-A x 2	–	–
Power	Power Requirements	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	AC adapter: 100–240 V: 50 - 60 Hz / Monitor: 24 VDC, 6 A	AC 100–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz
	Maximum Power Consumption	58 W	58 W	45 W	155 W	400 W	200 W
	Typical Power Consumption	–	–	–	–	–	–
	Power Save Mode	Less than 8 W	Less than 8 W	Less than 2 W	20 W (DMPM mode)	Less than 38 W	Less than 30 W
	Power Management	Digital: DVI DMPM, Analog: VESA DPM	Digital: DVI DMPM, Analog: VESA DPM	Digital: DVI DMPM, Analog: VESA DPM	DMPM	DVI DMPM	DVI DMPM
Sensor		Backlight Sensor	Backlight Sensor	Backlight Sensor	Backlight Sensor	Backlight Sensor	Backlight Sensor
OSD Languages		English, German	English, German	English, German	English	–	–
Features & Functions		Force Mode	Color Slider, Force Mode	5 V power output, 1 A at Hirose connector, prioritised input (DVI-A) for emergency signal	Cal-Switch, resistance to magnetic fields up to 100 mT	Redundant components (power supply, backlight, data transmission)	–
Physical Specifications	Net Weight	SCD 19102 D: 9.7 kg	EX190-S: 8.1 kg	LX1910-S: 6.1 kg	–	–	–
	Net Weight (Without Stand)	SCD 19102 C: 4.7 kg / SCD 19102 CP: 5.3 kg	EX190: 5.1 kg	LX1910: 4.3 kg	17.2 kg	47 kg	42 kg
	Hole Spacing (VESA Standard)	100 x 100 mm, M4, depth 7–9 mm	100 x 100 mm, M4, depth 5–10 mm	100 x 100 mm, M4, depth 5–10 mm	100 x 100 mm and 200 x 100 mm, M4, depth 5–10 mm	400 x 400 mm, M8, depth 16–20 mm	400 x 400 mm, M8, depth 16–20 mm
Degree of Protection		SCD 19102 D, SCD 19102 C: IP20 / SCD 19102 CP: IP22 for front, IP20	IP20	IP20	IP20	IP20	IP20
Certifications & Standards (Please contact EIZO for the latest information.)		CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 60601-1, ANSI/AAMI ES60601-1:2005 / A2:2010, EN60601-1-2 Class B, FCC-B, RCM, RoHS, China RoHS, WEEE, CCC	CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 60601-1, ANSI/AAMI ES60601-1:2005 / A2:2010, EN60601-1-2 Class B, FCC-B, RCM, RoHS, China RoHS, WEEE, CCC, BIS (EX190-S only)	CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 60601-1, ANSI/AAMI ES60601-1, EN60601-1-2 Class B, FCC-B, RoHS, WEEE, CCC, BIS	CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 60601-1, ANSI/ AAMI ES60601-1, EN60601-1-2 Class B, FCC-B, RoHS, WEEE	CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 60601-1, ANSI/ AAMI 60601-1, EN60601-1-2 Class B, FCC-B, RoHS, China RoHS, WEEE, CCC, BIS	CE (Medical Device), IEC/EN60601-1, CAN/CSA C22.2 No. 60601-1, EN60601-1-2 Class B, ANSI/AAMI 60601-1, FCC-B, RoHS, China RoHS, WEEE, CCC, BIS
Supplied Accessories		AC power cord, signal cables (DVI-D – DVI-D, BNC – D-Sub 15 pin), Utility Disk (PDF Instructions for Use)	AC power cord (eu, us, jp, cn), signal cables (DVI-D – DVI-D, DisplayPort), adapter (DVI – VGA), Utility Disk (PDF Instructions for Use)	Adapter (D-Sub – DVI), adapter (BNC – D-Sub), Utility Disk (PDF Instructions for Use)	AC adapter + cable (15 m), Utility Disk (PDF Instructions for Use)	AC power cord (en, us), dual link signal cable (DVI-D – DVI-D) x 2, Utility Disk (PDF Instructions for Use)	AC power cord (eu, us, jp), dual link signal cable (DVI-D – DVI-D) x 2, Utility Disk (PDF Instructions for Use)

