

iQ-VIEW
VERSION 4.0



THE RADIOLOGY
READING SOFTWARE



CE 0482



Component of
iQ-SYSTEM PACS



RADIOLOGY READING AT YOUR FINGERTIPS

The key factor for physicians who frequently read medical imaging studies is selecting the appropriate reading station. The perfect reading station needs to be user-friendly and provide the highest level of functionality. iQ-VIEW fulfills both of these requirements since it has been designed by radiologists for imaging specialists.



BASIC AND PRO

The software is available in two editions. The BASIC edition – iQ-VIEW – was developed to meet the reading and review needs of all physicians, including orthopedic surgeons, chiropractors and internists, while iQ-VIEW PRO is optimized for radiologists.



QUICK AND EASY

iQ-VIEW offers quick and intuitive access to tools for highest efficiency. All image processing tools can be selected via buttons, menu items or keyboard shortcuts. A configurable toolbar in the viewer facilitates the easy selection of functionalities needed for image processing. The most relevant buttons can simply be set up in the user's own default toolbar.



PREVIOUS STUDIES

iQ-VIEW PRO provides a unique automatic previous studies management, which helps the radiologist save time by searching for relevant previous studies of a patient and loading them automatically into the viewer. Through matching similar patient names in addition to searching for the same patient ID, the number of missed relevant priors is reduced significantly.



IMPORT

iQ-VIEW can function as an image acquisition station by importing images from scanners, directories and portable media, including options for patient reconciliation offered in the PRO version. It is also possible to attach scanned documents to an already existing study.



EXPORT

The software can further be used as an exporting station by writing imaging data and reports to CDs, DVDs or memory sticks, by printing on Windows® laser printers or DICOM medical imagers (including true-size DICOM printing), or by emailing any study to a colleague (even in diagnostic quality).



REPORT

iQ-VIEW includes a tool for structured reporting, typing or optional speech recognition for text entry. Reports can be signed by one or two reading physicians, attached to the study as a DICOM SR and automatically stored on the PACS. Many PACS can convert them to PDF for printing or HL7 for digital communication.



HANGING PROTOCOLS

The PRO edition includes further a hanging protocol tool, allowing the creation of individually customizable hanging protocols. As a result, studies and images can be loaded automatically as physicians wish to read them. Hanging protocol sequences offer the possibility to easily switch between different formats for the same study. It is furthermore possible to set up modality-specific toolbars.



FLEXIBLE INTEGRATION

iQ-VIEW can be integrated into virtually any RIS, EMR or HIS available on today's market. It interfaces with any DICOM post-processing tools (e.g. advanced 3D post-processing) via DICOM communication and with many non-DICOM post-processing tools via the integrated post-processing button (e.g. post-processing or proprietary image analysis tools).



TELERADIOLOGY? NO PROBLEM

iQ-VIEW is ideal for teleradiology. It can simultaneously query multiple DICOM archives or receive data from an unlimited number of DICOM nodes. The viewer can separate/filter studies by institution. Alternatively, secure DICOM email can be used to transfer images in diagnostic or JPEG quality.



LICENSING OPTIONS

Depending on your needs, iQ-VIEW is available either with a single or a concurrent license. A single license is bound to the computer on which the application is installed. Concurrent licensing (i.e. floating licensing or network licensing) is an alternative licensing model allowing to use a specified number of workstations installed within a network at the same time without having to license each application individually.



CERTIFIED QUALITY STANDARDS

Of course, iQ-VIEW as a component of iQ-SYSTEM PACS is CE and FDA 510(k) certified and complies with the DICOM and IHE standards. The application is compatible with virtually all medical imaging DICOM devices on the market, regardless of the manufacturer.

