iQ

READINGS MADE SIMPLE

iQ-VIEW HELPS YOU REACH A NEW LEVEL

The most important issue for all physicians who frequently have to read imaging studies is selecting the appropriate reading station.

The perfect reading station needs to be user-friendly and provide a good performance. iQ-VIEW is an easy-to-use reading station that 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, such as orthopedic surgeons, chiropractors, veterinarians and internal specialists, while iQ-VIEW PRO is optimized for radiology and nuclear medicine requirements.

Due to its special software design iQ-VIEW is very fast. You can easily access all image processing tools both by selecting buttons or menu items and even by using shortcuts. An automatic tiling function arranges imaging studies on the screen without any user interaction. A configurable toolbar in the viewer lets you easily select the tools you need for processing your images. Just set up the most relevant buttons in your own default toolbar.

The PRO version additionally includes a Hanging Protocol tool which allows the creation of individually customizable hanging protocols. As a result, studies and images can be loaded automatically as you wish to read them. Hanging protocol sequences offer the possibility to easily switch between different ways to display the same study, allowing you to set up modality-specific toolbars.

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 a high performance. iQ-

VIEW PRO is also the world's first full 12 bit image processing solution. The viewer can display images with their full gray depth of up to 4096 shades when using IMAGE DISPLAYS.

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

iQ-VIEW is a powerful reading station and it includes many additional useful features. iQ-VIEW cannot only be used to read reports, but it also comes with a basic structured reporting module allowing you to create, edit, store and send your own structured reports. It is further possible to write imaging data and reports on CDs, DVDs or memory sticks, to print on Windows® laser printers or DICOM medical imagers, to email any study to a colleague (even in diagnostic quality) or to attach 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 rather, as a semi-automatic one in connection with iQ-ROBOT. It is also ideal for teleradiology purposes. Encrypted DICOM email makes it possible: Ask any colleague anywhere in the world for a second opin-

ion by just doing two mouse-clicks! This new technology offers easy and fast information exchange among colleagues by email. Or use the email feature to send out your image data as JPEG files.

Of course, iQ-VIEW is compliant with all applicable standards such as DICOM, IHE, CE and FDA 510(k). 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 the DICOM-CD certificate of the German Radiological Society. This guarantees that portable media created with iQ-VIEW fulfill the requirements for DICOM media and they can be used properly on any computer fulfilling the minimum requirements.

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 ensured at all times.

Low maintenance costs assure the quick amortization of your investment.
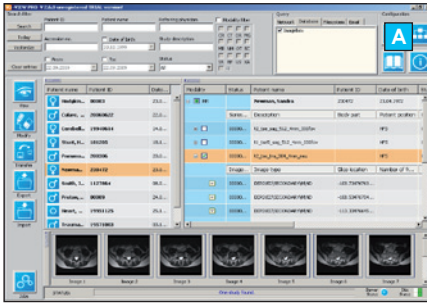
A worldwide network of manufacturer-trained service engineers guarantees a running reading solution around the clock.
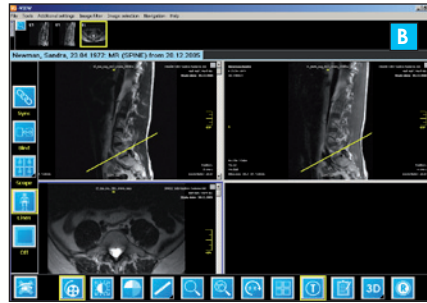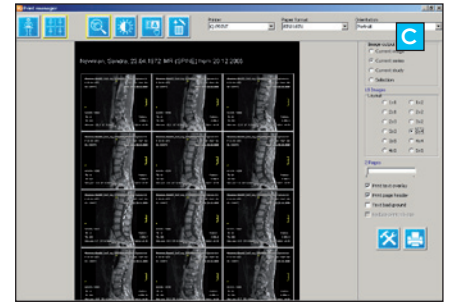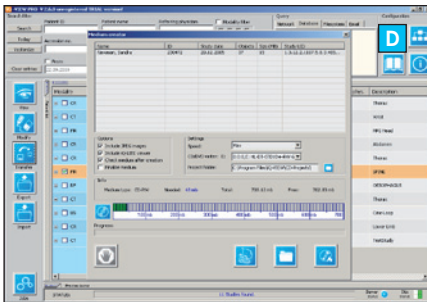
THE SOLUTION CAN BE SO SIMPLE

A The Study Browser gives a clear overview of all your imaging data including structured reports. A patient root view will automatically sort all available studies according to patients.
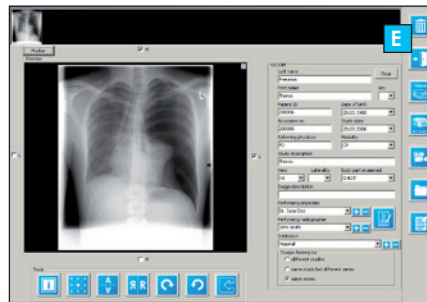

B All image processing tools can be accessed either by selecting buttons or menu items or even by using shortcuts. For an easy orientation within a series, the user-friendly viewer offers several scoutpilot tools, such as the lines mode and the 3D position display.

