



# RADIN.web

## RADIN.web

is the addition to RADIN.online and RADIN.archive for web-based image communication.

Standardised internet technology provides access from inside and outside of an institution. A sophisticated security concept offers data encryption as well as management of users and user groups.

## Key Features

- Scalable server architecture
- High performance and high availability with cluster solutions
- Up to 500 concurrent users
- Integrated access to the RADIN-archive
- Web-based remote administration
- Standard Microsoft technology
- Powerful SQL database
- Configurable data compression

## Security Features

- User authentication
- Secure data transmission (SSL encryption)
- Access control via user groups
- Configurable user permissions
- VPN support
- Audit trails for all relevant actions

## Server Features

- User management
- Group management
- User levels (program functionality)
- Configurable image text
- Two independent compression levels
- Lossless/lossy JPEG compression
- Wavelet compression
- Auto delete of old data
- Message logging

## Workflow Features

- DICOM report interface
- File based report interface
- URL interface for OEM integration
- Creation of patient media (CD, DVD) with viewing application
- Auto report query from RIS/HIS systems

## Hardware and Software Requirements

RADIN.web is an additional option for RADIN.online server. For cluster solutions special server configurations are available.

## New Features

- 3D reconstruction with MIP and MPR support





# RADIN.classic / RADIN.expert clients

## Key Features

- Completely web-based system
- Direct access to RADIN.archive without DICOM query/retrieve
- Convenient user interface
- Full DICOM images on clients (no JPEG's or TIFF's), all information available
- Outstanding cine performance
- Supports Radiology and Cardiology
- Display of scout lines (RADIN.expert)
- Synchronous ECG display with cardio images
- Dual monitor support (RADIN.expert)
- Standard PC's and Microsoft operating systems
- No software installation, just Internet Explorer needed
- User interface in 6 languages

- Grayscale inversion
- Measurement (distance, angle, probe)
- Manual distance calibration
- Cine mode with variable speed
- Manual cine with mouse movement
- Bouncing cine loops
- Original size and segment adjusted
- Rotation and flipping
- Display/hide image text
- Gamma adjustment (RADIN.expert)
- Display DICOM header information
- Handling over context menu
- Display of overlays and shutters
- Comparison scale for CT/MR images
- Test image for monitor adjustment
- Study/series comparison
- Windows copy and print functions
- Colour maps for grey scale images

- Easy integration with RIS/HIS systems via URL to patient study/series
- Creation of patient media (CD, DVD) on RADIN server with integrated viewer
- Image export on client (RADIN.expert)

## Hardware and Software Requirements

- Pentium III, at least 500 MHz (Pentium IV, 2 GHz recommended)
- 128 MB RAM memory (512 MB recommended)
- Standard PC graphic cards
- Minimum graphic resolution 1024x768, True Color
- Network or telephone adapter
- Harddisk capacity at least 2 GB
- Microsoft Windows NT 4.0, 2000, 98 or XP operating system
- Internet Explorer Version 5.5, or 6

## Security Features

- User authentication
- Secure data transmission (SSL encryption)
- Access control via user groups
- Configurable user permissions
- Expiring passwords
- VPN support
- Audit trails for all relevant actions

## Workflow features

- Roaming user profiles
- Auto logoff after inactivity
- Multiple filters for patient search (name, ID, comment, day of birth, etc.)
- Time, modality and physician filters
- Reset filter settings
- User defined filters
- DICOM query/retrieve from archives and workstations
- Find local patient in archive
- Change user and group assignment of patients
- Delete patients and studies
- Delete protection for patients and reports
- Next/previous patient in study view
- Multiple series loading
- Compression type selection for image loading
- Preloading of images for the client
- Study availability status (RADIN.online and RADIN.archive)
- Display of images together with reports

## Viewing Features

- Supports CR, CT, DR, DS, DX, ES, GM, IO, MG, MVL, SK, XA modalities
- Supports color and greyscale images
- Supports single and multiframe images
- Zoom, Quick zoom and Magnifying glass
- Pan
- Window levelling with presets and reset
- Edge enhancement

