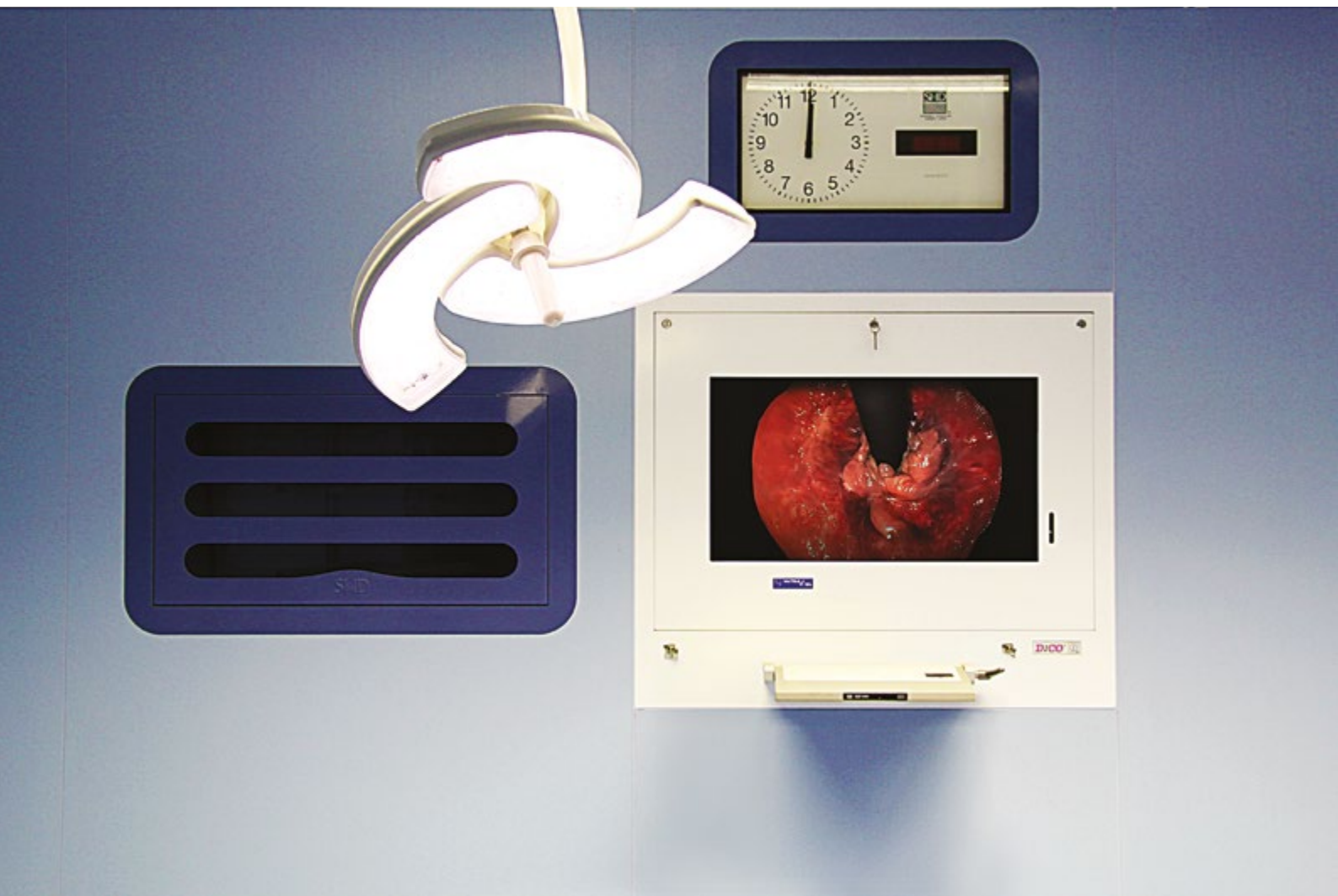


digital & analog images viewing station

MEDICAL VIEWING STATION **DiCO**

PACS ♦ RIS ♦ HIS



ULTRA*Vi***OL**

About ULTRAVIOL

history, mission & vision

Founders



Wiesław Pietras



Radosław Purgał

Successors



Piotr Pietras

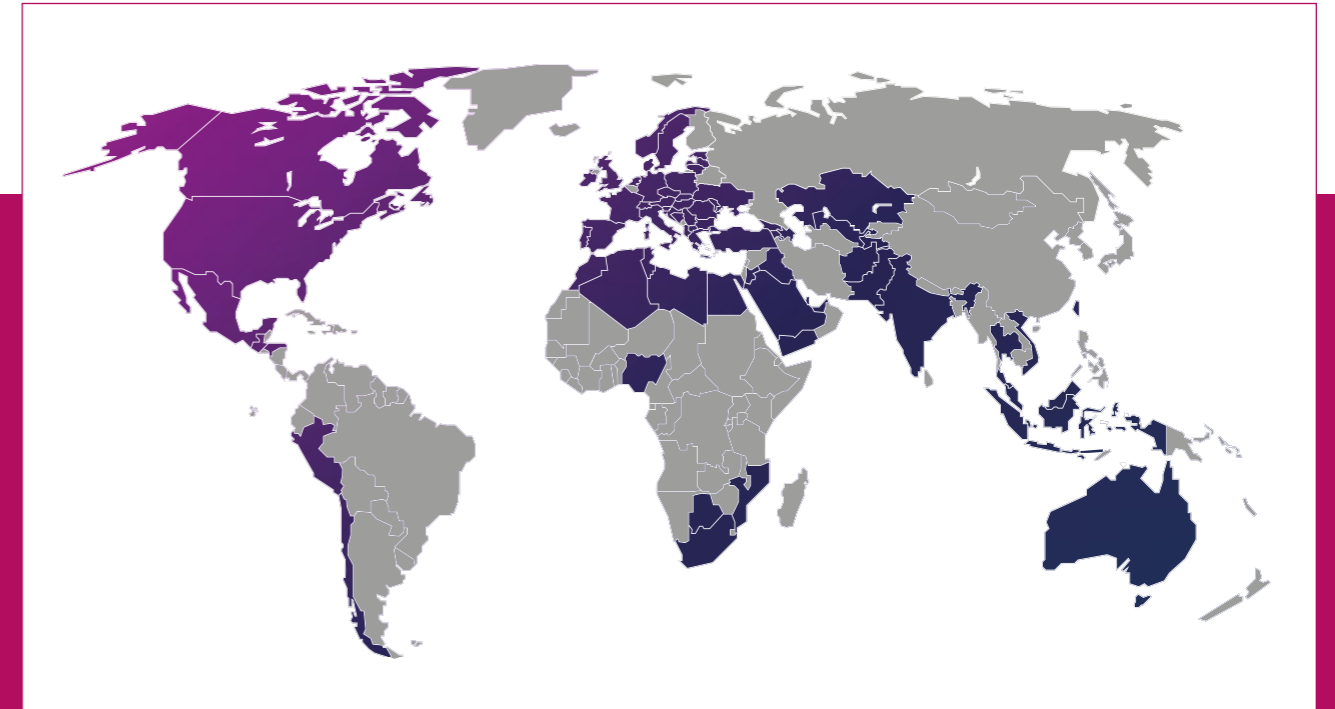


Mateusz Purgał

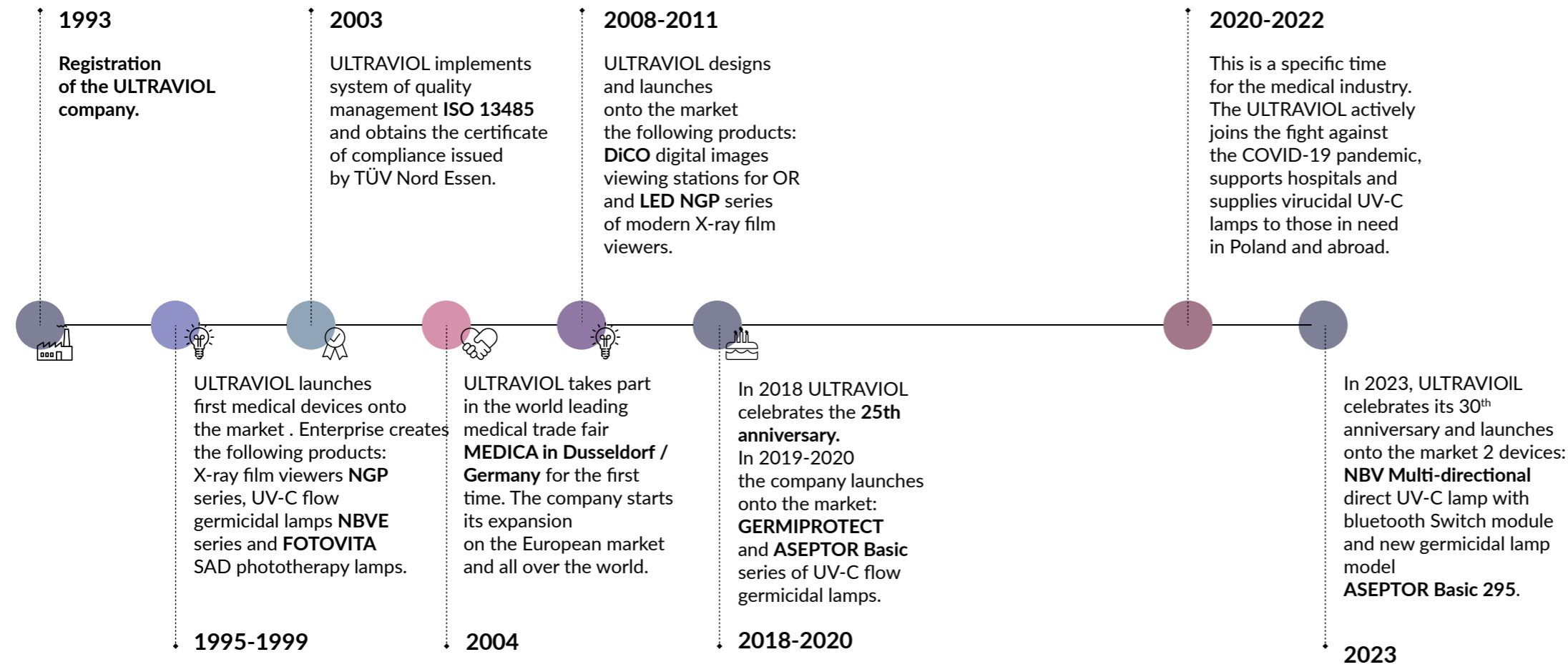
ULTRAVIOL is an experienced manufacturer and supplier of medical equipment. The company was founded in 1993. ULTRAVIOL's appliances work in every prestigious clinic and hospital both in Poland and worldwide.

ULTRAVIOL company meets the highest requirements set for manufacturers of medical equipment. The enterprise obtained the certificate of compliance for quality management system ISO 13485 issued by TÜV Nord Poland sp. z o.o.

Germicidal UV-C lamps manufactured by ULTRAVIOL have been used to fight the world COVID-19 pandemic by thousands of medical units, beauty salons, hospitals and healthcare facilities.



Sales to over 70 countries



MEDICA 2019 - MESSE DÜSSELDORF



ARAB HEALTH 2023 - DUBAI

DiCO®

Digital images viewing station (PACS, RIS HIS) for operating room (operating theater)

DiCO viewing station is a complete medical computer for operating theater, also known as a digital X-ray films viewer. It is compatible with the PACS, RIS and HIS. DiCO viewing station works via LAN and can be part of the integrated operation room. The hermetic and washable housing distinguishes DiCO as a perfect viewing device to be used in the hospital.

