



**VIEW**

THE RADIOLOGY READING STATION

*BY RADIOLOGISTS  
FOR RADIOLOGISTS*



VERSION 2.8





# ***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 contain the highest level of functionality. iQ-VIEW fulfills both of these requirements since it has been designed by radiologists for radiologists.

The software is available in two different versions: BASIC and PRO. The BASIC version was developed as a reading station for all physicians, including orthopedic surgeons, chiropractors and internal specialists, while iQ-VIEW PRO is optimized for radiology and nuclear medicine requirements.

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.

An automatic tiling function arranges imaging studies on the screen without

any user interaction.

The PRO version includes 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.

When used on a system with an iQ-GRAFIX hardware graphics accelerator, iQ-VIEW PRO can manage any display resolution of up to 5 MP on

dual monitor systems with high performance.

iQ-VIEW can be integrated into virtually any RIS, EMR or HIS available on today's market. Customized modules for 3D post-processing, nuclear medicine, orthopedic templating, image stitching and more equip specialty readers with the required tools.

iQ-VIEW cannot only be used to read reports, but it also comes with a basic reporting module, that enables users to create, edit, store and send their own structured reports. The versatile software can also work as an exporting station by writing imaging data and reports to CDs, DVDs or memory sticks, printing on Windows® laser printers or DICOM medical imagers (including true-size DICOM printing), emailing any study to a colleague (even in diagnostic quality) or attaching scanned documents to a study.

iQ-VIEW can also work as an image acquisition station by importing images from scanners, directories and portable media, including options for patient reconciliation offered in the PRO version. 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 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.

Depending on your needs, iQ-VIEW is available either with a single or a concurrent license.

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

iQ-VIEW is the first viewer worldwide that has received DICOM-CD certification from the German Radiological Society. This guarantees that portable media created with iQ-VIEW fulfill the

requirements for DICOM media and can be used properly on any PC.

Continuous improvements to our 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.

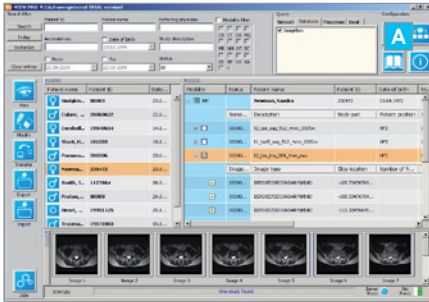
Low maintenance costs assure a quick return on investment. IMAGE's worldwide network of manufacturer-trained service engineers ensures that guidance and support is just around the corner.

## THE SOLUTION CAN BE SO SIMPLE

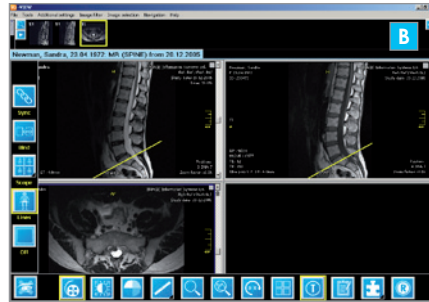




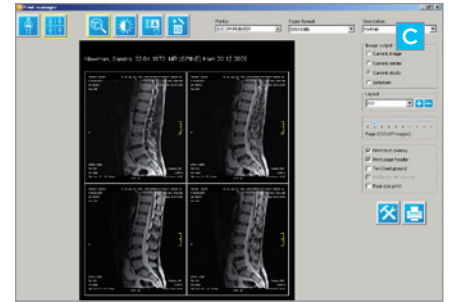
# iQ-VIEW/PRO SCREENSHOTS



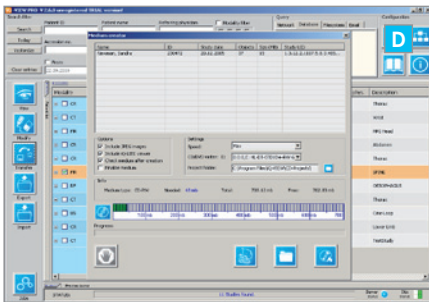
**A** The Study Browser provides a clear overview of all imaging data including structured reports. A patient root view automatically sorts all available studies by patient.



