

# PRODUCT CATALOG

A NEW DIMENSION IN DIAGNOSTICS



OUR PRODUCTS AT A GLANCE

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

# iQ-SYSTEM PACS

## MEDICAL IMAGING WITH iQ

iQ-SYSTEM PACS is an easily configurable, highly scalable Picture Archiving and Communication System. It is easy to operate and supports virtually all imaging modalities in the market from almost all vendors, as well as reporting. The viewing system is available in 19 languages. iQ-SYSTEM PACS is a system of interrelated software components which can either be used altogether or in various combinations.\*

### iQ-VIEW

iQ-VIEW is a user-friendly multimodality workstation for easy image processing. With iQ-VIEW, it is possible to compare different studies, conduct measurements and use all common image processing functions.

The output can be printed by both Windows printers and DICOM printers, burned to CDs/DVDs or sent via email or by DICOM.

iQ-VIEW is a fantastic tool for all kinds of image reading, processing or teleradiology.

### iQ-4VIEW

iQ-4VIEW is a diagnostic zero-footprint viewer running on virtually any device (e.g. smartphone, tablet, computer). There is no installation on the client required. iQ-4VIEW allows for diagnostic\*\* reading, viewing and reviewing of medical images regardless of which browser or operating systems is used.

### iQ-ROUTER

The iQ-ROUTER software has been developed to provide TLS/SSL DICOM authentication and encryption for teleradiology use and to speed up any wide area network DICOM transmission using various compression options.

### iQ-WEB

iQ-WEB is a complete, easy-to-use and affordable PACS solution for storing, distributing, viewing and sharing medical imaging studies and reports. It consists of several applications all in one package:

- DICOM Server
- Web Server for an unlimited number of users
- Vendor Neutral Archive (VNA)
- Native VNA included

\* Regulatory status is subject to change. See product brochures for details.

\*\* Diagnostic image visualization only on suitable devices



# — Server and Web SOFTWARE

## **iQ-DASHBOARD**

iQ-DASHBOARD is a tool which gives PACS administrators a convenient overview of what is happening in their iQ-WEB, e.g. how many imaging studies were created per device during the last month, which was the most examined body part during the last year, which hospital site is doing the most CT scans).

## **iQ-MIGRATION**

iQ-MIGRATION is an innovative solution for moving any image archive to a new PACS.

## **iQ-ROBOT**

iQ-ROBOT is a server to automatically burn and print patient studies and reports to CD-ROMs and DVDs using Epson® and PRIMERA™ robot systems.

iQ-ROBOT PREMIUM additionally offers an optical DICOM offline archive feature.

## **iQ-WORKLIST**

iQ-WORKLIST is a powerful DICOM WORKLIST server. It can interface with most radiology, practice or hospital information systems, read scheduling data and provide DICOM worklists for imaging modalities to optimize the workflow.

# — Workstation SOFTWARE

## **iQ-VIEW 3D**

This version of iQ-VIEW is a clinical 3D post-processing workstation.

## **iQ-VIEW PRO MAMMO**

iQ-VIEW PRO MAMMO is a mammography reading station that incorporates the complete diagnostic imaging and staging process. There is no need to switch between workstations to perform mammography, ultrasound, CT, MRI and tomosynthesis readings anymore.

## **iQ-CAPTURE**

iQ-CAPTURE/PRO is a hardware package (capture board + foot switch) for iQ-VIEW PRO that captures single medical images or sequences from any low or high resolution video source and converts them to DICOM

## **DICOMReader**

The DICOMReader is a software tool that automatically reads virtually any medical imaging CD, DVD or USB media consistently into any PACS.

# iQ-WEB

## ADD-ONS

### iQ-WEBX WADO

iQ-WEBX WADO allows to interface iQ-WEB with any existing HIS or RIS, thus enabling physicians to access images and reports using the login of their existing information systems without logging in separately. iQ-WEBX WADO is available for both, HL7 and proprietary integration.

