

MEDICAL VIEWING STATION *DICO*

DIGITAL AND ANALOG IMAGES VIEWING STATION



(PACS, RIS, HIS)



Company Ultraviol



Medica Fair 2014 in Düsseldorf



Salmed Fair 2014 in Poznań

Arab Health Fair
in Dubai 2014



UltraViol is a dynamically developing company manufacturing medical equipment. We have been established in 1993.

We offer wide range of X-ray film viewers, including LED modern line, flow and direct radiation germicidal lamps and SAD phototherapy light Fotovita.

Our latest product offer includes the digital and analog images viewing stations, Breis /Ultraviol/ Pacs diagnostic console and Dermalight UV-irradiation units for treatment of skin diseases.

Our company is continuously improving technological solutions to our devices, modernizing their design and quality.

The medical equipment manufactured by our company complies with the requirements of 93/42/EEC (with amendments according to 2007/47/EC) and 2004/108/WE Directives, EN 60601 standard on safety of medical devices and EN 60601-2 standard concerning electromagnetic compatibility of the products.

To confirm the fact that ULTRA-VIOL meets the highest requirements for manufacturers of medical devices, the company obtained ISO 9001 and ISO 13485 certificates granted by TUV NORD CERT GmbH, Essen, Germany.

Our equipment is used by all the best clinics and hospitals in Poland. We export the products to most of the European countries and many other countries all over the world.

The main provider of light sources and power systems, which have a great impact on the high quality of our equipment, is PHILIPS, OSRAM – the worldwide leaders in light technology.

Technological processes used in our production are environmentally friendly.

The detailed information and technical data of our products are available in catalogues and on our website www.ultraviol.pl.

We invite you to become our business partner.



DiCO 1M (40")

**ON CUSTOMER REQUEST
WE CAN OFFER DIFFERENT
VERSIONS OF HOUSING
FOR DiCO® STATION**

**Powder coated steel sheet
available in any RAL color
– the whole housing**



DiCO 1M (40")

**Stainless steel
(INOX)
– the whole
housing**



DiCO 1M (40")

**Anti-reflective glass SCHOTT
CONTURAN DARO® any RAL color
– the front of housing**

All types of DiCO station, regardless of the monitor diagonal and type of material used, can be installed in recessed walls or in wall systems finished with panels of steel sheet, glass, etc.

**ESSENTIAL
IN OPERATING
ROOMS**

NEW!
Touch screen type MULTI TOUCH

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 a keyboard.



DiCO 1M (24")
with
a touch screen



DiCO® station meets the requirements of Medical Directive MDD 93/42 / EEC with amendments according to 2007/47 / EC and is registered in the URPLWMIpB database for medical devices in Warsaw and in the European database EUDAMED. DiCO® station complies with the requirements of the standards: PN-EN 60601-1 (product safety medical) and EN 60601-1-2 (electromagnetic compatibility).

Integrated CD/DVD
drive for wall mounted
and mobile version



**High-quality medical
(reference) monitor**
EIZO with display
diagonal of 21" to 70"
and resolution min
2 MP compatible with
DICOM



**Top-class computer
system** guarantees the
highest performance
and reliability.



2 x USB sockets
protected against
flooding.



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



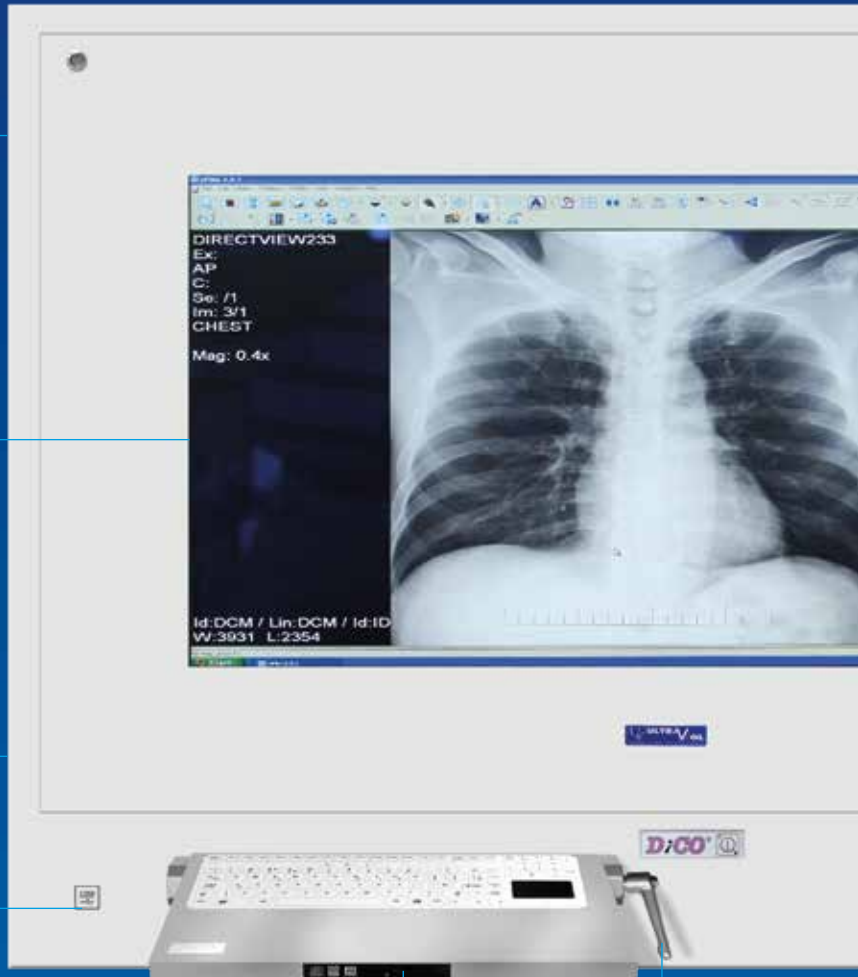
**Silicone medical
mouse.**
Optional version with
keyboard with
a medical mouse tray.