The highest quality of the DiCO station is assured by the fact, that ULTRAVIOL complies with the ISO 13485 norm for medical devices. Entire process of designing, manufacturing and assembling is strictly controlled and supervised. ULTRAVIOL offers various configurations, types of finish and provides complex technical consulting services. The combination of our know-how and experience resulted in sales to hundreds medical facilities in Poland and worldwide.



intel
i3/i5/i7
intel generation 12

EASILY
folding keyboard

SCHOTT CONTURAN®
anti-reflective glass coating

DICOM
standard of monitors

Mounting types



Recessed version

Wall-mounted version

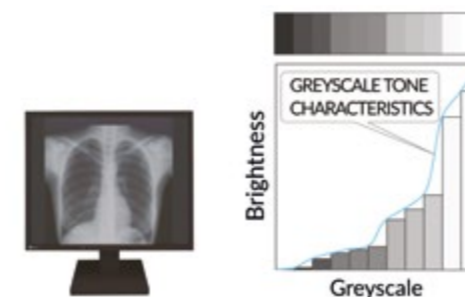
On a mobile stand

Benefits of DiCO® station

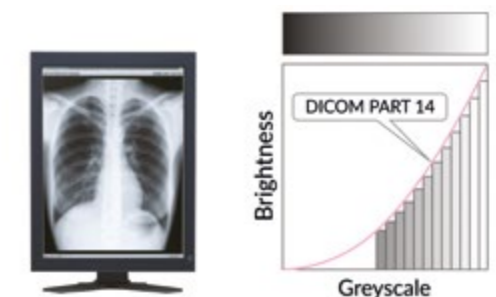
- ✓ Complete medical computer with **reference monitor**
- ✓ **Foldable, washable** silicone keyboard with optional medical mouse tray
- ✓ Monitors protected with **anti-reflex SCHOTT CONTURAN®** glass with anti-glare coating 8 times reducing undesirable glare.
- ✓ Easy to clean and disinfect - **aseptic for OT/OR**
- ✓ Possibility of **elastic configuration** - monitor diagonal, number of monitors, housing type, mounting method, RAM memory, processor, inputs and outputs - adjusted to client's needs
- ✓ The possibility of expanding the station in the future - **replaceable components** that allow to adapt to the dynamically changing requirements of technology

Reference medical displays used in DiCO® station

The DICOM software calibration of standard monitors with computer graphics cards, used by some manufacturers, is less expensive, but loses a significant amount of information stored in the DICOM file. As a consequence, this causes a significant deterioration in the quality of medical images. The DiCO station equipped with reference medical displays ensures the highest accuracy of displayed details.



The image on the standard monitor



The image on the reference monitor

Details of DiCO® station



High-quality medical (reference) monitor EIZO with screen of diagonal from 21" to 70" and resolution min. 2 MP. Compatible with DICOM



Integrated CD/DVD drive for wall mounted and mobile version.



Top-class computer processor guarantees the highest performance and reliability



2x USB sockets protected against flooding



Integrated medical keyboard with aluminium housing, easy to disinfect, silicone with antibacterial coating and touchpad (can be supplied as a separate article)



Silicone medical mouse, Optional version with keyboard and a medical mouse tray.



CD/DVD drive for the recessed version



Reliable and safe mechanism of keyboard folding



High-grade X-ray film viewer made in LED technology, single or double frame, excellent parameters: luminance 6000 cd / m² superior light uniformity > 90% adjustable light intensity 10-100%. Optional LED X-ray film viewer



DiCO® station meets the requirements of Medical Device Regulation EU 2017/745 (MDR) and is registered in the URPLW MiPB Polish competent authority for medical devices in Warsaw and in the European database EUDAMED.

DiCO® station complies with the requirements of the standards: EN 60601-1 (medical device safety) and EN 60601-1-2 (electromagnetic compatibility).

Antireflex

Protection of the monitor is made of special glass SCHOTT CONTURAN® with anti-reflective coating 8-times reducing undesirable glare.