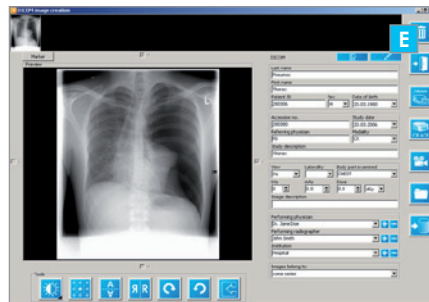
**B** All image processing tools can be accessed either by selecting buttons or menu items, or even by using shortcuts. For an easy orientation within a series, the user-friendly viewer offers several scoutpilot tools, such as the lines mode and the 3D position display.



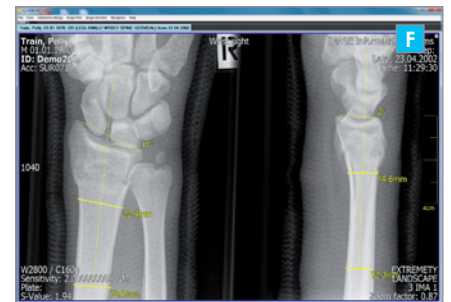
**C** iQ-VIEW can be used as a printing station; the integrated print manager allows for a flexible optimization of the printouts.



**D** Single and multiple studies and series can be exported to a CD, DVD or USB memory stick, all containing an iQ-LITE CD viewer. Exporting to DICOM email, to directories and different file formats is also possible.