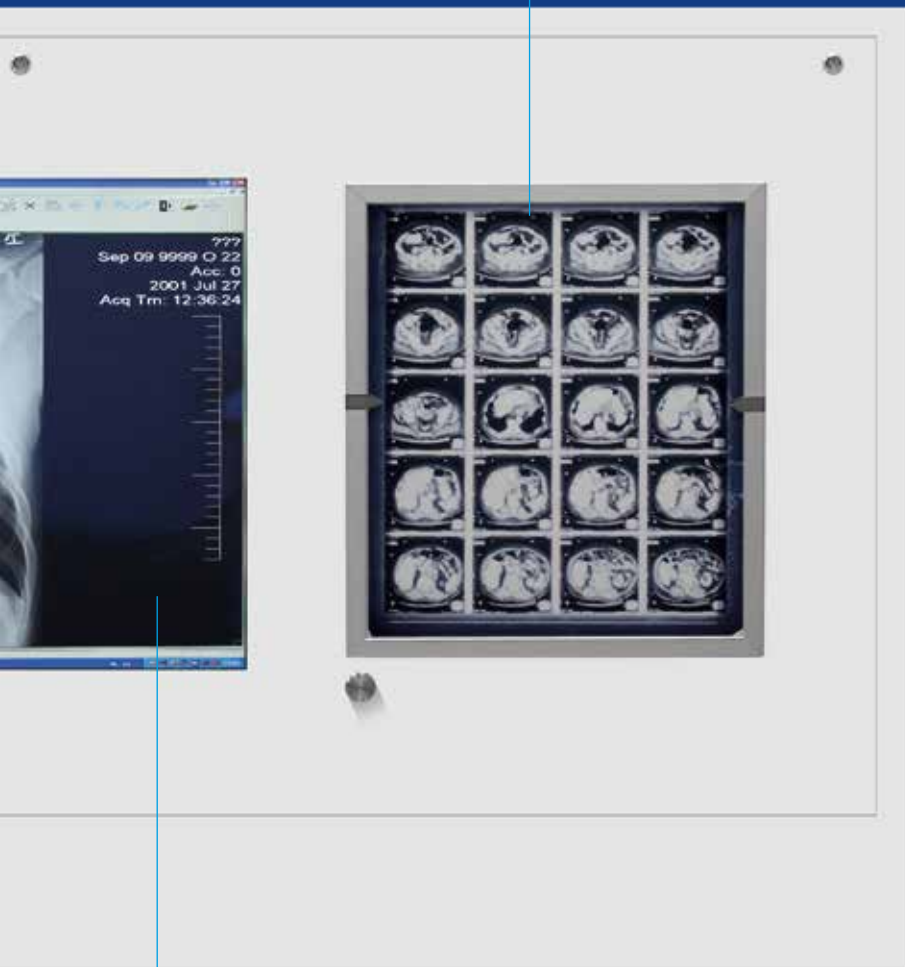
**CD/DVD drive for the
recessed version**