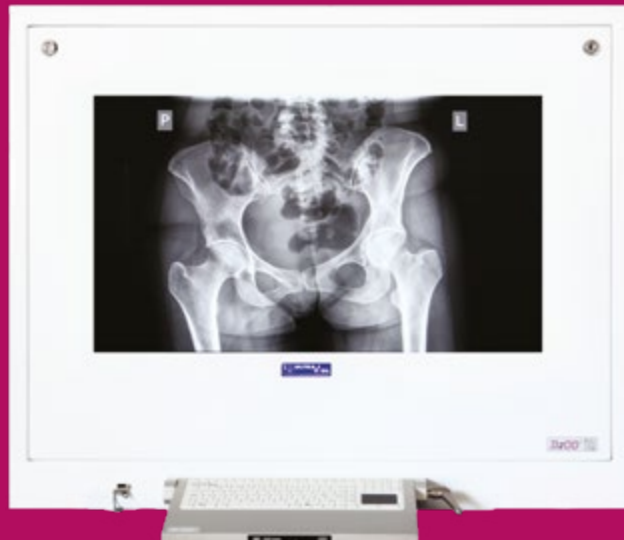


Anti-reflective coating



Ordinary glass

Housing versions of aseptic DiCO® station



Powder coated steel sheet available in any RAL color - the whole housing.

On request, we can offer different versions of housing for DiCO® station.

All types of DiCO® stations, regardless of the diagonal of the monitor and the type of material used, can be mounted in recesses or in wall systems finished with panels made of steel sheet, glass, etc.

At the customer's request, we can make the housing in a different RAL color.



Stainless steel (INOX) - the whole housing.



Anti-reflective glass SHOTT CONTURAN® any RAL color - part of the front of housing

Multi-touch screen

Each DiCO® viewing station regardless of the mounting type and diagonal of the monitor can be equipped with a touch screen (multi-touch).

Available with or without keyboard.



DiCO® - Essential in every operating room

Examples of DiCO® station configuration

DICO 1M	1 monitor 21" 24" 27" 32"		PC computer system: <ul style="list-style-type: none"> Intel mainboard; i3/i5/i7 processor RAM 8GB/16GB/32GB hard drive 240 GB SSD /500 GB HDD or larger on special request LAN 10/100/1000 MBit socket protected against flooding graphic card – professional, for high accuracy of the image reproduction DVD+/-RW WINDOWS 10® PRO 64 bit
DICO 2M	2 monitors 21" 24" 27"		
DICO 1M/1B	1 monitor 21" 24" 27" 32" 43" 49" 55" single LED X-ray film viewer		Additionally <ul style="list-style-type: none"> Input socket of video signals: 1 x HDMI i 1 x Display Port 2 x USB 2.0 output of the HDMI or DVI-D video signals
DICO 1M	1 large monitor 43" - 70"		
DICO 2M	1 monitor 43" or 49" 1 monitor 21" or 24"		Additionally <ul style="list-style-type: none"> input sockets of video signals: HDMI, DVI-D, VGA 2 x USB 2.0 output of the HDMI or DVI-D video signals
DICO 2M/1B	1 monitor 43" or 49" 1 monitor 21" lub 24" single LED X-ray film viewer		
R - additional monitor on the straight-line arm	1 monitor 19" - 24"		Shows the image „cloned” from the main monitor of the DiCO® staton (optionally - touch screen)
DICO 2M (60"/17")	1 monitor 21" 24" 27"		Visualization system allows simultaneous real-time display of the video signals from DVI-D, VGA, Composite, S-Video, Component inputs on the monitor with 8MP resolution. Advanced control system allows to select any configuration of the displayed images (e.g. 1, 2 or 4 images) and immediate switching them with touchscreen control monitor.



Łódź, Poland



Kraków, Poland

DiCO ® station in the integrated operating room

TOUCH SCREEN
CONTROL MONITOR 21"™

CD/DVD

LAN, PACS, HIS, RIS,

EIZO 60" 8M PX

HDMI

HDSI

VGA

DVI

2 x USB

WASHABLE KEYBOARD



University Hospital in Zielona Góra, Poland – DiCO 2M (60"/21")

Nurses' station for operating room

Nurses' station DiCO is a version of DiCO viewing station designed to work in operating rooms and process administrative data and other data related to IT service systems in the operating room during and after surgical procedures.