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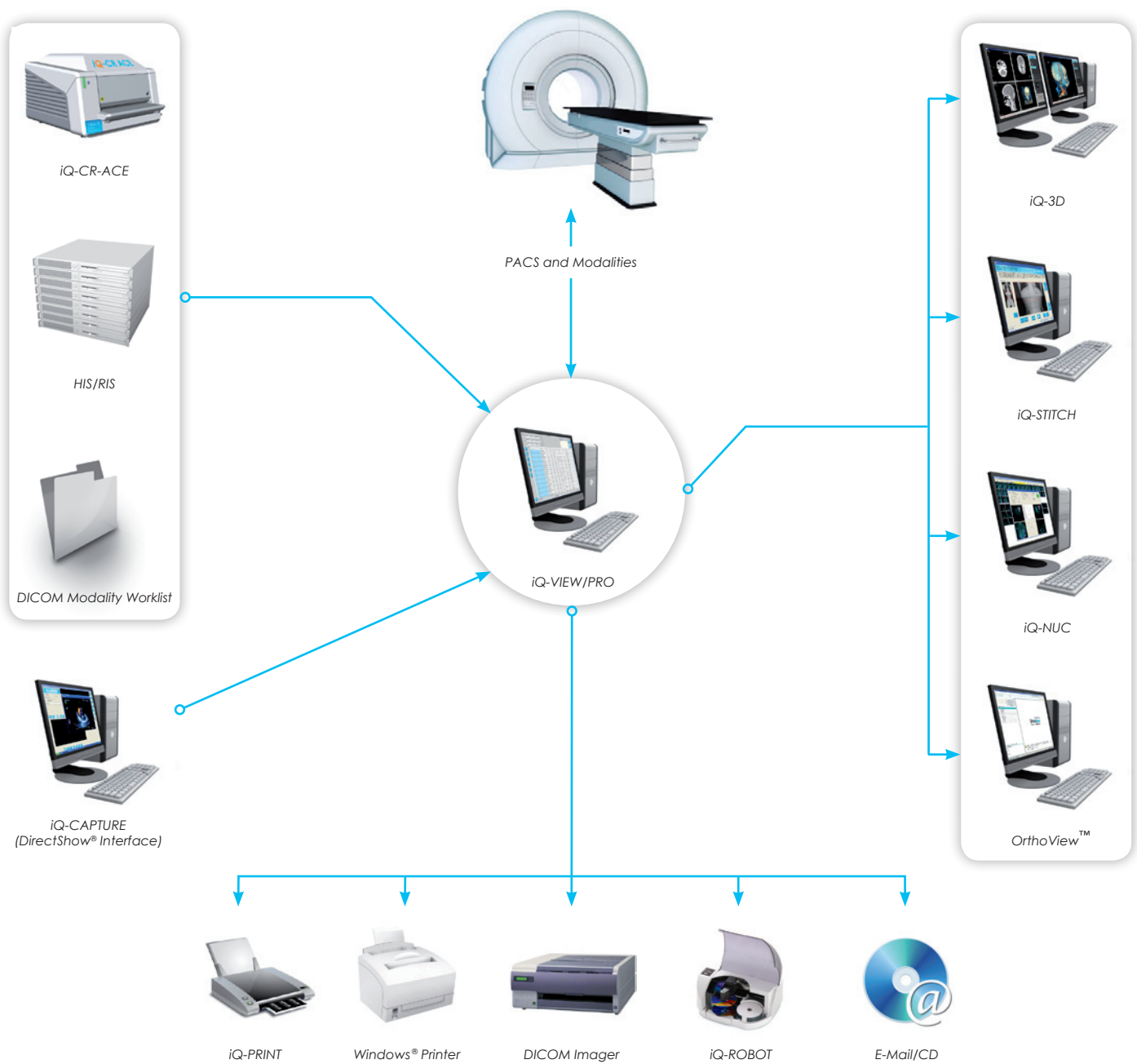

D Individual and multiple studies and series can be exported to CD, DVD or memory stick, all including an iQ-LITE CD viewer. Export to DICOM email, to directories and different file formats is also possible and useful.

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.

iQ-VIEW/PRO WORKFLOW

iQ-CR-ACE

HIS/RIS

DICOM Modality Worklist

iQ-CAPTURE
(DirectShow® Interface)

PACS and Modalities

iQ-VIEW/PRO

iQ-3D

iQ-STITCH

iQ-NUC

OrthoView™

iQ-PRINT

Windows® Printer

DICOM Imager

iQ-ROBOT

E-Mail/CD

iQ-VIEW places you as 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 for 3D post-processing, orthopedic templating, nuclear medicine or stitching closely interfaced with your viewer.

iQ-VIEW FEATURES

GENERAL
- New and improved user interface (NEW!)
- Scalable buttons and possibility to set font size (for high-resolution displays) (NEW!)