### iQ-WEB2GO

iQ-WEB2GO is an iQ-WEB module for web-based viewing of radiology images on iOS or Android based mobile, handheld devices including the iPhone, iPad, and Samsung Galaxy.

### iQ-FUSION

iQ-FUSION\* is a zero-footprint viewer for web-based PET/CT image fusion.

### iQ-WEB PORTAL

iQ-WEB PORTAL enables sharing of medical results, imaging studies and reports with patients, referring or external reading physicians in diagnostic quality. It provides easy and secure data sharing via email, WhatsApp or Cloud.

### iQ-WEB UPLOADER

iQ-WEB UPLOADER is a web application to upload any medical images, relevant pictures or documents via an easy-to-use web page - from any internet-enabled device.

### iQ-DOSE

iQ-DOSE allows to automatically monitor and document the radiation dose applied during imaging procedures. By creating automatic overdose notifications iQ-DOSE enables medical institutions to immediately take needed measures and to meet legal requirements.

### iQ-WEBX REPORT CONVERTER

iQ-WEBX REPORT CONVERTER uses a state-of-the-art algorithm to automatically convert and transmit DICOM Structured Reports and HL7 text reports between information systems and iQ-WEB.

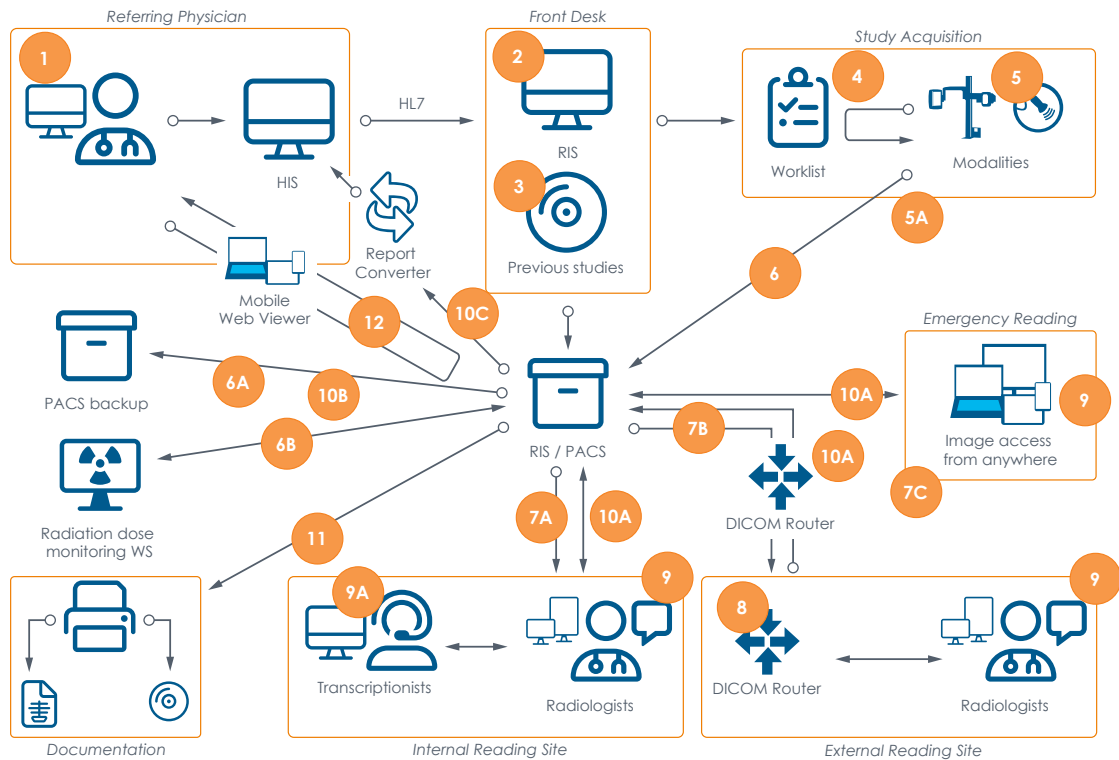
### iQ-SR2PDF CONVERTER

iQ-SR2PDF CONVERTER automatically copies the content of DICOM Structured Reports (SR) to institutional letterheads, inserts signature(s) of reading physician(s) and attaches it as PDF for printing, downloading or forwarding.