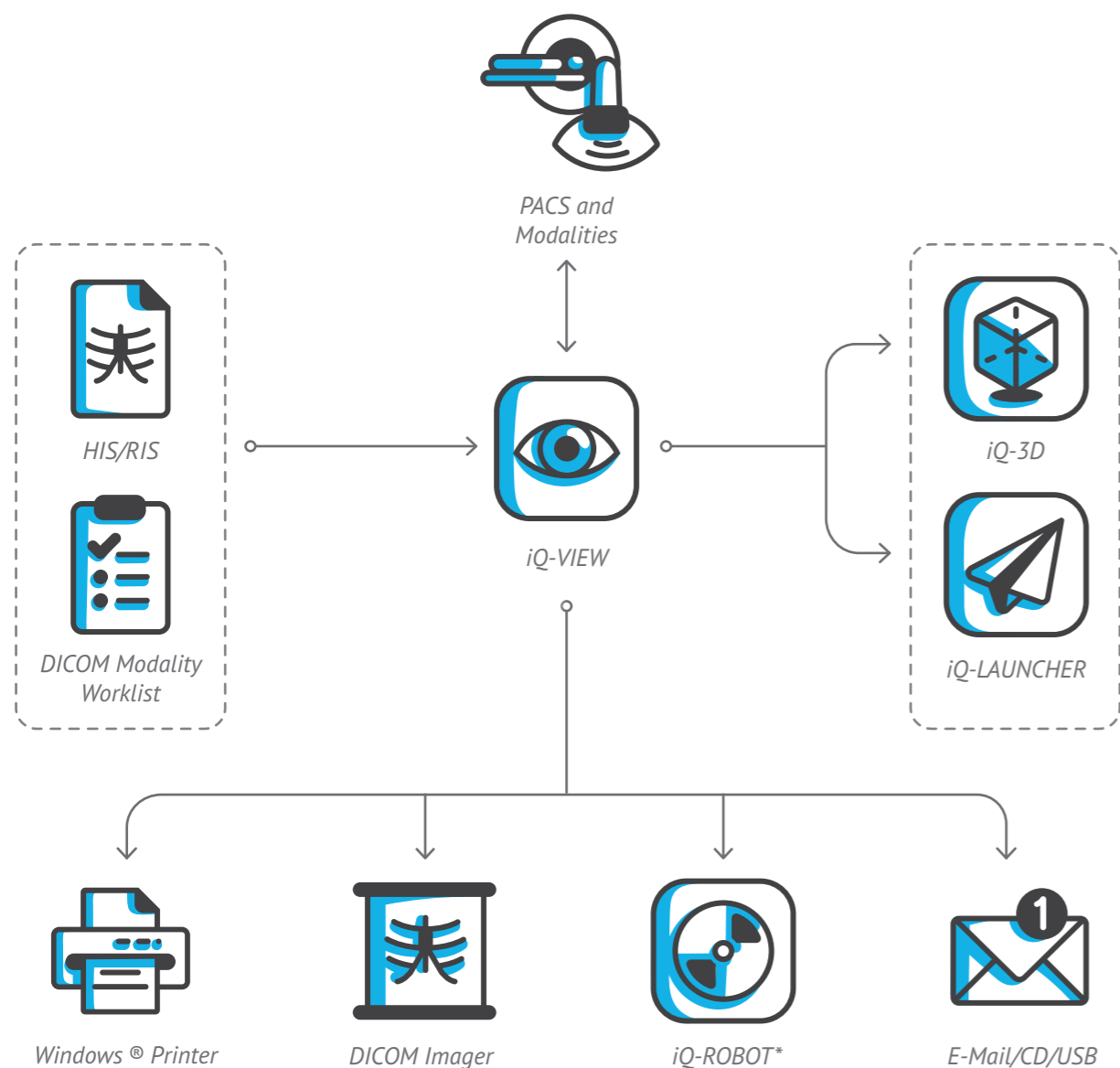


RELIABLE SERVICE WORLDWIDE

Continuous improvements to the software, combined with intensive testing in IMAGE Information Systems' quality assurance labs, guarantee that iQ-VIEW's high level of stability is maintained at all times. Low maintenance costs assure a quick return on investment. IMAGE's global network of manufacturer-trained service engineers ensures that guidance and support is just around the corner.

RADIOLOGISTS' WORKFLOW FOR IMAGING SPECIALISTS

iQ-VIEW ¹ places you, the reading physician, at the heart of all diagnostic processes. Receive studies from all modalities or a PACS in your reading software, be connected with your colleagues and referring physicians via DICOM or DICOM email or easily run iQ-VIEW integrated with your HIS or RIS. You can even use specialty tools closely interfaced with your viewer, like for 3D post-processing.

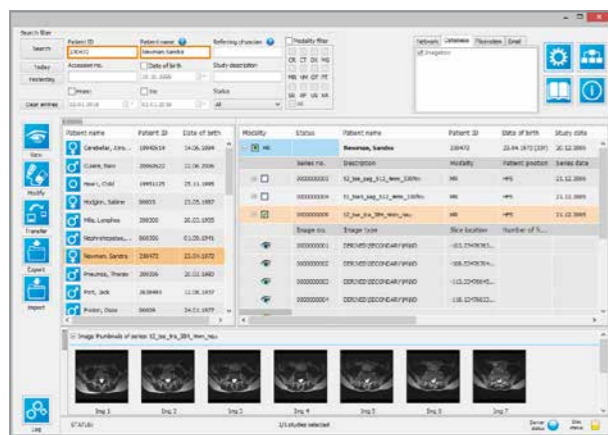


* iQ-ROBOT must not be sold or used in the United Kingdom.