Dimensions (Unit: mm)

Connectors

LMM56800 — Large Monitor Manager
LMM0802 — Large Monitor Manager
LMM0802-HDMI — Large Monitor Manager
LMM0804 — Large Monitor Manager

	LMM56800	LMM0802	LMM0802-HDMI	LMM0804
EX2620, EX2621	–	✓	✓	✓
EX2721, EX3220	–	✓	✓	✓
EX2620-3D, EX3220-3D	–	✓	✓	✓
EX3141-3D	–	✓	✓	–
EX3140, EX3241	–	✓	✓	–
EX5841	–	✓	✓	✓
EX271W	–	✓	✓	✓
SCD 19102, EX190, LX1910	–	✓	✓	✓
LS580W, LL580W, LX3240-MR	✓	✓	✓	–
EV3285ᵃ, EV2760ᵃ, EV2750ᵃ	–	–	✓	–
MS236WTᵇ, MX315ᵇ	–	–	✓	–
Cabinet Color	Black	Black	Black	Black

Video Signals

		LMM56800	LMM0802	LMM0802-HDMI	LMM0804
Video Signals	Input Terminals	Digital: HDMI connectors (DVI signals only) x 17, DVI-D x 3. Analog (high speed): 15-pol D-Sub x 3. Analog (standard): 15-pol D-Sub x 3. 26 simultaneous visible inputs	Digital: HDMI connectors (DVI signals only) x 6, Digital / Analog: DVI-I x 2, Analog: D-Sub mini 15 pin x 2, mini DIN x 2, 8 simultaneous visible inputs (in 16 windows maximum)	HDMI connectors (DVI signals only) x 8, 8 simultaneous visible inputs (in 16 windows maximum)	Digital: HDMI connectors (DVI signals only) x 6, Digital / Analog: DVI-I x 2, Analog: D-Sub mini 15 pin x 2, mini DIN x 2, 8 simultaneous visible inputs
	Input Performance	Digital: DVI (single link), 1920 x 1200, 60 Hz (165 MHz pixelclock), non-interlaced. Analog (high speed): 1920 x 1200, 60 Hz (170 MHz pixelclock), non-interlaced. Analog (standard): 1280 x 1024, 75 Hz (135 MHz pixelclock), non-interlaced	Digital: DVI-D (single link), 1920 x 1200 maximum, 60 Hz or 2048 x 1536, 30 Hz (165 MHz pixelclock maximum, horizontal size 2048 maximum), Analog: DVI-I, VGA, 1920 x 1200 maximum, 60 Hz (170 MHz pixelclock maximum, horizontal size 1920 maximum), S-Video (PAL/NTSC), SoG	DVI-D (single link), 1920 x 1200 maximum, 60 Hz or 2048 x 1536, 30 Hz (165 MHz pixelclock maximum, horizontal size 2048 maximum)	Digital: DVI-D (single link), 1920 x 1200 maximum, 60 Hz or 2048 x 1536, 30 Hz (165 MHz pixelclock maximum, horizontal size 2048 maximum). Analog: DVI-I, VGA, 1920 x 1200 maximum, 60 Hz (170 MHz pixelclock maximum, horizontal size 1920 maximum), S-Video (PAL/NTSC), SoG
	Output Terminals	DVI-D (dual link) x 2 (via mini DisplayPort to DVI converter x 2)	DVI-D (dual link) x 2, HDMI connector (DVI single link signal only, scaler output)	DVI-D (dual link) x 2, HDMI 2.0 x 2, HDMI (DVI single link signals, scaler output)	DVI-D (Dual Link) x 2 (connection of 2 monitors each: TID0102 or TDL Link Set needed), HDMI connector (DVI single link signal only) x 1
	Output Performance	4MP x 2 (1920 x 2160 x 2, 60 Hz). Output format: 8MP (3840 x 2160, 60 Hz)	**Single Workspace** (all outputs with same picture content): 8 MP: DVI-DL x 2 [Monitor 1/2] (1920 x 2160) equate to 3840 x 2160, HDMI 1.1 [Monitor 3] (firmly scaled to 1920 x 1080) or 8MP: DVI-DL x 2 [Monitor 1/2] (2048 x 2160) equate to 4096 x 2160. **Dual Workspace** (two outputs each with same picture content): DVI-DL [Monitor 1] (2560 x 1600 or 2560 x 1440 or 1920 x 1080 or 3840 x 2160 @ 30Hz), DVI-DL [Monitor 2] (same resolution as [Monitor 1])	**Single Workspace** (all outputs with same picture content): 8MP: DVI-DL x 2 [Monitor 1/2] (1920 x 2160) equate to 3840 x 2160, HDMI 2.0 [Monitor 5] (3840 x 2160), HDMI 2.0 [Monitor 4] (freely scalable up to 3840 x 2160), HDMI 1.1 [Monitor 3] (firmly scaled to 1920 x 1080) or 8MP: DVI-DL x 2 [Monitor 1/2] (2048 x 2160) equate to 4096 x 2160, HDMI 2.0 [Monitor 5] (4096 x 2160), HDMI 2.0 [Monitor 4] (freely scalable up to 4096 x 2160). **Dual Workspace** (two outputs each with same picture content): DVI-DL [Monitor 1] (2560 x 1600 or 2560 x 1440) HDMI 2.0 [Monitor 5] (same resolution as [Monitor 1]), DVI-DL [Monitor 2] (same resolution as [Monitor 1]), HDMI 2.0 [Monitor 4] (same resolution as [Monitor 1]), Monitor 5 duplicates Monitor 1, Monitor 4 duplicates Monitor 2	4 x 2.3MP (1920 x 1200) / 4 x FHD (1920 x 1080) / 4 x 2MP (1600 x 1200) / 4 x 1MP (1280 x 1024) / 4 x (1368 x 768). (all connected monitors have to have the same resolution) HDMI connector: FHD (1920 x 1080)

