



# VIEW / PRO

THE RADIOLOGY READING STATION

## *BY RADIOLOGISTS FOR IMAGING SPECIALISTS*



VERSION 3.1





# ***RADIOLOGY READING AT YOUR FINGERTIPS***

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*The key factor for physicians who frequently read medical imaging studies is selecting the appropriate reading station.*

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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 as a reading and reviewing station for all physicians, including orthopedic surgeons, chiropractors and internal specialists, while iQ-VIEW PRO is optimized for radiologists.

## **Quick and Easy**

iQ-VIEW offers quick and intuitive access to tools for improved 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 processing images. The most relevant buttons can simply be set up in the user's own default toolbar.

## **Previous Studies - Automatically**

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.

## **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. Specialty readers find interfaces to further image analysis tools, such as 3D post-processing and orthopedic templating.

## Versatile uses:

### Import - Export - Report

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.

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). iQ-VIEW may be used as a manual radiological media burning station – or alternatively, as a semi-automatic one in connection with iQ-ROBOT.\*

iQ-VIEW cannot only be used to read studies and reports, but it also comes with a basic reporting module, that enables users to create, edit, store and send their own structured reports.

## Teleradiology? No problem.

iQ-VIEW is also ideal for teleradiology purposes. Encrypted DICOM email makes it possible – ask any colleague anywhere in the world for a second opinion – with only one mouse click! This technology allows the quick, easy exchange of information among colleagues by email. Or, use the email feature to send out your image data as JPEG files.

## Licensing

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 and reliable service

Of course, iQ-VIEW 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.

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.

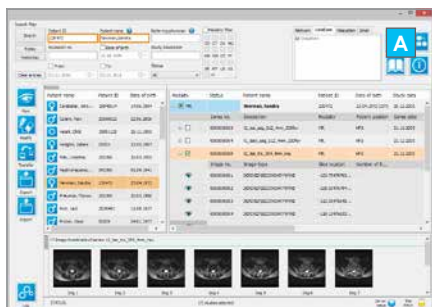
Low maintenance costs assure a quick return on investment.

IMAGE's worldwide network of manufacturer-trained service engineers ensures that guidance and support is just around the corner.

## THE SOLUTION CAN BE SO SIMPLE



\*Please note: iQ-ROBOT must not be sold or used in the United States of America and the United Kingdom.



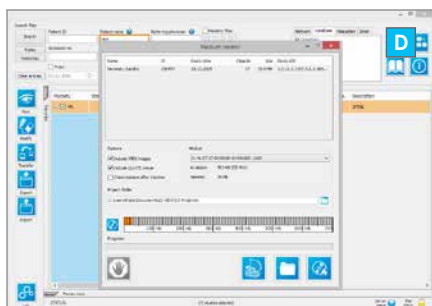
**A** The Study Browser provides a clear overview of all imaging data including structured reports. A patient list automatically sorts all available studies by patient.



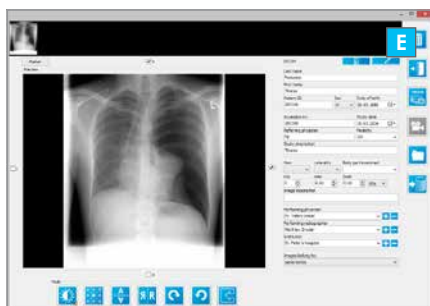
**B** All image processing tools can be accessed either by selecting buttons or menu items, or even by using shortcuts. For an easy orientation within a series, the user-friendly viewer offers several scoutpilot tools, such as the lines mode and the 3D position display.



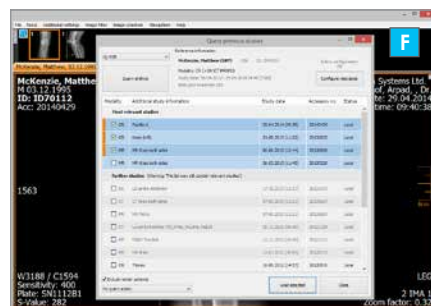
**C** iQ-VIEW can be used as a printing station; the integrated print manager allows for a flexible optimization of the printouts.



