



DIGITAL SOLUTIONS

RIS AND PACS FOR RADIOLOGISTS

SKY IS THE LIMIT





GET READY FOR A WHOLE WORLD OF ADVANTAGES

You have the dream: Any medical image or record, anytime, anywhere.
We have the solution: All digital patient data within seconds - worldwide!

Why go digital?

The answer is as simple as:
IT'S FASTER, BETTER AND EASIER!

Does going digital meet my standards?

Our iQ product family is especially designed to assist your multi-modality workflow. The whole product line has intuitive, easy-to-use interfaces designed by radiologists for radiologists.

Showing 800 slices of an MRI within milliseconds, displaying high contrast mammography or even sorting individual protocols (hanging pro-

ocols) are only some of the many helpful features included.

Smoothly integrated modules for 3D post-processing, nuclear medicine, orthopedic templating and image stitching are also available, helping you to improve your workflow dramatically.

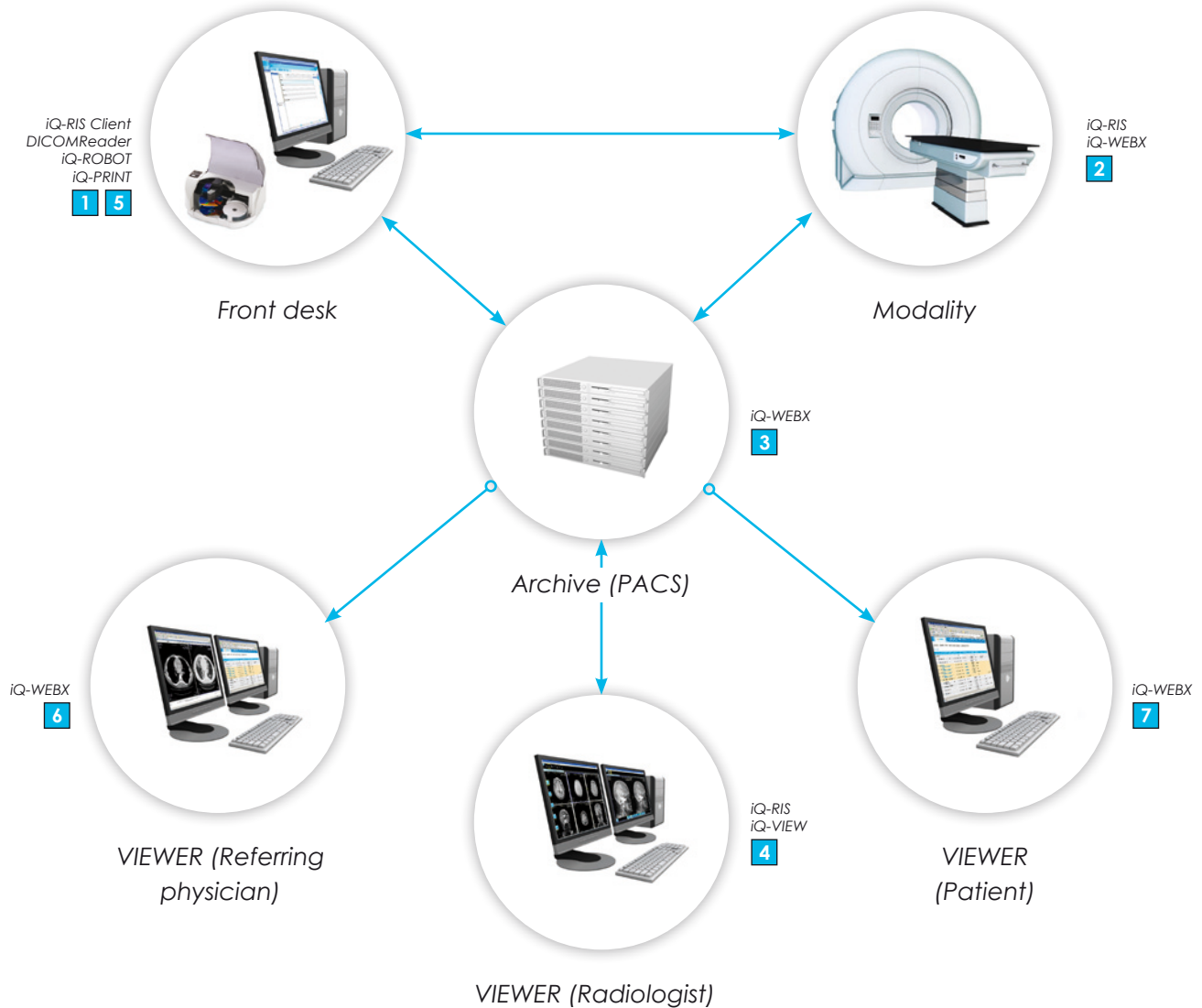
Can I share studies with referring physicians or other colleagues?

Yes, you can easily and securely send studies and reports via email, web, on CD, paper or on film. As the studies may be shared and accessed electronically, you can receive a second opinion from col-

leagues anywhere in the world. Even you as the reading physician do not have to be at the same location as the patients.