Operation with Extron Matrix*

		LMM56800	LMM0802	LMM0802-HDMI	LMM0804
Operation with Extron Matrix*	Input Terminals	–	Instead of HDMI x 6 at LMM0802: Digital: DVI-D x 20	Instead of HDMI x 8 at LMM0802-HDMI: Digital: DVI-D x 20	Instead of HDMI x 6 at LMM0804: Digital: DVI-D x 20
	Input Performance	–	Digital: DVI-D (Single Link), 1920 x 1200 maximum, 60 Hz. Analog: DVI-I, VGA, 1920 x 1200 maximum, 60 Hz (pixelclock 170 MHz maximum ,horizontal size 1920 maximum), S-Video (PAL/NTSC), SoG	Digital: DVI-D (Single Link), maximal 1920 x 1200, 60 Hz	Digital: DVI-D (Single Link), 1920 x 1200 maximum, 60 Hz. Analog: DVI-I, VGA, 1920 x 1200 maximum, 60 Hz (pixelclock 170 MHz maximum, horizontal size 1920 maximum), S-Video (PAL/NTSC), SoG
	Output Terminals	–	additionally: DVI-D (Single Link) x 14	additionally: DVI-D (Single Link) x 16	additionally: DVI-D (Single Link) x 14
	Output Performance	–	additionally: 14 x 2.3MP (1920 x 1200, 165 MHz)	additionally: 16 x 2.3MP (1920 x 1200, 165 MHz)	additionally: 14 x 2.3MP (1920 x 1200, 165 MHz)
Communication Connector		Ethernet (RJ45)	Ethernet (RJ45)	Ethernet (RJ45)	Ethernet (RJ45)
USB Ports	Upstream	–	USB 2.0: type-B x 8 (for control of video applications on PC)	USB 2.0: type-B x 8 (for control of video applications on PCs)	USB 2.0: type-B x 8 (for control of video applications on PC)
	Downstream	–	USB 2.0: type-A x 6 (e.g. for keyboard, mouse, joystick)	USB 2.0: type-A x 6 (for e.g. keyboard, mouse)	USB 2.0: type-A x 6 (e.g. for keyboard, mouse, joystick)
Power	Power Requirements	AC 100 - 240 V; 5 - 2.5 A; 50 - 60 Hz. Redundancy: 2 independent power supplies, hot swap capable	AC 100–120 V, 200–240 V: 50 / 60 Hz	AC 100–120 V, 200–240 V: 50 / 60 Hz	AC 100–120 V, 200–240 V: 50 / 60 Hz
	Power Consumption	340 W (typ.)	100 W (max.), Extron Matrix: 116 W (max.)	110 W (including external load of 40 W), Extron Matrix: 116 W (max.)	100 W (max.), Extron Matrix: 116 W (max.)
OSD Languages		–	English, German, French, Japanese, Chinese*	English, German, French, Japanese, Chinese	English, German, French, Japanese, Chinese*
Physical Specification	Net Weight	18 kg (incl. converting modules and Y-cables)	5.3 kg, Extron Matrix: 8.5 kg	5.3 kg, Extron Matrix: 8.5 kg	5.5 kg, Extron Matrix: 8.5 kg
	Mechanical Installation	19" rack design, 4 RU	19" rack design, 2 RU	19" rack design, 2 RU. Extron Matrix: 3 RU	19" rack design, 2 RU. Extron Matrix: 3 RU