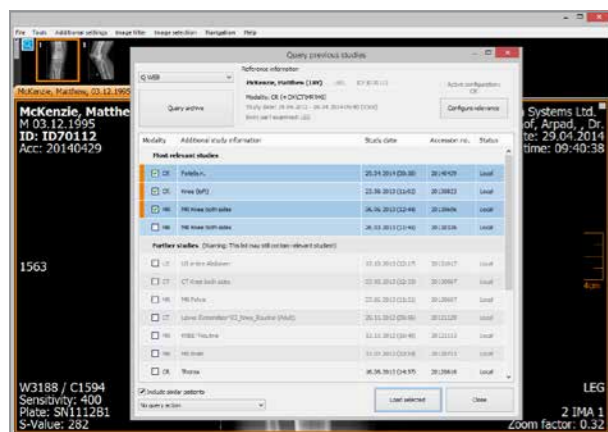
1 iQ-VIEW is a component of iQ-SYSTEM PACS
 – a picture archiving and communication system (PACS) for the management, retention, routing, analysis and review of medical images stored in proper DICOM format and a system of interrelated software components. The other components are iQ-WEB, iQ-4VIEW and iQ-ROUTER. Every component in this system is responsible for performing its specific tasks. The components can be used all together and in various combinations. The full scope of functionality of iQ-SYSTEM PACS is reached when integrating all components into the imaging network.

iQ-VIEW IN A NUTSHELL



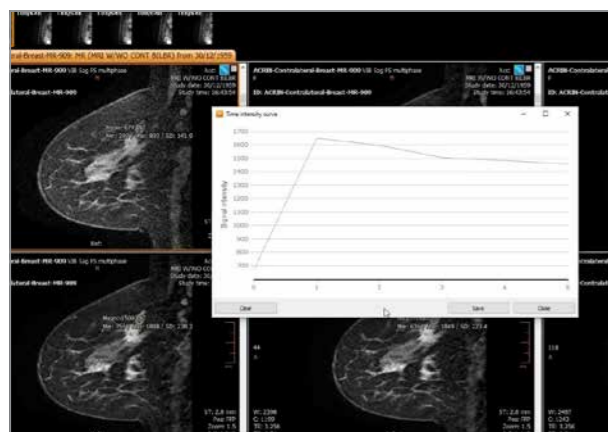
STUDY BROWSER

The study browser provides a clear overview of all imaging data, including structured reports. It shows the number of files in each study/series, helping to plan and prioritize work. Lists can be sorted by study or by patient and even large data volumes can be handled by the powerful SQLite database in a short time. iQ-VIEW 4.0 offers enormous time savings, with 2 to 3.5 times faster query/retrieve of large image data such as CT/MRI from a remote DICOM archive, and approximately 2 times faster local database queries.



STUDY MANAGEMENT

iQ-VIEW PRO searches for relevant previous studies of a patient and loads them automatically into the viewer for study comparison. The search can even be extended to include similar spellings or typing errors in patient names to automatically include different patient identities.



MULTIPHASE MANAGEMENT

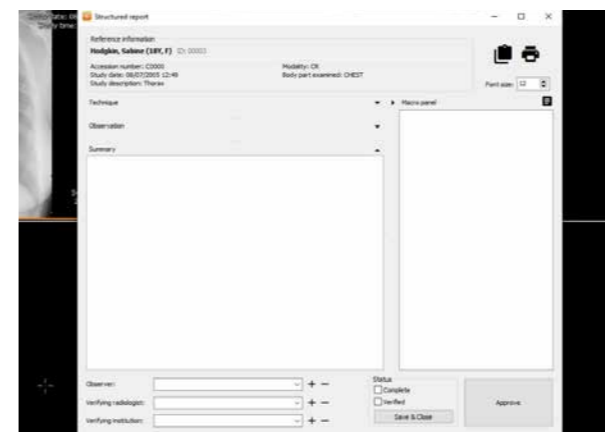
iQ-VIEW PRO includes an option to properly display multiphase studies with auto-splitting (to easily switch and compare the different phases) and time intensity curve (e.g. for liver, kidney, vessel, breast and brain MRI).