**Reliable and safe
mechanism of
keyboard folding**



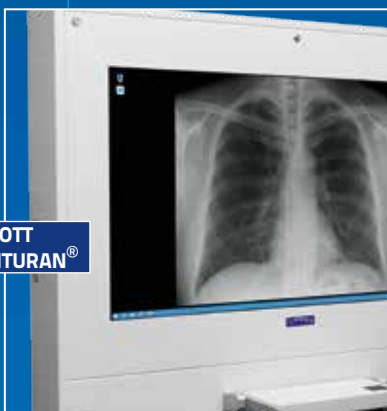
High-grade X-ray film viewer made in LED technology, single or double frame, excellent parameters: luminance 6000 cd / m², superior light uniformity > 90%, adjustable light intensity 10-100%. Optional LED X-ray film viewer with shutters



Built-in version



Wall mounted or desktop version



Glass with anti-reflective coating




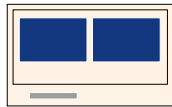

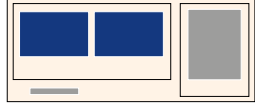



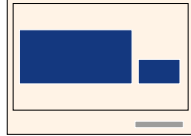
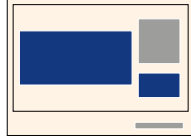
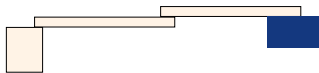
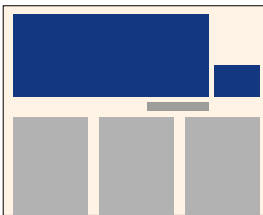
Ordinary glass

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



On mobile stand version

EXAMPLES OF DICO® STATION CONFIGURATION (PACS, RIS, HIS)

DICO 1M	1 monitor 21" 24" 27"		
DICO 2M	2 monitors 21" 24" 27"		<p>PC computer system:</p> <ul style="list-style-type: none"> Intel mainboard; i3/i5/i7 processor RAM 4GB/8GB/16GB 500 GB HDD LAN 10/100/1000 MBit socket protected against flooding graphic card – professional, for high accuracy of the image reproduction DVD+/-RW LightScribe WINDOWS 7® PRO <p>LED X-ray film viewer</p> <ul style="list-style-type: none"> LED technology – 50 000 working hours high luminance – 6 000 cd/m2 (19 000 lux) superior light uniformity > 95% step-less luminance adjustment from 10% to 100% automatic screen illumination ON/OFF switch in film holder – optional no light flickering
DICO 1M/1B	1 monitor 21"; 24"; 27" LED X-ray film viewer single		
DICO 2M/1B	2 monitors 21"; 24"; 27" LED X-ray film viewer single		
DICO 1M/2B	1 monitor 21"; 24"; 27" LED X-ray film viewer double		
DICO 2M/2B	2 monitors 21"; 24"; 27" LED X-ray film viewer double		
DICO 1M	1 monitor 40" – 70"		
DICO 2M	1 monitor 40" or 46" 1 monitor 21" or 24"		
DICO 2M/1B	1 monitor 40" or 46" 1 monitor 21" or 24" LED X-ray film viewer single		
R - Additional monitor on the straight-line arm	1 monitor 19"-24"		Shows the image "cloned" from the main monitor of the DiCO® station (optionally – touch screen)
DICO 2M (60"/17")	1 touch screen control monitor 1 monitor 60" 1 touch screen control monitor 17"		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 touch-screen control monitor.



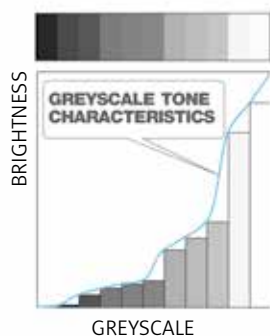
ASEPTIC ANALOG AND DIGITAL IMAGES VIEWING STATIONS

- Complete medical computer with reference monitor.
- Monitors protected by SCHOTT CONTURAN DARO glass with antiglare coating, 8-fold reduction of reflected rays.
- Foldable, washable, silicone keyboard with optional medical mouse tray.
- Intended for use in operating theaters, treatment rooms (easy to clean and disinfect)
- Make it possible to view medical images downloaded from the LAN network, DVD drive, USB ports and other data storage devices.
- LED X-ray film viewer, single or double, option with shutters, constitutes an analogue part of the station.
- Possibility to expand the station in the future and adapt it to changing technical requirements (processor, memory, HDD, etc.)
- Configuration matched to client/user requirements:
 - monitors with a diagonal from 21 ' to 70"
 - number of monitors
 - type and position of the keyboard
 - housing type and color: powder coating, sheet steel, glass (RAL colors)
 - LED X-ray film viewer with / without shutters
 - other functions – recording, images from cameras, signals routing, voice communication, clock, access card reader, additional video inputs
 - touch screen multi touch
- Wall mounted, built in or on mobile stand versions available.