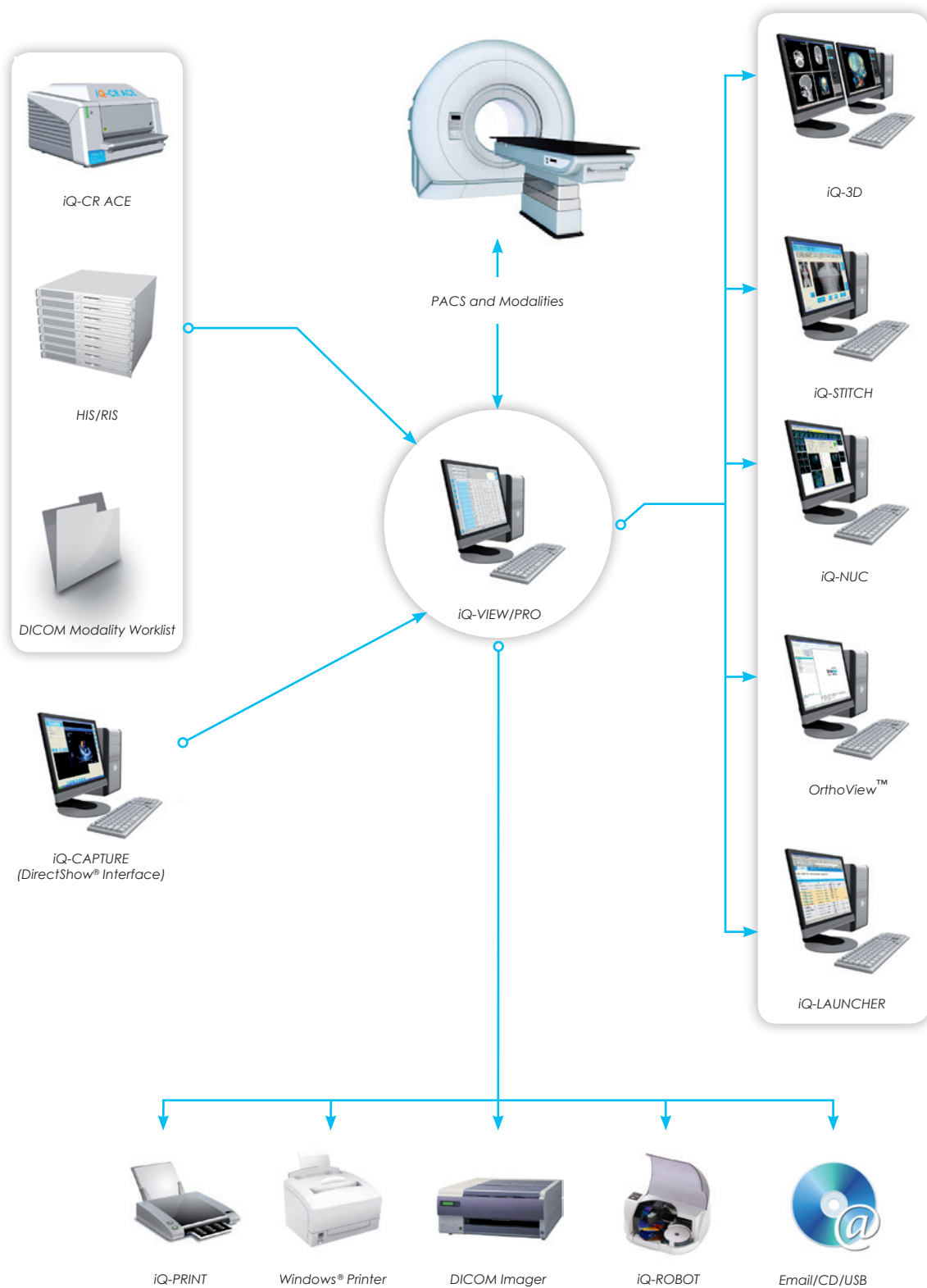


**E** The import module is a comprehensive tool for the acquisition of images from different sources (such as scanners, capture devices, cameras, microscopes or file directories) and their conversion to DICOM.



**F** iQ-VIEW offers complete and easy-to-use measurement tools for multiple clinical areas including oncology, trauma and ortho, e.g. to determine the radial inclination.

# 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, orthopedic templating, nuclear medicine or stitching.

# iQ-VIEW FEATURES

## GENERAL

- 64 bit support for Windows 7 Professional or higher
- 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

## STUDY BROWSER

- Study table
- Thumbnail preview
- Virtual patient root model

## VIEWER

- Image processing (including comparison of multiple studies and image filters, synchronization/desynchronization of series)
- Configurable bottom toolbar and creation of viewer shortcuts
- Measurements (including distance, angle, Cobb angle, ROI, ratio and modify/delete options)
  - **Enhanced measurements: distance and angle measurements show current value during drawing; distance measurement shows center marker, e.g. for determination of the bone axis (NEW!)**
- Basic annotation of images (incl. Secondary Capture image creation)
- DICOM presentation states on image level
- Configurable scoutlines to display plane projections and/or plane intersections
- Integration of 3rd party image processing or image analysis tools
- Support of DICOM shutter sequences
  - **Improved window management for easier handling of multiple applications incl. magnification and minimization of application windows (NEW!)**
  - **Lightbox window\* (white screen) for easy comparison of digital medical images with images on film (NEW!)**

## REPORTING

- Structured reporting module 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, video capture, etc.)
- Image file import (BMP, JPEG, TIFF, RAW)
- Drop box interface

## 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

- DICOM Print to imagers of any brand
- True-size (1:1) DICOM printing
- Windows® Print

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

\*\* depending on local configuration

# iQ-VIEW FEATURES

## COMMUNICATION

- Server administration tool for easier DICOM configuration
- Improved interoperability with iQ-products; support of various transfer syntaxes
- HIS/RIS interface (accession number or GDT/BDT) (others on request)
- DICOM Query/Retrieve, C-FIND, C-STORE, DICOM print client and DICOM email