Foto: Kinahan, P., Muzi, M., Bialecki, B., Herman, B., & Coombs, L. (2021). ACIN-Contralateral-Breast-MR (ACIN 6667) [Data set]. The Cancer Imaging Archive. <https://doi.org/10.7937/Q1EE-J082>



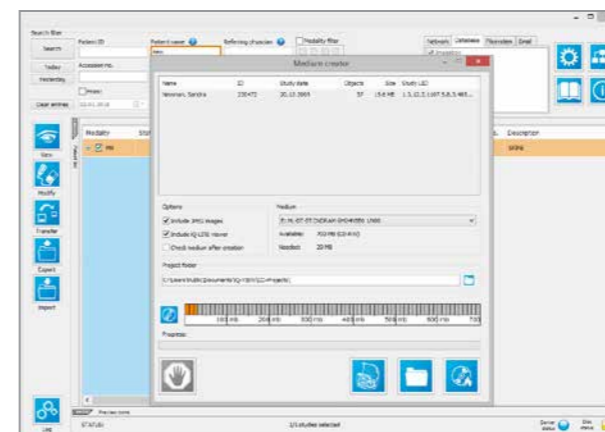
IMAGE PROCESSING TOOLS

All image processing tools can be accessed either by selecting buttons or menu items, or by using shortcuts. For an easy orientation within a series, the user-friendly viewer offers several scoutplot tools, such as the lines mode and the 3D position display.



STRUCTURED REPORTING

Structured reporting in a DICOM viewer improves efficiency, accuracy and communication in radiology. The "Save" and "Approve" buttons simplify the reporting process, allowing reviewers to save or approve reports with a single click. This feature also helps track unapproved reports and quickly send approved reports to the PACS.



EXPORT

Single and multiple studies and series can be exported to a CD, DVD or USB memory stick, all containing an iQ-LITE media viewer. Exporting to DICOM email, to directories and different file formats is also possible. The iQ-LITE viewer is even a fully functional radiology viewer (excluding DICOM communication).

WORKFLOW AND TECHNICAL FEATURES*



GENERAL

- 64-bit application offers powerful features for managing studies of any size and can display images at up to 500 megapixel resolution (e.g. for pathology) **NEW**
- Support of DICOM datasets with specific character sets other than ISO_IR100 (incl. Unicode; see DICOM conformance statement for further details)
- Scalable font size and buttons to adapt to the display resolution
- Multimonitor support
- Visual styles to create a more comfortable working experience, especially in reading room conditions



IMPORT

- Optimized teleradiology: Send only new images created from import dialog **NEW**
- Patient CD/DVD/USB import
- TWAIN interface (scanner, CR reader system, camera etc.)
- Image file import (BMP, JPEG, TIFF, RAW)
- Drop box interface



STUDY BROWSER

- 2 to 3.5 times faster query or reception of large image data (like CT/MRI) from a remote DICOM archive due to new local SQLite database **NEW**
- Local database searches approximately 2 times faster **NEW**
- Easier quality control: Study Browser shows number of files per series/study (primarily the number of images) **NEW**
- Better multisite management: Direct filtering for institution name **NEW**
- Study table
- Virtual patient list and thumbnail preview
- Display of patient age in addition to date of birth



VIEWER

- Image processing (incl. comparison of multiple studies and image filters, synchronization/desynchronization of series)
- Speedy zooming, panning, cine mode and windowing
- Additional zoom presets 1/3 and 1/2
- Faster reading through improved functions
 - 3 times larger image cache for improved image processing of large studies (e.g. real-time image magnification) **NEW**
 - Proper display of multiphase studies with auto-splitting and time intensity curve **NEW**
 - Switch from network to database tab about 2 times faster **NEW**
 - Right-click context menu for quick access to frequently used processing functions
 - Enhanced "Magnifier" tool with real 16-bit interpolation and zoom factor presets
 - Easily synchronize cranio-caudal acquired series with caudo-cranial series without manual preparations
 - Possibility to reset "Windowing" changes
 - "Cine mode" combined with "Bind mode"
- Measurements (incl. distance, angle, Cobb angle, hip dysplasia angle, ROI, ratio, and modify/delete options)
- Basic annotation of images (incl. Secondary Capture image creation)
- Thumbnail selection for series preview (image from the middle of the series is shown to better present the content of the series)
- Mouse cursors available in different sizes
- DICOM presentation states
- Configurable scoutlines to display plane projections/plane intersections
- Support of look-up tables, bitmap overlays and DICOM shutter sequences