A TYPICAL DIGITAL MEDICAL IMAGING WORKFLOW



1 a) Patient arrives

iQ-RIS overviews all appointments (acquisition of patient data, sending study data to iQ-RIS WORKLIST)

b) Patient brings digital data of previous examinations

DICOMReader scans data carriers (CDs, CD-ROMs, DVDs or memory sticks)

2 Patient is examined

iQ-RIS provides DICOM worklist
iQ-RIS shows previous images on iQ-WEBX

3 Patient data is stored

iQ-WEBX stores demographic studies and matches them with study image data

4 Image data is sent to viewing stations

iQ-WEBX forwards all images to reporting station (iQ-RIS automatically opens appropriate studies on iQ-VIEW station)

iQ-VIEW sends images back to archive for documentation

5 Patient takes images home

iQ-ROBOT burns report and all image data onto CD
iQ-PRINT prints all image data on regular paper

6 Referring physician requests images

iQ-WEBX shows images and reports to referring physician

7 Patient wants to view images

iQ-WEBX displays patient's data for a set period of time

MAIN ADVANTAGES OF GOING DIGITAL

SCHEDULE With iQ-RIS you can smoothly manage your appointments and keep your patient records permanently up-to-date.

iQ-WORKLIST, our DICOM work list broker, transmits all relevant patient data to any imaging device ensuring data consistency and accelerating the imaging workflow.

ACQUIRE Digital imaging does not need chemistry, dark-rooms, waste disposals and ventilation systems. Hence, you can finally get rid of toxic developing procedures.

Additionally, with iQ-VIEW images can be easily manipulated (brightness/contrast, filters), allowing a wider range of thicknesses to be examined in just one exposure.

VIEW iQ-VIEW PRO includes a handy and customizable Hanging Protocol tool for loading studies and images automatically. Using those sequences you can switch between different views to display the same study.

Annotations on images or other manipulations can be saved as separate presentation states. This way, any later reviews will be consistent.

A configurable toolbar in the viewer allows the easy selection of tools needed for processing images, like zooming, windowing, measuring, filtering and many more. Simply set up the most relevant ones in your own default toolbar.

Any previous studies can be loaded immediately.

IMAGE-DISPLAYS are high resolution diagnostic monitors displaying the whole range of gray shades in 12bit as acquired on most modalities.

ACCESS It is easily possible to read in digital image data from virtually any external imaging center into iQ-SYSTEM PACS using the DICOMREADER.

Imaging studies can be sent via email to referring physicians (iQ-MAIL) or are directly available via secured WEB (iQ-WEBX).



MAIN ADVANTAGES OF GOING DIGITAL

COPY iQ-ROBOT is a simple and affordable solution to automatically create CD/DVDs containing medical studies and reports from the local network.

Another option is to print on regular paper in high quality directly from a modality using iQ-PRINT.

SHARE By implementing teleradiology systems (e.g. iQ-WEBX), reading physicians can be located anywhere in the world and may even receive studies on their notebook. This way, imaging centers gain independence and flexibility. Furthermore, they can outsource sub-specializations and save time and resources while keeping standards high.

The same tool (iQ-WEBX) provides referring physicians simple and secure access to the whole patient history, e.g. studies, reports or documents, via the internet.



SUMMARY

TO THE POINT...

RADIOLOGY YESTERDAY	RADIOLOGY TODAY
Conventional radiographies	Digital files
Light boxes in dark rooms	High-quality displays (12bit) under almost daylight conditions e.g. IMAGE DISPLAYS
Average image-quality	High-quality digital images
High space requirements for storing images	Minor space requirements for workstations and servers
Fixed image on film	Flexible image postprocessing e.g. iQ-VIEW, iQ-VIEW 3D
Manual "post-processing" with ruler and protractor	Automatic post-processing with specialized add-on modules e.g. iQ-NUC, Orthoview, iQ-VIEW 3D, iQ-STITCH
Use of toxic chemicals	Environmentally friendly
Slow image transfer to colleagues	Fast electronic image transfer
Missing paper files or documents	Electronic medical record, scheduling and billing process always online e.g. iQ-RIS
Typing mistakes on different modalities	Consistent imaging data e.g. iQ-WORKLIST
Patients received no copies	Patients can receive a CD or USB stick with their images e.g. iQ-ROBOT
Limited access to images	Any image, anytime, anywhere e.g. iQ-WEBX



OUR COMPANY AT A GLANCE

IMAGE Information Systems is a British-German company group, which offers complete, easy-to-use and affordable solutions for the most demanding customers in the field of medical imaging.

Thousands of satisfied clients all over the world are benefiting from our state-of-the-art products for PACS, RIS, nuclear medicine, medical displays, X-ray solutions, 3D processing and teleradiology.

We have pioneered several innovations to the market: We are the first worldwide PACS vendor to introduce true 12 bit grayscale display technology for a visibly better quality of CR, DR and CT studies. We are the world's first provider of a fully automatic nuclear heart reconstruction. Our DICOMReader has the highest available read-in rate of patient CD-ROMs ensuring virtually full compatibility with almost all available imaging modalities and vendors.

IMAGE Information Systems provides the 2nd largest digital imaging user forum on earth with more than 20,000 registered users.

To learn more about us and our products, please visit our web site.

www.image-systems.biz

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	Reading portable DICOM media into any 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