**D** 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.

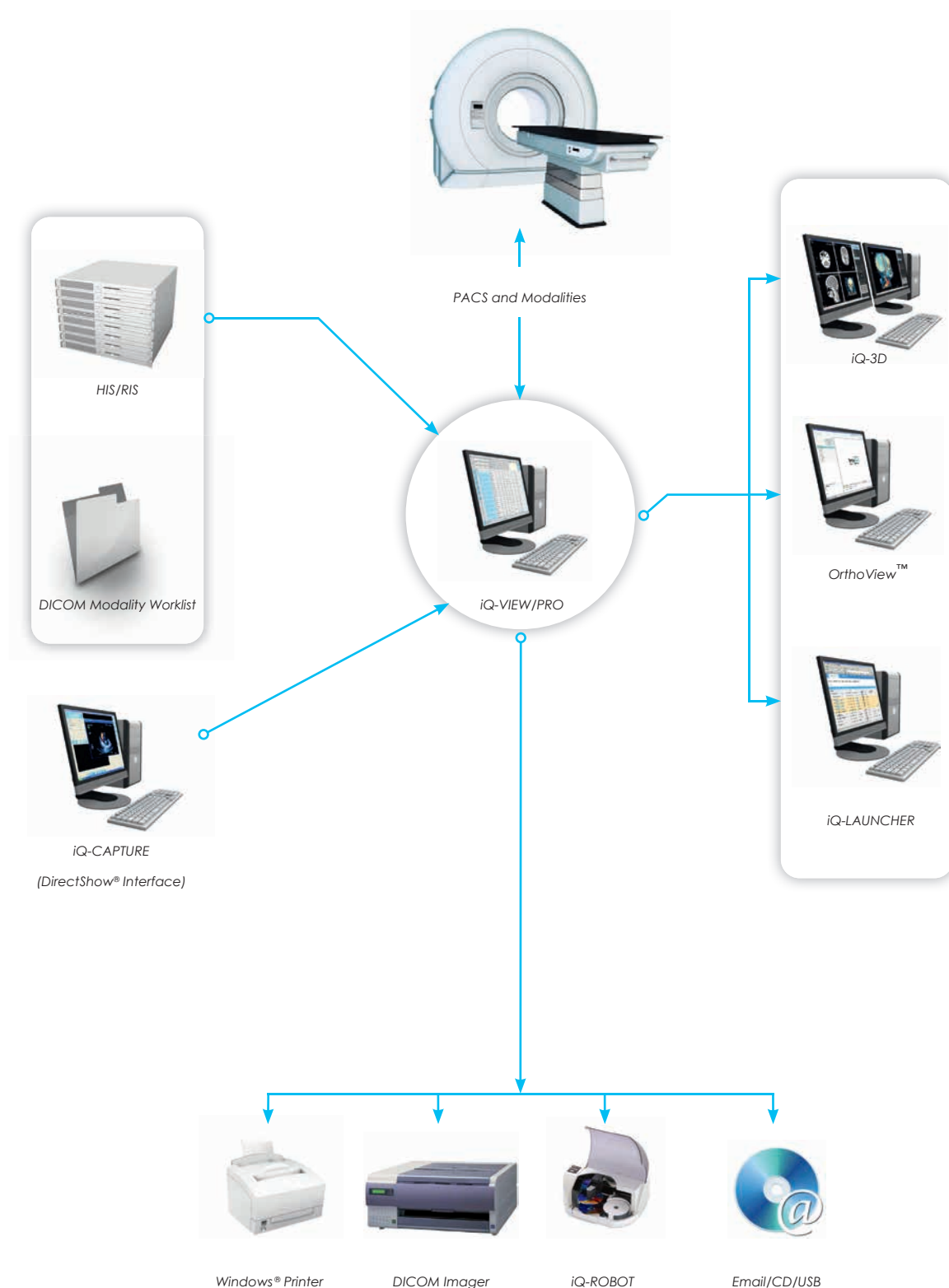


**E** The import module is a comprehensive tool for the acquisition of images from different sources (such as scanners, capture devices, cameras, microscopes or file directories) and their conversion to DICOM.



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

# iQ-VIEW/PRO WORKFLOW



iQ-VIEW places you, the reading physician, at the heart of all diagnostic processes. Receive studies from all modalities or a PACS in your reading station, 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 for 3D post-processing or orthopedic templating.

