

Diagnosis Station - Operation Room

Vers. 302.04.07



Wherever a hygienic and easy to disinfect Review Station is needed VEPROs Operating Room Station is the answer. The Diagnosis Station is water resistant (IP65), has a 17" TFT Color Touch Screen monitor and a passive cooling system without a fan. Made for sensitive areas this unit is the right choice for displaying images, films and text documents.

Mounted on wall, trolley or bracket stand together with a special power supply EN 60601, this unit is the most secure, professional solution in a sensitive environment.

The Operating Room station meets the requirements of the OR according to EN60601-1 and EN60601-1-2 : sterility, particle poverty, prevention of recontamination, toxicologic harmlessness at 100%.

Query Retrieval

- Search in multiple archives, trays or presentation worklists
- Searching Patient information with 25 keywords
- Search profiles with multiple keywords or predefined filters with immediate search results
- HIS, RIS, CIS provided search profiles allow direct link of both systems and retrieval of images etc. direct from the sub-system (master/slave mode)
- Icon (Thumbnail picture) preview together with complete study description
- Different user rights can be granted for archive access
- Access rights synchronized with rights of HIS/RIS/CIS
- Auto-Log Off if system is not used in a definable time period

Display

- Support of Landscape or Portrait Color Monitors with resolutions up to 1280 x 1024 pixel
- Displays all Images, Films, Text and Sound information of each modality from radiology, cardiology, endoscopy, microscopy etc.
- Multiple independent window display in definable frames

Processing

A powerful set of tools for image and film processing is available to provide more information of the high dynamic grey or color images. Processing parameters are stored in addition to the raw data, so that switches between original image and processed image can be made easily. Snapshots of processed images can be stored additionally in same study or series.

- Zoom, Contrast, Brightness
- Auto Contrast, Auto ROI Contrast
- Window Level – 16 Bit
- Measurement: Hounsfield, Distance, Angles, Circumferences, Areas, Calibration
- Annotation: Text, Arrows
- Cine-Loop – 1-100 fps display speed
- Rotation, Mirroring
- Color conversion (NUC)
- Look-Up Tables

Optional:

- LVA – Left Ventricular Analysis
- QCA – Quantitative Corona Analysis
- DSA – Digital Subtraction Angiography
- MIP – Maximum Intensity Projection
- MPR – Multi Planar Reconstruction, 3D Surface rendering

Presentation Worklist

- Support of multiple presentation worklists for single users or presentation groups
- Hanging Protocols automated or manually

Import/Export

- All direct import of graphical, text or sound data in various formats converted to full DICOM data
- Export of archived DICOM data in each file format like: BMP, JPG, GIF, AVI, PCX, PNG etc. on DISK, CD or DVD

OUTPUT Print/CD

- DICOM & WINDOWS Printer support - configurable print layout and frames
- DICOM CD with single or multiple patient studies with license free DICOM Viewer on each CD

Telecommunication

- Encrypted transmission of images, films and medical reports by using: Internet, E-Mail, Modem, ISDN, DSL, LAN etc.
- Free of charge for receiver: Telecommunication and DICOM Viewing software for easy creation of communication network

DICOM Support

- DICOM WORKLIST (SCU)
- *Optional:*
- DICOM STORAGE (SCU/SCP)
- DICOM STORAGE COMMITMENT (SCP)
- DICOM MPPS (SCP)
- DICOM PRINT (SCU)
- DICOM QUERY/RETRIEVE (SCP)

Hardware/Operating System

- High End PC 1,1 GHz, 17" TFT Color; Network interface 10, 100 Mbit; Ultra-Silent Case
- WINDOWS XP Professional