VIEWER
- Image processing (including comparison of multiple studies and image filters) (NEW!)
- Multimonitor support
- Configurable bottom toolbar (NEW!) and creation of viewer shortcuts
- Measurements (including distance, angle, Cobb angle, ROI and modify / delete options)
- Basic annotation of images (incl. Secondary Capture image creation)
- Stack mode / Cine mode
- Creation of shortcuts
- Optional 3D post-processing add-on module (iQ-3D)
- Optional image stitching software (iQ-STITCH) (NEW!)
- Optional orthopedic templating module (OrthoView™)
- Optional nuclear image processing (iQ-NUC)
- Basic IMAGE DISPLAYS support (NEW!)

COMMUNICATION
- DICOM Query/Retrieve, DICOM Print Client, DICOM Email
- Supports JPEG, JPEG 2000 compression
- HIS/RIS interface (API, GDT/BDT) (others on request)

IMPORT
- TWAIN interface (scanner, video capture and CR)
- Optional iQ-CR ACE scanner interface (NEW!)
- Drop box interface
- Image file import (BMP, JPEG, TIFF, RAW)
- Patient CD/DVD import

EXPORT
- Patient CD, DVD and memory stick
- Windows® Print
- Image export to image file or AVI video file (including measurements, windowing, color remapping, annotations and more)
- Sending of JPEG images by email (NEW!)
- Integration of direct interface to iQ-ROBOT for patient CD/DVD creation (NEW!)

STUDY BROWSER
- Study table
- Thumbnail preview
- Virtual patient root model

DOCUMENTATION
- Structured reporting module with read/write/edit support of own Basic SR objects (NEW!)
- Read-only support for other SR formats

LANGUAGES
- Dutch, English, Estonian, French, German, Italian, Japanese, Latvian, Persian, Portuguese (BR), Spanish (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) (NEW!)
- Dynamic magnifier window for seamless image zooming (NEW!)
- Annotation of images (incl. storing and sending as Presentation States) (NEW!)
- Color schemes for nuclear medicine, e.g. GE Color, Hot Iron, Lut7 (NEW!)
- Enhanced IMAGE DISPLAYS support (true 12 bit grayscale display) (NEW!)

COMMUNICATION
- DICOM Worklist Client

IMPORT
- Video capture interface iQ-CAPTURE (DirectShow®)*
- Foot switch support

* 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

	MINIMUM	RECOMMENDED
OS:	Windows XP, Windows Vista 32 bit	Windows XP Professional
CPU:	Pentium IV, 1 GHz (1,5 GHz for cardiology)	Pentium IV, 2 GHz
RAM:	512 MB RAM (2 GB RAM for cardiology)	1 GB RAM (3 GB RAM for cardiology)
HDD:	2 GB free hard disc space (DMA33)	20-500 GB free hard disc space (S-ATA or SCSI)
Network:	10 Mbit/s network adapter	100 Mbit/s network adapter
Graphics:	24 bit color or 8 bit gray output Any NVIDIA, ATI or Matrox graphics card	24 bit color or 12 bit gray output iQ-GRAFIX or iQ-GRAFIX PRO
Display:	1024 x 768 pixel High-resolution monitors for diagnostics	1280 x 1024 pixel or more, IMAGE DISPLAYS for diagnostic purposes
Peripherals:	CD-ROM drive	Scroll mouse, CD or DVD writer, PostScript Printer
Hardware:		Dell hardware

OUR SOLUTIONS FOR YOUR IMAGING NEEDS

iQ-VIEW	The radiology reading station
iQ-VIEW 3D	3D post-processing workstation
iQ-STITCH	Tool for the creation of full spine and full leg images
iQ-CAPTURE	Add-on hardware module for capturing images from analog video sources
OrthoView™	Add-on module for orthopedic templating and trauma planning
DICOMReader	Read any DICOM CD into your PACS
iQ-WEBX	PACS server for storage, teleradiology and image distribution
iQ-WEBX WADO	Simplifying the workflow
iQ-PRINT	DICOM paper print server
iQ-ROBOT	Automatic burning and labeling of patient CDs and DVDs
iQ-ROUTER	Image compression for teleradiology and workflow management
iQ-WORKLIST	DICOM worklist server optimizing your workflow
iQ-MAIL	Simple teleradiology using DICOM email
iQ-NUC	Complete package for nuclear image processing
iQ-RIS	The smooth radiology information system
IMAGE DISPLAYS	Medical diagnostic displays
iQ-CR ACE	Efficiency in CR