Degree of Protection		IP20	IP20	IP20	IP20
Controls and Status		Software control interface for layout, status and diagnosis, LED Indicators for power supplies	Graphical user interface and software control interface for operating, status and diagnosis, LED indicators for hardware status x 2	Graphical user interface and software control interface for operating, status and diagnosis, LED indicators for hardware status x 2	Graphical user interface and software control interface for operating, status and diagnosis, LED indicators for hardware status x 2
Certifications and Standards (Please contact EIZO for the latest information)		CE, IEC/EN 62368-1, UL/CSA 62368, RCM, RoHS, China RoHS, WEEE	CE, IEC/EN60601-1, CAN/CSA-C22.2 No. 60601-1, ANSI/AAMI ES60601-1, IEC/EN 62368-1, CAN/CSA C22.2 No. 62368-1:2014 / UL62368:2014, EN55032 Class B, RCM, RoHS, China RoHS, WEEE, CCC	CE, IEC/EN60601-1, CAN/CSA-C22.2 No. 60601-1, ANSI/AAMI ES60601-1, IEC/EN 62368-1, CAN/CSA C22.2 No. 62368-1:2014 / UL62368:2014, EN55032 Class B, RCM, RoHS, China RoHS, WEEE	CE, IEC/EN60601-1, CAN/CSA-C22.2 No. 60601-1, ANSI/AAMI ES60601-1, IEC/EN 62368-1, CAN/CSA C22.2 No. 62368-1:2014 / UL62368:2014, EN55032 Class B, RCM, RoHS, China RoHS, WEEE, CCC
Supplied Accessories		AC power cord (us, en), converter modules (DisplayPort – DVI) x 2, holder for converter modules, Y-cables x 3, Utility Disk (PDF Instructions for Use)	AC power cord (us, eu, cn, jp), adapter cables (HDMI – DVI) x 6, mounting brackets, screws x 2, Utility Disk (PDF Instructions for Use, test patterns). Extron Matrix: AC power cord (eu) and manual, power cable (jp) 2 m, adapter cable (RS232 – USB) 2 m, installation manual	AC power cord (us, eu, jp), adapter cables (HDMI – DVI) x 8, mounting brackets, screws x 2, Utility Disk (PDF Instructions for Use, test patterns). Extron Matrix: AC power cord (eu) and manual, power cable (jp) 2 m, adapter cable (RS232 – USB) 2 m, installation manual	AC power cord (us, eu, cn), adapter cable (HDMI – DVI) x 6, mounting brackets for rack or wall mount, screws x 4, Utility Disk (PDF Instructions for Use, test patterns). Extron Matrix: AC power cord (eu) and manual, power cable (jp) 2 m, adapter cable (RS232 – USB) 2 m, installation manual
Dimensions (Unit: mm)		430.6 / 449.2 / 490.8 / 173 / 483	444 / 286 / 88	444 / 286 / 88	444 / 286 / 88