The station is a complete, separate, and independent medical computer designed to operate in areas that require the highest standard of microbiological purity (ease of cleaning and disinfection), and at the same time, there is a need for connection with hospital information systems.

The station is equipped with a computer processor min. Intel i3 (i5, i7 optionally), powerful graphics card, and medical silicone keyboard with touchpad and medical mouse tray. The monitor of the nurses' station is calibrated to the DIOCM Part.14 standard grayscale allowing one to view X-ray images. Screen size: 21", 24" or 43". Operating system Windows. Version with touch screen available on the request. Mounting versions: wall-mounted, recessed, or on a mobile stand.



Systems for video recording and communication in operating rooms

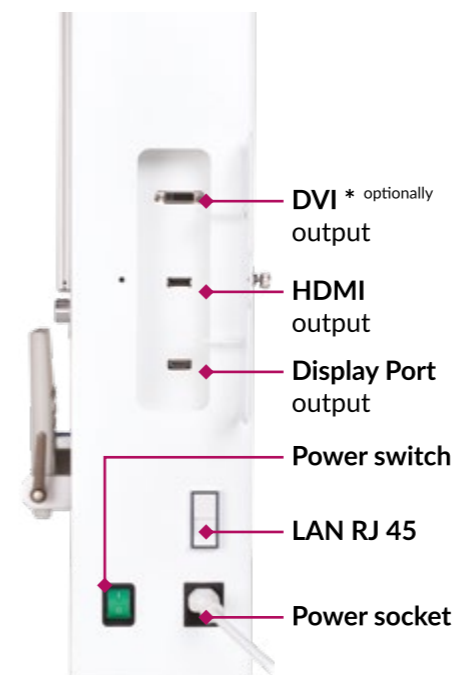
The multimedia video recording system is a fully integrated cross-platform software and hardware solution, using a DiCO video station that works with hospital IT systems. It is also an intuitive package of applications for recording videos in Full HD or SD quality. The system also enables the creation of operational reports and remote two-way audio/video communication. Audio/video communication significantly improves the quality of work in the operating room, giving the possibility of consultation.

Large medical monitors for operating rooms

Ultraviol offers also large medical monitors for operating rooms, with available screen diagonals: 21", 24", 27", 32", 43", 49", 55", 60", 70".



Installation directly to the wall or on the folding handles.



Each nurses' station can be equipped with a keyboard with a mouse tray and a **medical-silicon mouse easy to disinfect** on special request.

Right side of DiCO® station in wall-mounted version





Provincial Specialist Hospital in Olsztyn



Provincial Specialist Hospital in Wrocław



University Children's Hospital of Kraków



Antoni Jurasz University Hospital No. 1 in Bydgoszcz

DiCO®
viewing stations
in hospitals



Enel-Med medical center in Warszawa



The University Hospital in Olsztyn

DiCO®
the examples
of application



District Hospital in Zawiercie



Oncology center in Katowice



Egypt



Military Medical Institute in Warszawa



The Military Hospital in Szczecin



Independent Public Healthcare Center of the Ministry of Interior and Administration in Gdańsk