\*Not for diagnostic purposes within the European Union

# General Radiology WORKFLOW



- 1 Physicians refer patients to the radiology department.
- 2 Scheduled patient arrives and delivers previous images and reports on CD/DVD.
- 3 The receptionist uploads previous studies to the PACS (**DICOMReader**).
- 4 Procedure data is provided by the DICOM Modality WL.
- 5 Modalities query the Worklist for patient demographics and study acquisition. Technicians have overview of workflow tasks (**iQ-RIS/ iQ-WEB RIS**).
- 5A Procedure documentation, e.g. contrast agent, radiation dose, etc.
- 6 Images are stored on **iQ-WEB** PACS Server.
- 6A **iQ-WEB** sends a copy of all images to the backup PACS (another **iQ-WEB**).
- 6B Radiation Protection Officer will be notified by **iQ-DOSE** in case an over-dose is detected. Any intended or unintended overdose can be easily documented for legal and quality assurance reasons.
- 7A **iQ-RIS /iQ-WEB RIS** provides reading list.
- 7B **iQ-ROUTER** speeds up the distribution of DICOM images to external reading sites.
- 7C During night shifts, **iQ-4VIEW** allows for emergency reading incl. structured reporting (SR).
- 8 The external Router receives the images and sends them to the corresponding workstation.
- 9
  - Inhouse Radiologists receive images and create reports, using digital dictation or voice recognition.
  - The external Radiologists read the images and create reports.
  - The Radiologist on night duty performs emergency reading from home.
- 9A Transcriptionists enter or correct the dictations.
- 10A Reports are approved and sent back to the PACS for storage.
- 10B A copy of the reports is sent to the backup PACS.
- 10C The report converter makes DICOM SRs available for HIS.
- 11 Images and reports can be burned on CDs (**iQ-ROBOT**) or printed on paper (**iQ-PRINT**).
- 12 Referring physicians access studies online or directly from HIS/EMR (**iQ-WEBX WADO**, on non-diagnostic mobile devices **iQ-WEB2GO**).

# — iQ-WEB RIS and iQ-RIS

iQ-WEB RIS and iQ-RIS are flexible, modular and highly-customizable Radiology Information Systems that are designed to meet the needs of any radiology department from the smallest imaging center to the largest multi-site, multimodality hospital groups.

## **iQ-WEB RIS**

iQ-WEB RIS is a web-based radiology information system which provides flexible RIS access from anywhere to an unlimited number of users.

It includes a number of valuable features to efficiently manage the radiology workflow, such as a user-friendly calendar, a consistent electronic medical record system or a DICOM Modality Worklist provider to accelerate the radiology workflow.

## **iQ-RIS**

iQ-RIS offers tools for all procedures in imaging centers such as patient registration, multimodality and multi-site workflow management, study documentation, reporting and billing. Users can manage their devices, modalities, procedures and services and can receive statistics.

iQ-RIS comes with a comprehensive calendar to manage schedules and tasks, as well as to optimize the workflow. Doctors may dictate reports, use voice recognition systems in many languages or take advantage of the innovative report assistant. To customize individual features, the following modules may be added:

## **iQ-RIS REPORTING/DICTATION**

DICOM structured reports/electronic dictation and transcription of reports

## **iQ-VOICE**

Automatic speech recognition and transcription of reports

## **iQ-RIS VIEWER INTERFACE**

Interface for a selected DICOM viewer

## **iQ-RIS HL7 CONNECTORS**

Integration with existing information systems like HIS and PACS for shared access to information

## **iQ-RIS BILLING**

Billing of medical procedures to insurance companies or to health service providers



# iQ-4CLOUD

## PACS. PORTAL. TELERADIOLOGY



### Cost-effective

iQ-4CLOUD requires no expensive investment in software and hardware. Our simple and transparent payment plan allows for easy budgeting.