SC430-PTR — 4K/60p Operation Field Camera

		SC430-PTR
Camera Head	Image Sensor	1/2.5 type CMOS, single chip type
	Effective Pixels	3840 x 2160
	Zoom	Optical 30x motorized zoom
	Focal Length (f=)	4,6 (W)–135 (T) mm
	Horizontal Field of View (HFOV)	68 (W)–2,6 (T) °
	Minimum Object Distance (MOD)	1500 mm (throughout the zoom range). 1000 mm (with Close-up lens)
	Filter Diameter	72 mm
	Focus Control	Auto, Manual
	Iris Control	Auto, Manual
	Pan Range	+/-170 °
	Tilt Range	+90 ° / -30 °
	Roll Range	+/-165 °
	Pan Speed	8,6–0,05 °/s, 7 steps
	Tilt Speed	8,6–0,05 °/s, 7 steps
	Roll Speed	30–0,2 °/s, 7 steps
	Built-in microphone	Yes
Features and Functions	Image Control	Auto Level Control (ALC), Center Weighting Metering, BT.2020 Emulation, White Balance, Sharpness
	Gain	Auto, Manual (0–45 db)
	Shutter Speed	[59,94 Hz output] 1/60–1/10000. [50 Hz output] 1/50–1/10000
	Picture Flip	Normal, Flip
Video Format	4K UHD	HDMI: 2160/59,94p, 2160/50p. SDI: 2160/59,94p, 2160/50p
	FHD	HDMI: 1080/59,94p, 1080/59,94i, 1080/50p, 1080/50i. SDI: 1080/59,94p, 1080/59,94i, 1080/50p, 1080/50i
	Output Terminals	HDMI x 2, BNC (Quad Link 3G-SDI), BNC (3G-SDI), Audio
	Remote Control	LAN, RS-232C, IR remote
General	Power Requirements	DC 24 V (bundled AC adapter)
	Maximum Power Consumption	55 W
	Net Weight	Camera Head and Mount: 3.1 kg (with cable cover), Camera Control Unit: 2.9 kg
	Hole Spacing	Camera Mount: 100 x 100 mm
	Operating Temperature	Camera Head and Mount: 0–40°C. Camera Control Unit: 0–40°C
	Operating Humidity	20–80%RH
	Certifications & Standards	IEC60601-1, CE, CB, FCC-A, CAN ICES-3 (A), RoHS, WEEE
	Supplied Accessories	AC adapter, AC power cord (2 m), Camera cable (25 m), IR remote, Rubber feet x 4, ND filter, Close-up lens, Cable cover, Thread-locking fluid, Instructions for Use, Quick Reference
Dimensions (unit: mm)		153 / 79 / 208,5 / 211,5 / 54,4 / Ø90 / 165° / 165° / 90° / 30° / 150 / 162 / 180 / 198 / 212 / 87,5 / 18 / 300,5 / 270 / 12,5