Hungary



Hungary

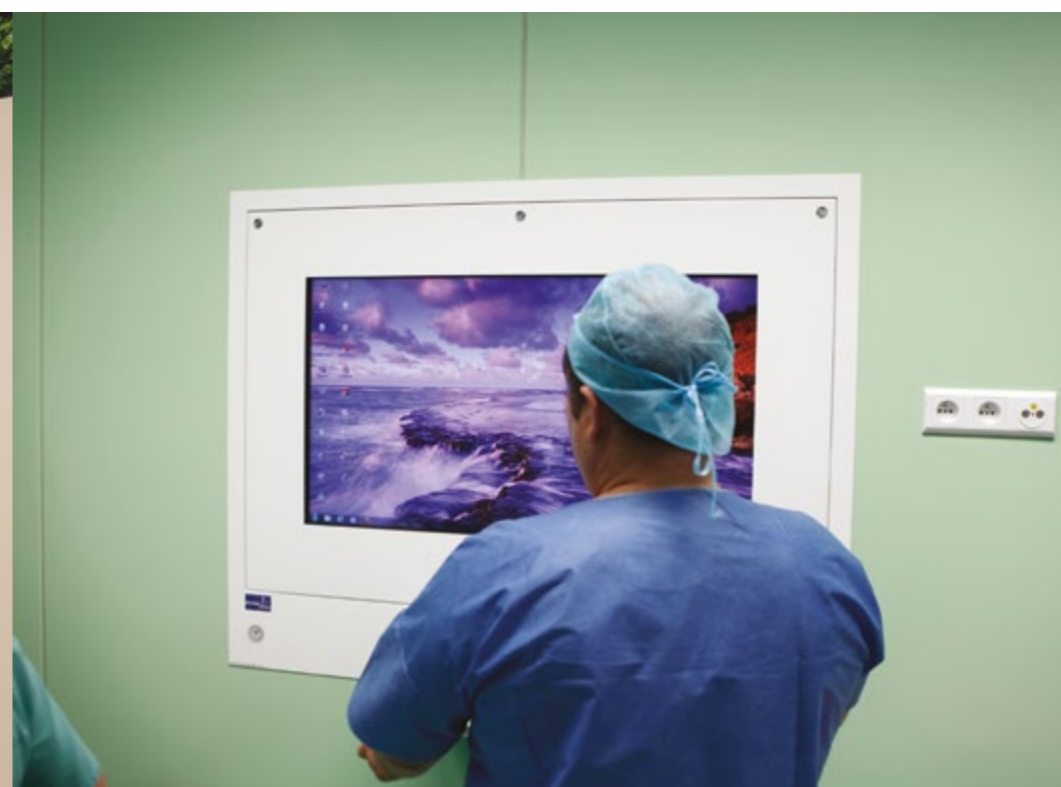


Burn Treatment Center in Siemianowice Śląskie

**DiCO®
viewing stations
in hospitals**



Biegański Hospital in Łódź



Provincial Specialist Hospital in Wrocław

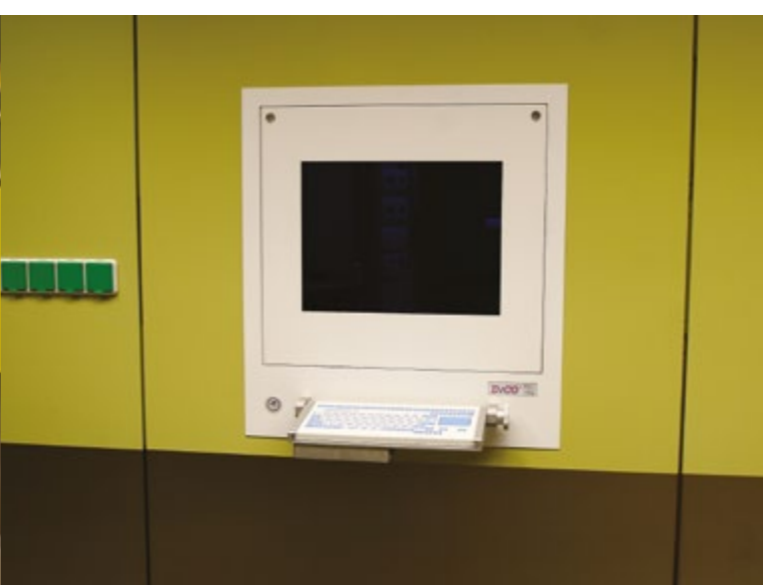
**DiCO®
the examples
of application**



Lesser Poland Orthopedic and Rehabilitation Hospital in Kraków



Independent Public Health Care Complex in Kościan



District Hospital in Racibórz



The Regional Hospital in Szczecin

Polish manufacturer of the UV-C lamps
and medical devices for **over 30 years.**



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ULTRAVIOL

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**European
Funds**
Regional Programme



**Republic
of Poland**



**region
łódzkie**

European Union
European Regional
Development Fund