### Scalable

iQ-4CLOUD can be flexibly tailored to your needs and easily grow along with the requirements of your medical facility.



### Effortless

iQ-4CLOUD provides freedom from the hassle of IT maintenance reducing costs and responsibilities.



### Secure

iQ-4CLOUD ensures secure and HIPAA/GDPR compliant image access anytime and anywhere. Data is available 24/7 including offsite backup.

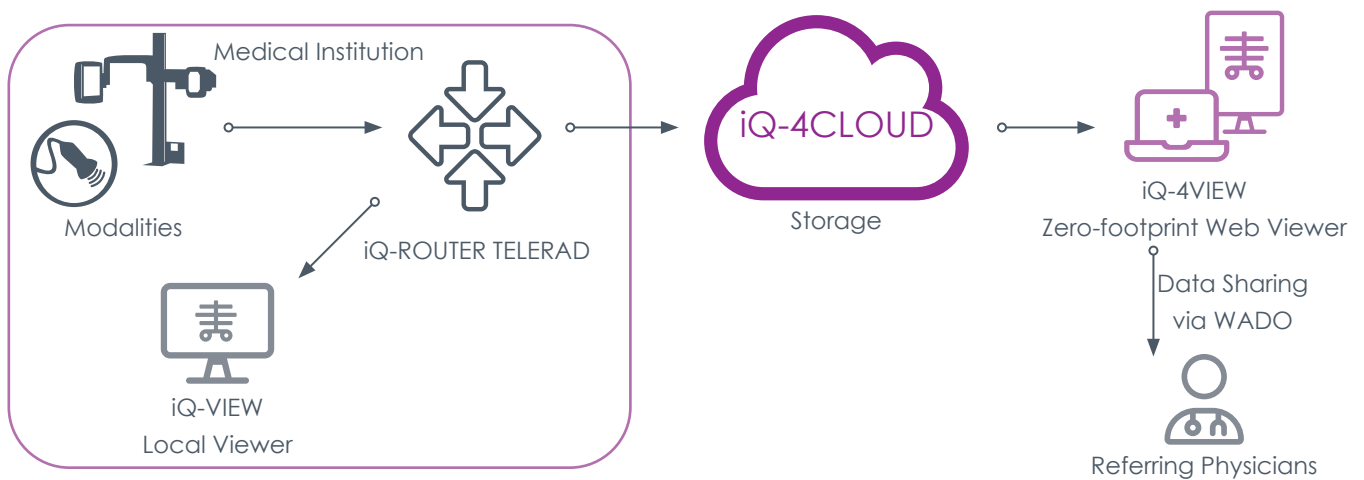


### Reliable

Offsite data storage guarantees constant productivity from anywhere.

[www.iQ4CLOUD.com](http://www.iQ4CLOUD.com)

## Local cloud setup



# 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. For product details, please see the corresponding brochures and instructions for use.

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

# Our Solutions FOR YOUR IMAGING NEEDS



Hospitals



Imaging Centers



Doctor's Offices &  
Urgent Care



Teleradiology



Multisite & VNA



Veterinarians



Education &  
Research



Radiotherapy



IMAGE Information Systems  
Europe GmbH  
Lange Str. 16 – 18055 Rostock  
Germany  
☎ +49 381 496 58 20  
☎ +49 381 496 58 29 9  
✉ info@image-systems.biz

IMAGE Information Systems  
North America LP  
13000 S. Tryon Street  
Ste F. 143  
Charlotte, NC 28278 – USA  
☎ +1 470 300 44 80

RADiQ IMAGE Information Systems  
Pvt. Ltd.  
Martin Burn Business Park #906  
Salt Lake City, Sector V,  
Kolkata – 700091 – West Bengal, India  
☎ +91 700 375 0560