TIP0410-HDMI
IP-Transceiver

TIP0810-HDMI
IP-Transceiver

		TIP0410-HDMI	TIP0810-HDMI
Cabinet Color		Silver	Silver
Network	Data Rate	10 Gbit/s	10 Gbit/s
	Connector	SFP+ (10 GbE, optional SFP+ module)	SFP+ (10 GbE, optional SFP+ module)
	Cable	LWL duplex LC/LC (SFP+ module necessary)	LWL duplex LC/LC (SFP+ module necessary)
Video Signale	Input Resolution	Up to FHD (1920 x 1200), 1 x uncompressed, 60 Hz and 30 Hz, progressive and interlaced Up to 4K (3840 x 2160), 1 x uncompressed, 30 Hz	Up to 4K (3840 x 2160), 1 x uncompressed, 60 Hz
	Output Resolution	Up to FHD (1920 x 1200), 2 x uncompressed, 60 Hz and 30 Hz, progressive Up to 4K (3840 x 2160), 1 x uncompressed, 30 Hz	Up to 4K (3840 x 2160), 1 x uncompressed, 60 Hz
	Interface	HDMI 1.4 (in), HDMI 1.4 x 2 (out/ loop through)	HDMI 2.0 (in), HDMI 2.0 (out)
	Modes	Single In / Single Out (up to 4K/30Hz) In/Out (up to 4K/30Hz) Dual Out (up to FHD) Loop Through (up to 4K/30Hz)	Single In / Single Out (up to 4K/60Hz)
	Multiview	Side-by-Side, Picture-in-Picture, QuadView, Matrix View 3+1 and 1+3 right	Side-by-Side, Picture-in-Picture, QuadView
Connectors	Audio	Audio jack x 2 (in/out)	Audio jack x 2 (in/out)
	USB Ports	USB/A x 2, USB/B	USB/A x 2, USB/B
Control		Mouse and keyboard control	Mouse and keyboard control
Power Consumption		17 W, optional: 5 W (for USB), passive cooling	17 W, optional: 5 W (for USB), passive cooling
Power Requirements		External power supply, 230 AC	External power supply, 230 AC
Net Weight		1050 g	1050 g
Certifications and Standards (Please contact EIZO for the latest information)		CE, IEC/EN 62368-1, tested for IEC60601-1-2, RoHS, Reach, WEEE	CE, IEC/EN 62368-1, getestet für IEC60601-1-2, RoHS, Reach, WEEE
Optional Accessories		Optical module (SFP+ 10G LC), power supply, connection and mounting accessories	Optical module (SFP+ 10G LC), power supply, connection and mounting accessories
Dimensions (Unit: mm)			