## GENERAL

- Support of DICOM datasets with specific character sets other than ISO\_IR 100 (incl. Unicode; see DICOM conformance statement for further details)
- Scalable buttons and possibility to set font size (for high-resolution displays)
- Multimonitor support
- Visual styles to create a more comfortable working experience, especially in reading room conditions

## STUDY BROWSER

- Study table
- Virtual patient list and thumbnail preview
- Display of patient age in addition to date of birth (NEW!)

## VIEWER

- Image processing (including 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 (NEW!)
- Faster reading through improved functions
  - 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 (including 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 on image level
- Configurable scoutlines to display plane projections/plane intersections
- Support of look-up tables, bitmap overlays and DICOM shutter sequences
- Lightbox window\* (white screen) for easy comparison of digital medical images with images on film
- Configurable bottom toolbar and creation of viewer shortcuts
- Open images of up to 150 megapixel in size
- Open tomosynthesis studies
- Fast opening of enhanced DICOM objects, e.g. enhanced CT, enhanced MR

## REPORTING

- Structured reporting with read/write/edit support of Basic SR objects
- Read-only support for other SR formats

## IMPORT

- Patient CD/DVD/USB import
- TWAIN interface (scanner, CR reader system, camera etc.)
- Image file import (BMP, JPEG, TIFF, RAW)
- Drop box interface

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

## iQ-VIEW FEATURES\*

### EXPORT

- Patient CD/DVD/USB
- Integration of direct interface to iQ-ROBOT for patient CD/DVD creation
- DICOM email and JPEG images by email
- Image export to image file or AVI video file\*\* (including measurements, windowing, color remapping, annotations and more)

### PRINTING

- Support of additional paper formats for DICOM Print to imagers of any brand, incl. true-size (1:1) DICOM printing (NEW!)
- Windows® Print

### COMMUNICATION

- DICOM Query/Retrieve, C-FIND, C-STORE, DICOM print client and DICOM email
- Server administration tool for easier DICOM configuration
- HIS/RIS interface (accession number or GDT/BDT) (others on request)

### ADD-ONS

- Optional 3D post-processing (iQ-3D)
- Optional orthopedic templating (OrthoView™)
- Optional integration of 3rd party image processing or image analysis tools (iQ-LAUNCHER)

### LICENSING

- Single (PC-based) or concurrent (floating user) licenses

### LANGUAGES

- Bulgarian, Chinese, Czech, Dutch, English, Estonian, Finnish, French, German, Italian, Japanese, Korean, Latvian, Polish, Portuguese, Russian, Spanish, Ukrainian (NEW!)

### CERTIFICATION

- CE 0482 / FDA 510(k)\*\*\*

## iQ-VIEW PRO FEATURES\*

### IN ADDITION TO iQ-VIEW FEATURES

### VIEWER

- Customizable automatic previous study management
- Finding previous studies by matching similar patient names (NEW!)
- 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)
- Copy of measurements to other images for 3D measurements, e.g. TTG
- 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

### IMPORT

- Optional video capture interface iQ-CAPTURE (DirectShow®)

\* Detailed information on iQ-VIEW/PRO's system requirements is available in the iQ-VIEW Administration Guide or the iQ-SYSTEM PACS Hardware Purchasing Guide.

\*\* Depending on local configuration

\*\*\* iQ-VIEW/PRO is a component of iQ-SYSTEM PACS 1.4 (FDA UDI B403IQS140).



# OUR COMPANY AT A GLANCE

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

Thousands of satisfied clients 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:

- We have introduced MED-TAB, the first DICOM-calibrated portable display for medical image analysis
- Our iQ-ROUTER supports virtually all DICOM image formats and transfer syntaxes in data transmission
- DICOMReader has the highest available read-in rate of patient media, 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 website.

[www.image-systems.biz](http://www.image-systems.biz)

## OUR PRODUCTS FOR YOUR IMAGING NEEDS

**iQ-SYSTEM PACS**

**iQ-RIS**

**MED-TAB™**

Full featured, reliable and affordable PACS  
Smooth radiology information system  
Superior portable image analysis

Stamp of sales partner



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