REPORTING

- Lightbox window* (white screen) for easy comparison of digital medical images with images on film
- Configurable bottom toolbar and creation of viewer shortcuts
- Open tomosynthesis studies
- Structured reporting with read/write/edit support of basic SR objects
- Display other SR formats
- Improved report editor (patient information displayed, folding panels, error-minimizing improvements) **NEW**



EXPORT

- Image export option in full spatial resolution **NEW**
- Patient CD/DVD/USB
- Integration of direct interface to iQ-ROBOT
- DICOM email and JPEG images by email
- Image export to image file or AVI video file** (including measurements, windowing, color remapping, annotations and more)
- Stable processing of very large studies by supporting modern 64-bit email clients for sending DICOM emails, e.g. Outlook (Microsoft 365) **NEW**



LANGUAGES

- Albanian, Bulgarian, Chinese, Czech, Dutch, English, Estonian, Finnish, French, German, Italian, Japanese, Korean, Latvian, Polish, Portuguese, Russian, Spanish, Ukrainian, other by request



PRINTING

- Vendor neutral DICOM printing including true-size (1:1)



ADD-ONS

- Optional automated creation of radiology reports from SR to PDF via iQ-SR2PDF CONVERTER **NEW**
- Optional integration of 3rd party image 3D (post)processing or image analysis tools iQ-3D (by manual installation), iQ-LAUNCHER



CERTIFICATION

- iQ-SYSTEM PACS (incl. iQ-VIEW) is registered according to:
 - MDR (EU) 2017/745, class IIb (v1; iQ-VIEW UDI-DI (EEA): +B403IQVIEW400U)
 - FDA 510(k), class II (version 1.9; UDI-DI: +B403IQS190C)



COMMUNICATION

- DICOM Query/Retrieve, C-FIND, C-STORE, DICOM print client and DICOM email
- Server administration tool
- HIS/RIS interface (accession number or GDT/BDT) (others on request)
- Command line call via patient ID **NEW**



LICENSING

- Single (PC-based) or concurrent (floating user) licenses
- New license library (from v3.1.101) for a more consistent operation and central management of concurrent iQ-VIEW (and iQ-ROUTER, iQ-ROBOT, DICOMReader) licenses **NEW**

* Detailed information on iQ-VIEW's system requirements is available in the iQ-SYSTEM PACS Hardware Purchasing Guide or the iQ-VIEW Administration Guide, various AI options available by request

* Only permitted for diagnostic use if legal requirements are met. Ask your local dealer for details.
** Depending on local configuration

iQ-VIEW PRO ADDITIONAL FEATURES*



VIEWER

- Customizable automatic previous study management
- Finding previous studies by matching similar patient names
- Hanging Protocols (incl. HP sequences and modality-specific toolbars)
- Further measurements: Perpendicular distance, point-to-line distance (e.g. to assess the lumbar vertebral rotation), polygonal ROI, interior angle (e.g. to easily measure the distal radiometacarpal joint angle, the radial inclination or many more important clinical values)
- Individual management of multiphase/multi-sequence series incl. time intensity curves (e.g. for liver, kidney, vessel, breast and brain MRI) **NEW**
- Copy of measurements to other images for 3D measurements, e.g. TTTG
- Dynamic magnifier window for seamless image zooming
- Annotation of images (incl. storing and sending as presentation states)
- Color schemes for nuclear medicine, e.g. GE Color, Hot Iron