PDC0100
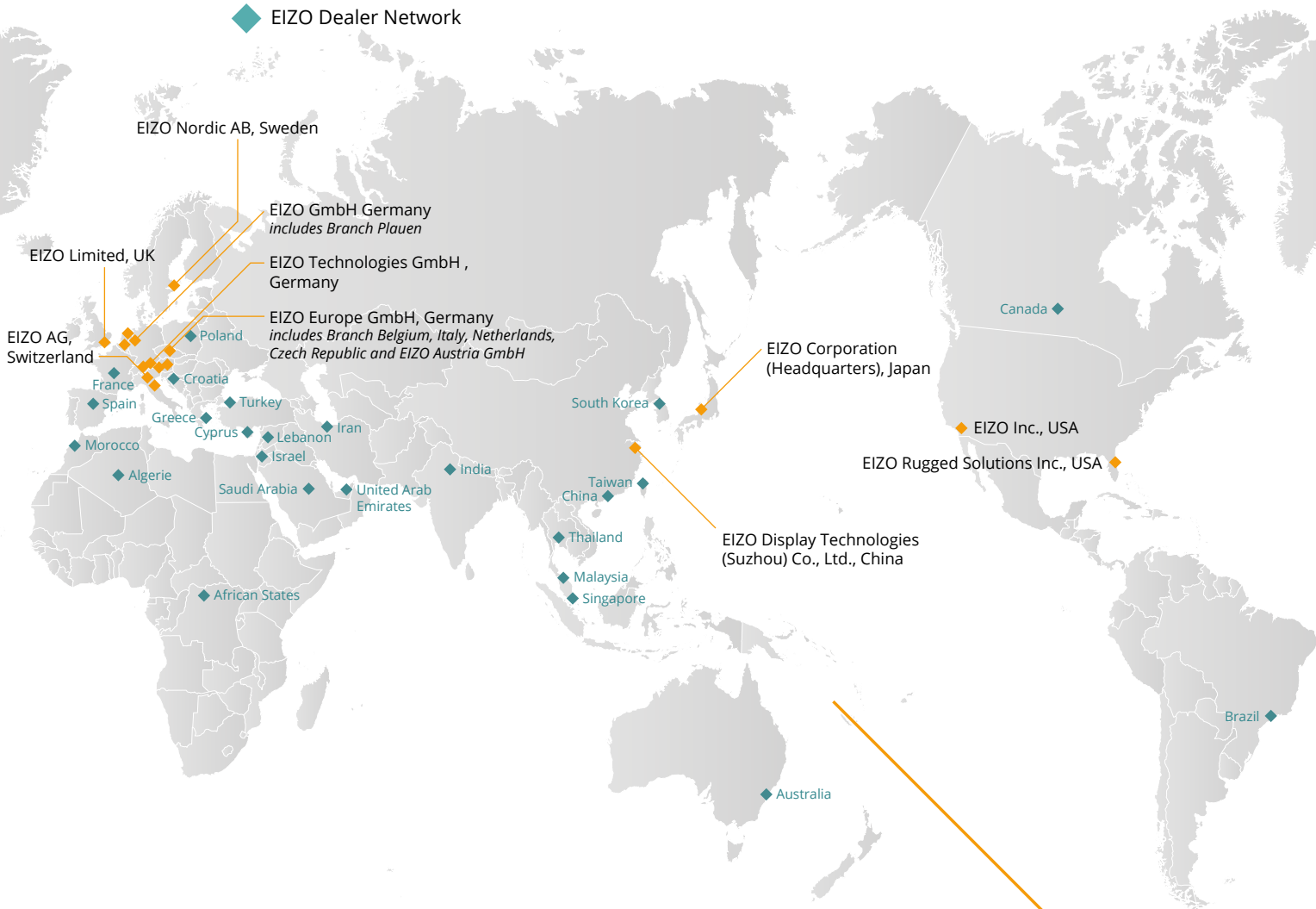Analog-DVI Converter

PDS0800-HD
DVI Splitter / Scaler

TID0102
DVI Splitter

TDL3600 / TDL2300
DVI Transmission Link

	PDC0100	PDS0800-HD	TID0102	TDL3600 / TDL2300
Model Variations	–	–	TID0102-DVI: DVI-Splitter TID0102-HDL: With additional HDL outputs	TDL3600-QL: quad link, 36m TDL3600-DL: dual link, 36m TDL3600-SL: single link, 36m TDL2300-SL: single link, 23m
Cabinet Color	Black	Light Gray	Black	Silver
Input Terminals	DVI-I (digital: DVI, analog: RGB), D-Sub mini 15 pin (Separate, Composite, SoG), BNC (Composite, PAL, NTSC), 4 pin mini DIN (S-Video)	DVI-D (dual link) x 2 (A+B)	DVI	TDL3600-QL: DVI-D (dual link) x 2 TDL3600-DL: DVI-D (dual link) TDL3600-SL / TDL2300-SL: DVI-D
Input Performance	Digital: DVI-D (single link), max. 1600 x 1200, 60 Hz, Analog: VGA, SVGA, XGA, SXGA, UXGA, PAL, NTSC, Scanning Frequency: Analog 30–100 kHz, 50 - 100 Hz	8MP (4096 x 2160: 2048 x 2160 x 2 channel, 60 Hz), 8MP (UHD, 3840 x 2160: 1920 x 2160 x 2 channel, 60 Hz)	Up to 1920 x 1200 (x 2 thru Dual Link)	TDL3600-QL: 3840 x 2160 TDL3600-DL: 2560 x 1600 TDL3600-SL / TDL2300-SL: 1920 x 1200
Output Terminals	DVI-D	DVI-D (Dual Link) x 4 (A+B x 2), DVI-D (single link), mini DIN (YPbPr)	TID0102-DVI: DVI x 2 TID0102-HDL: DVI x 2, RJ45 (HDL) x 2	TDL3600-QL: DVI-D (dual link) x 2 TDL3600-DL: DVI-D (dual link) TDL3600-SL / TDL2300-SL: DVI-D
Output Performance	1280 x 1024 (SXGA), 60 Hz	8MP (4096 x 2160: 2048 x 2160 x 2, 60 Hz) 8MP (3840 x 2160: 1920 x 2160 x 2, 60 Hz) Downscale-output (with UHD input resolution only): FHD (1920 x 1080, 60 Hz) Analog / Composite (1920 x 1080, 60 Hz)	DVI: Depending to input signal HDL: up to Full HD (1920 x 1080, 60 Hz)	TDL3600-QL: 3840 x 2160 TDL3600-DL: 2560 x 1600 TDL3600-SL / TDL2300-SL: 1920 x 1200
Connector	RJ11 x 2 (Upstream, Downstream), Supported Signal: RS 232-Bus	–	–	–
Configuration	–	–	Dip switch 8pin x 2	–