## ADD-ONS

- Optional 3D post-processing add-on module (iQ-3D)
- Optional image stitching software (iQ-STITCH)
- Optional orthopedic templating module (OrthoView™)
- Optional nuclear image processing (iQ-NUC)
- *Optional free module to interface with 3rd party applications, e.g. Adobe Photoshop®, GIMP and multiple image analysis tools from various vendors (iQ-LAUNCHER)*

## LICENSING

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

## LANGUAGES

- Bulgarian, Czech, Dutch, English, Estonian, Finnish, French, German, *Hungarian (NEW!)*, Italian, Japanese, Korean, Latvian, Persian, Polish, Portuguese (PT & BR), Russian, Spanish, Turkish, *Vietnamese (NEW!)*

## CERTIFICATION

- CE 0482 / FDA 510(k)

# iQ-VIEW PRO FEATURES

IN ADDITION TO iQ-VIEW FEATURES

## VIEWER

- Hanging Protocols (including the creation of HP sequences and modality-specific toolbars)
- Additional 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) (NEW!)*
- Copy of measurements to other images to enable 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, Lut7

## COMMUNICATION

- DICOM Worklist Client

## IMPORT

- Video capture interface iQ-CAPTURE (DirectShow®)\*
- Foot switch support
- Improved iQ-CR ACE post-processing, incl. histogram function and S-value (optional)



\* We recommend the iQ-CAPTURE or iQ-CAPTURE PRO hardware packages for an efficient and guaranteed use. They each include a frame grabber card and a foot switch.

# SYSTEM REQUIREMENTS

## HARDWARE & SOFTWARE REQUIREMENTS

	MINIMUM	RECOMMENDED iQ-VIEW	RECOMMENDED iQ-VIEW PRO
<b>OS:</b>	Windows XP Pro 32 bit Windows 7 Pro 32 bit or 64 bit	Windows 7 Pro 64 bit	Windows 7 Pro 64 bit
<b>CPU:</b>	Intel® Pentium® Dual Core	Intel® Core™ i5	Intel® Core™ i7
<b>RAM:</b>	3 GB RAM	4 GB RAM	8 GB RAM
<b>HDD:</b>	80 GB free hard disk space (DMA33)	≥ 500 GB free hard disk space (S-ATA II)	≥ 500 GB free hard disk space (S-ATA II)
<b>Network:</b>	100 Mbit/s network adapter	100 Mbit/s network adapter	1 Gbit/s network adapter
<b>Graphics:</b>	24 bit color or 8 bit gray output Any NVIDIA or ATI graphics card ≥ 256 MB RAM	24 bit color or 8 bit gray output Any NVIDIA or ATI graphics card ≥ 1 GB RAM, e.g. iQ-GRAFIX	24 bit color or 8 bit gray output Any NVIDIA or ATI ≥ 1 GB RAM, ≥ 256 bit, e.g. iQ-GRAFIX PRO
<b>Display:</b>	1024 x 768 pixel High-resolution monitors for diag- nostics	1280 x 1024 pixel or more 1 or 2 IMAGE DISPLAYS BASIC (+ 1 display for worklist)	1280 x 1024 pixel or more 2 IMAGE DISPLAYS PRO or PREMI- UM (+ 1 display for worklist)
<b>Peripherals:</b>	CD or DVD writer	Scroll mouse, CD or DVD writer, PostScript printer	Scroll mouse, CD or DVD writer, PostScript printer
<b>Hardware:</b>		Dell	Dell

## OUR PRODUCTS FOR YOUR IMAGING NEEDS

iQ-SYSTEM PACS  
iQ-NUC  
iQ-RIS  
IMAGE DISPLAYS

Full featured, reliable and affordable PACS  
Complete package for nuclear image processing  
Smooth radiology information system  
Medical diagnostic displays



MRS - Medical & Radiology Services Inc.  
7275 NW 68TH ST, Suite 5  
Miami, Florida 33166  
Tel: 305-805-9550  
Fax: 305-805-9556  
Web: [www.mrsdigitalxray.com](http://www.mrsdigitalxray.com)