



## RADiON

the DICOM workstation

Version 2.5

### FEATURE SHEET

#### STUDY MANAGER:

- Sort based on patient parameters
- Split a study/series **NEW**
- Merge studies/series **NEW**
- Send selected studies from the local database to remote node
- Display of reporting status for studies in the local database
- Identification of archived studies (offline) from the local archive **NEW**
- Instantly prepare report for selected study
- One click CD/DVD creation with multiple study selection

#### QUERY/RETRIEVE FUNCTIONS:

- Query from multiple servers or local archive
- Download selected studies in the background from a remote node to the local archive **NEW**
- Load DICOM and DICOM DIR files stored locally
- Predefined filters for easy access to required studies. Eg: All CR studies today, All Female Ultrasound studies, etc.
- Advanced search options based on name, ID, study range, modality etc.

#### IMAGING FUNCTIONS:

##### IMAGE DISPLAY FUNCTIONS:

- Drag and drop series for display of images
- Multiple viewing matrixes for comparison of multiple image series
- Series synchronization **NEW**
- Thumbnail preview for image series
- Display of scout lines
- Key images **NEW**
- View DICOM tags



- Select DICOM attributes that need to be displayed in the DICOM images
- Display images in ascending or descending order for ct/mr series
- Define image layout and overlay parameters based on modality
- Differentiation of single frame images and multi frame images display based on border thickness

## ANNOTATION AND MEASUREMENT TOOLS:

- Annotation tools include line, arrow, rectangle, ellipse, text and free hand drawing.
- Linear and angular measurements



## EXPORT FUNCTIONS:

- Export images as JPG, BMP, DICOM files or to PPT
- Save images in series as AVI file with compression

## MULTI MONITOR SUPPORT AND HANGING PROTOCOL:

- Supports upto 6 monitors
- Configurable hanging protocol **NEW**
- Screen and viewport configuration **NEW**



## IMAGE PROCESSING FUNCTIONS:

- Window level – manual and presets mode
- Zoom, pan, flip, rotate, invert image, ROI zoom
- Image sharpness and enhancement tool
- Image stitching **NEW**
- Digital subtraction angiography (DSA) **NEW**
- Image histogram
- Hounsfield value for CT images
- Hide/show DICOM overlays
- Customizable toolbar based on modality
- Save the presentation states
- Video processing tools

## DICOM PRINT COMPOSER:

- Configure multiple DICOM printers
- Highly customizable image layout to include images from multiple patients
- Image processing tools in print composer include zoom, pan, window level & shutter
- Select film size and orientation (portrait or landscape)

## REPORTING FUNCTIONS:

- User defined customizable report templates
- Multiple report templates for each study
- Categorize reports based on study type **NEW**
- Multiple Versions of Reports for each study **NEW**
- Make reporting notes **NEW**
- Finalization of report to prevent further changes being made to it.
- Customizable report header to include center name, logo, address, etc.
- Print images using pre-defined layouts through Windows based printers.

## CD/DVD WRITING FUNCTION:

- Burn CD/DVD with embedded viewer
- Burn multi patient CD/DVD
- Embedded viewer includes essential image processing tools
- Burn CD/DVD using Rimage or Primera or local CD/DVD writer (Optional)

## DICOM ROUTER FUNCTIONS:

- Facility to route studies to different nodes based pre-defined rules
- Create rule condition for receiving images based on AE title, IP address, modality, duration, DICOM attribute, etc.

## STORE MANAGEMENT

- Apply compression at the time of receiving images based on modality – JPEG 2000, Jpeg lossless, JPEG lossy, etc.
- Facility to set modality based storage settings
- Facility to set the path for the volume and set it as a default volume
- Backup module **NEW**
- Schedule backup (archive and database) **NEW**

## ADMINISTRATION MODULE:

- Configure AE title and port number for store server and query server.
- Create multiple users with different access rights (Doctor or Technician)
- Housekeeping module **NEW**
- Backup of Configuration settings **NEW**

## DICOM FUNCTIONS:

- DICOM operations supported include C-Echo, C-Get, C-Move, C-Find, C-Store
- Supports commonly used SOP classes

### System Requirements

- Hardware Requirements:
- SQL database
- Pentium IV 2.8 GHz
- 1 GB RAM
- Network adapter
- 40GB of free Hard Disk space for software installation
- CD/DVD-RW Drive
- Standard network connection to DICOM nodes

### Operating system Requirements:

- Windows XP Professional SP2
- Windows Vista compatible



### CORPORATE OFFICE

ASHVA TECHNOLOGIES PVT. LTD.

#15, ARK Colony,  
'Urmilla House', - 1st Floor, Eldams Road, Alwarpet,  
Chennai - 600 018. India.  
Tel : 91 - 44 - 4208 8867 / 76, Fax : 91- 44 - 42088897

ASHVA TECHNOLOGIES LTD.  
505 Hwy 169 N,  
Waterford Park, Suite 300,  
Plymouth, MN 55441, U.S.A  
Tel: 763 746 9223  
Fax: 763 746 9224  
Email: marketing@ashvatech.com

### ASHVA TECHNOLOGIES.

Sdn. Bhd. (742382-M)  
No. 104 A, Jalan SS 24/2,  
Taman Megah, 47301 Petaling Jaya,  
Selangor Darul Ehsan, Malaysia.  
H/P: (6017) 2340805

[www.ashva.com](http://www.ashva.com)