Power Requirements	AC 100–120 V, 200–240 V: 50 / 60 Hz	AC 100–240 V: 50 / 60 Hz	TID0102-DVI: 5 V thru LMM0804 TID0102-HDL: 12 V thru external power adapter	PC side: through DVI interface Monitor side: 5 V support from monitor Optional: 5 V external power supply
Power Consumption	10 W	36 W	TID0102-DVI: 3.6 W TID0102-HDL: 8.4 W	–
Degree of Protection	IP20	IP20	IP20	IP20
Net Weight	850 g	1.1 kg	0.9 kg	0.1 kg (each transmitter and receiver, without cable)
Mechanical Installation	Injection nut M3 on each side (distance 31.8 mm) x 2	19" rack design, 1 RU	19" Rackform (half), 1 RU	Transmitter module at PC side (DVI-D - RJ45), TDL cable (RJ45 - RJ45), Receiver module at monitor side (RJ45 - DVI-D)
Certifications and Standards (Please contact EIZO for the latest information.)	CE, IEC/EN 62368-1, UL/CSA 62368-1 (cMETus), EN60601-1-2 Class B, FCC-A, RoHS, RCM, China RoHS, WEEE	CE, IEC/EN 62368-1, EN55032, EN55024, FCC-A, RoHS, WEEE adapter: CE, IEC/EN 62368-1	CE, IEC60950-1, CSA – C22.2 No. 60950-1, FCC-B, RoHS, RCM, WEEE	CE, IEC/EN60601-1, CAN/CSA C22.2 No. 60601-1:08, ANSI/AAMI ES60601-1:2005, EN60601-1-2 Class B, FCC-A, RCM, RoHS, China RoHS, WEEE
Supplied Accessories	AC adapter, signal cable (VGA – VGA, DVI – DVI), remote key pad with 30 m cable, Utility Disk (PDF Instructions for Use)	Adapter mini DIN to 3 x cinch, AC adapter	AC adapter (TID0102-HDL only), signal cable (DVI dual link, 0.5 m), mounting brackets x 2, holder x 2, Utility Disk (PDF Instructions for Use)	TDL3600-QL: Transmitter x 2, Receiver x 2, mounting set for LS580W/LL580W, mounting set for LMM56800/LMM0802, 36 m cable x 4, TDL3600-DL: Transmitter, Receiver, 36 m cable x 2, AC adapter, TDL3600-SL: Transmitter, Receiver, 36 m cable, adapter, TDL2300-SL: Transmitter, Receiver, 23 m cable, adapter, Utility Disk (PDF Instructions for Use)
Dimensions (unit: mm)				

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Local Contacts

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

Contact for OEM customers

EIZO GmbH	Tel:	+49 7272 9850-0
Carl-Benz-Str. 3	Fax:	+49 7272 9850-471
76761 Rülzheim	E-Mail:	dt-contact@eizo.com
Germany	Web:	https://www.eizo-or.com