COMMUNICATION

- DICOM Modality Worklist Client

OUR COMPANY AT A GLANCE

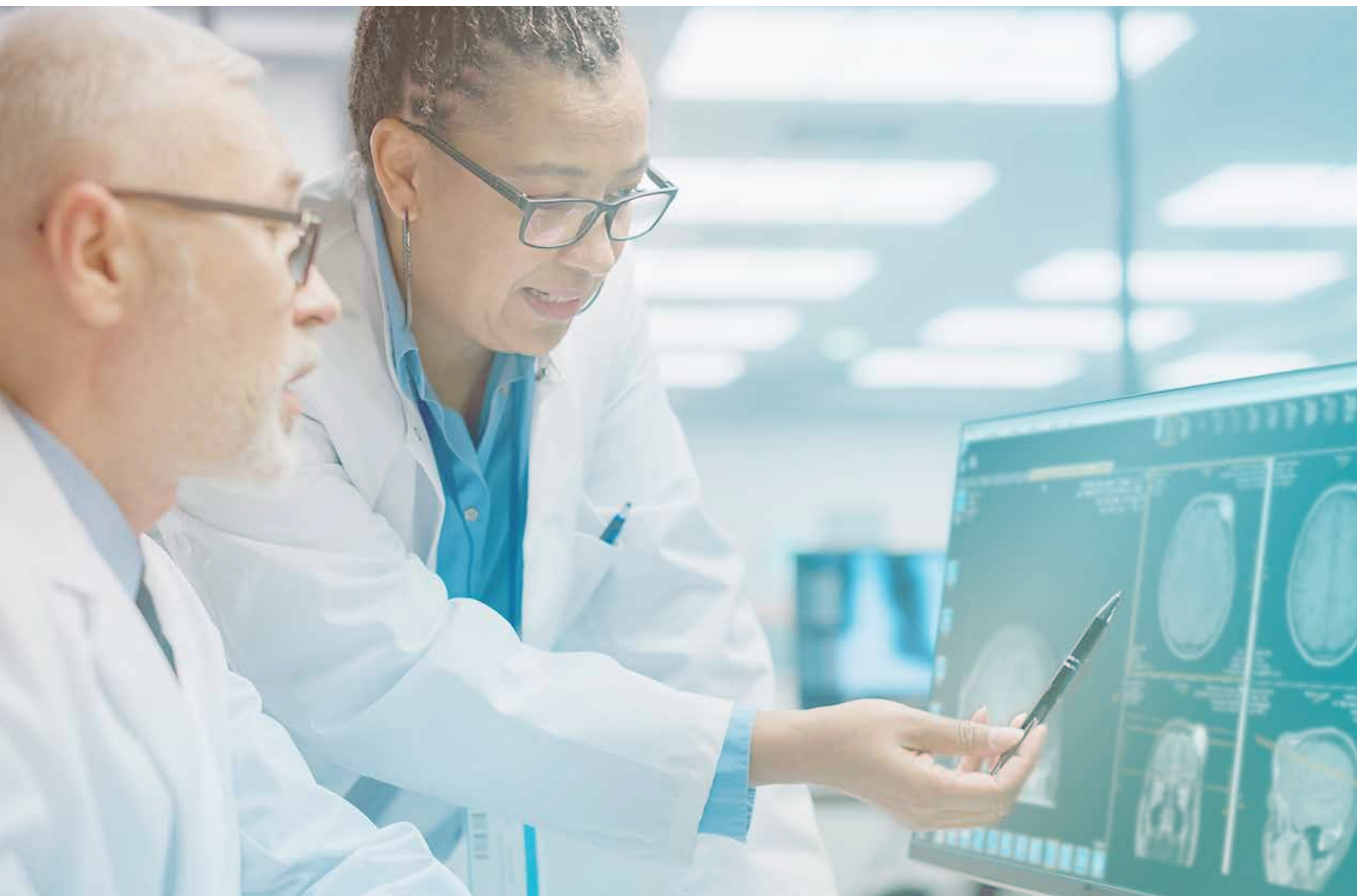
IMAGE Information Systems is an international company group with offices in Germany, USA and India, which offers complete, user friendly and cost-effective medical imaging solutions.

Ten thousands of users all over the world benefit from our state-of-the-art products for PACS, RIS, X-ray solutions, 3D processing and teleradiology. We have pioneered several innovations in the market:

- Our iQ-ROUTER supports highest image data compression for virtually all DICOM formats to enable high-speed teleradiology via any low bandwidth network connection.
- DICOMReader has the highest available read-in rate of patient CD-ROMs, ensuring compatibility with almost all available imaging modalities and vendors.

IMAGE Information Systems provides the second largest digital imaging user forum on earth, enabling users to share knowledge and best practice. To learn more about us and our products, please visit our image-systems.biz website.

Since 2023, IMAGE has been part of the PARATUS Group – a leading decentralized group of companies in the field of healthcare software and IT services. For more information about the group, please visit the paratus-group.com website.



OUR SOLUTIONS FOR YOUR IMAGING NEEDS



Hospitals



Education & Research



Doctor's Office & Urgent Care



Teleradiology



Imaging Centers



Veterinarians




Multisite & VNA



Radiotherapy



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Stamp of sales partner