

Diagnosis Station – Multi Modality

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VEPROs Diagnosis Stations are the perfect platform for filmless diagnosis, displaying every type of image, film, or text, even recording and playing sound clips. Scalable with up to 8 monitors in several resolutions, Color or B/W, this station offers all needs for a high end professional image display and processing.

Query Retrieval

- Search in multiple archives, trays or presentation worklists with up to 25 different 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 subsystem (master/slave mode)
- Icon (Thumbnail picture) preview together with complete study description
- Different user rights can be granted for archive access – with password, fingerprint or smart card identification
- 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 and B/W Monitors with resolutions up to 2560 x 2048 pixel
- Multi Monitor support with up to 8 Monitors simultaneously – with or without separate control monitor
- 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-Leveling – 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
- Selection of presentation monitor or projector
- Supports up to 4 Video Displays or projectors

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 3,2 GHz, 17" TFT Color Display (Standard) (up to 22" TFT Monitors B/W or Color in several resolutions); Dual Network interface 10, 100, 1000 Mbit; Ultra-Silent Case, lockable
- WINDOWS XP Professional