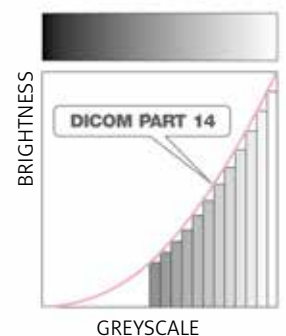
THE REFERENCE MEDICAL DISPLAYS ARE USED IN DICO® VIEWING STATIONS. THE MONITORS ARE EQUIPPED WITH HARDWARE CALIBRATION TO DICOM STANDARD, FACTORY IMPLEMENTED BY THEIR MANUFACTURER.

THE IMAGE ON THE STANDARD MONITOR

THE IMAGE ON THE REFERENCE MONITOR



Used by some manufacturers, the DICOM software calibration of standard monitors with a computer graphic card, although cheaper, causes a loss of a significant amount of information contained in the DICOM file, and consequently significant deterioration in medical image quality.



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 system in operating room during and after surgical procedures.

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

The station is equipped with a computer system min. Intel i3 (processor i5, i7), powerful graphics card and a medical silicone keyboard with touchpad and medical mouse tray. Monitor of the nurses' station is calibrated to the DICOM Part.14 standard grayscale allowing to view X-ray images. Screen size: 21", 24" or 40". Operating system Windows. Version with touch screen available on request. Mounting versions: wall mounted, built in, or on mobile stand.

DiCO 1M (24")



- USB – 2 sockets
- DVD drive
- Access cards reader – on request
- Housing – INOX steel, powder coated, glass
- Washable, foldable keyboard improves comfort of work



DiCO 1M (40")

Provincial Hospital in Zielona Góra

DiCO 2M (60"/21")

EIZO 60" 8M PX

HDMI

HDSDI

VGA

DVI

2x USB

WASHABLE KEYBOARD

TOUCH SCREEN CONTROL MONITOR 21"

CD/DVD

LAN, PASC, HIS, RIS

RADIOLOGY

VIDEO RECORDING

COMMUNICATION

SYSTEMS FOR VIDEO RECORDING AND COMMUNICATION IN OPERATING ROOMS

Multimedia video recording system is a fully integrated multiplatform solution software-hardware station, using DiCO® viewing station cooperating with hospital informatics systems. It is also an intuitive application package for the video recording Full HD or SD. The system also allows to create operational reports and remote two-way audio/video communication. Audio/video communication significantly improves quality of work in the operating room by giving the possibility for consultation.

ULTRAVIOL OFFERS ALSO LARGE MEDICAL MONITORS FOR OPERATING ROOMS.

AVAILABLE SCREEN DIAGONALS:
24", 40", 42", 46", 47", 55", 60", 70"



INSTALLATION DIRECTLY TO THE WALL OR ON THE FOLDING HANDLES.

APPLICATION OF DICO® VIEWING STATIONS IN HOSPITAL – EXAMPLES

INSTALLATIONS



DiCO 1M (40")

The Provincial Hospital in Toruń



DiCO 1M (47") na statywie

The Cancer Centre in Poznań



DiCO 1M (40")

The ENEL-MED Hospital in Warsaw



DiCO 1M (47")

Monitor 47"

The University Hospital in Olsztyn



DiCO 2M/R (47"/21"/21")

The J. Dietl Specialist Hospital in Cracow



DiCO 1M (21") LED NGP 101

DiCO 1M (40")

The Provincial Hospital in Elbląg



DiCO 1M (21")/2B Analog X-ray film viewer 80x40cm

The Central Clinical Hospital of the Ministry of Interior in Warsaw



DiCO 1M (46") i NGP 201WS

CUMRIK The University Hospital in Cracow

INSTALLATIONS



DICO 1M (40")

The S. Leszczyński Hospital in Katowice



DICO 1M (24")

The Korczak Hospital in Lodz



DICO 2M (2x21")/1B

The Central Clinical Hospital of the Ministry of Interior in Warsaw



DICO 2M (2x27")

The Hospital in Stalowa Wola



DICO 1M (21")/1B

The Provincial Hospital in Suwałki



DICO 2M (40"/24") and monitor on the straight-line arm suspension

The Regional Hospital in Szczecin



DICO 1M (40")

The W. Bieganski Hospital in Lodz



DICO 1M (40")

The 109 Military Hospital in Szczecin



ULTRAVIOL® Sp. j. PIETRAS, PURGAŁ, WÓJCIK

ul. 34 Stępowizna, 95-100 Zgierz, Poland

tel.: (+48 42) 717 11 76, 717 19 59, 715 00 92, fax: (+48 42) 715 02 16, NIP: PL7270021903

e-mail: biuro@ultraviol.pl www.ultraviol.pl www.ultraviolsklep.pl