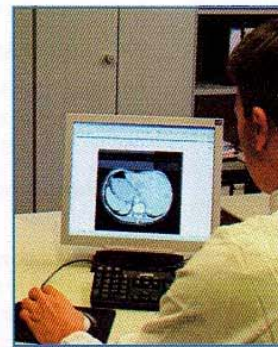
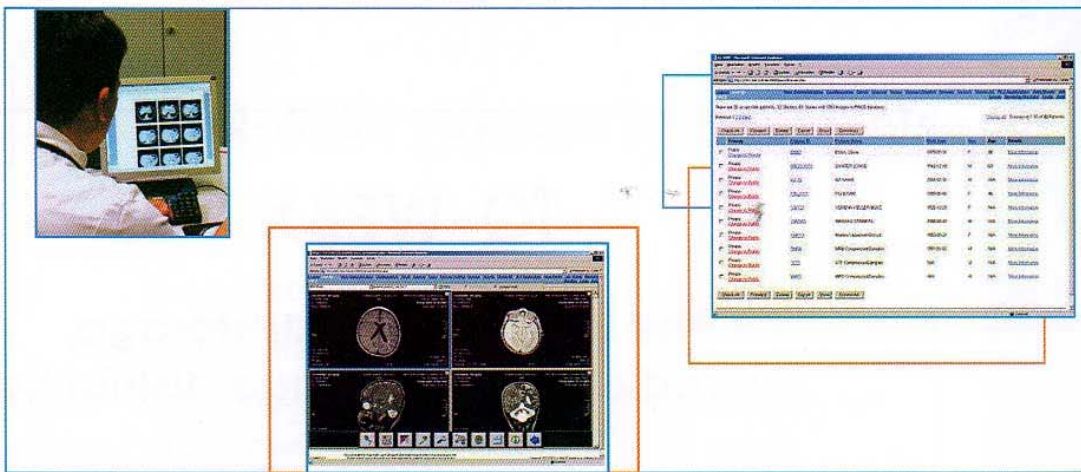


iQ-WEBX

**The PACS server for storage,
teleradiology and image distribution**





The iQ-WEB server is a DICOM 3.0 compliant Picture Archiving and Communication System (PACS) without limitations in the number of concurrent users.

It combines a fast DICOM archive and a web-based viewing and managing interface in one system. It is possible to connect the system to any DICOM 3.0 compliant imaging modality.

iQ-WEB is available in four alternative variants, depending on the maximum number of DICOM modalities that can be connected and the availability of the iQ-X web viewer – iQ-WEB 10 with 10 AEs, iQ-WEBX 10 with 10 AEs and iQ-X, iQ-WEBX 20 with 20 AEs and iQ-X and iQ-WEBX with an unlimited number of DICOM nodes and the iQ-X web viewer.

The iQ-WEB server consists of:

DICOM Server: This program runs as a service and waits for the input modalities to receive DICOM data. It is used for servicing requests for image storage, query and retrieval, forwarding, printing and DICOM-formatted media interchange through import and export functions.

Archive Server: It stores up to 500 million images on any local, server or network attached storage devices. A second iQ-WEB server can be automatically synchronized to get failover.

Web Server: The web server is a very cost efficient way of distributing any medical images based on user management including authentication and encoding but without limitation in the number of users! It gives the opportunity to either look at whole studies in the web or query other DICOM archives.

iQ-X Web Viewer: Image processing with interactive center / window, measurements, stack mode, cine mode comparisons of studies with an iQ-VIEW like graphical user interface. Possibility to preload further series in the background while viewing.

Further features of the iQ-WEB server:

Web Based Administration: Allows the configuration and adaptation and surveillance of the system.

Privacy: The HIPAA compliant system enables referring physicians to log into the system to view their cases. But they will only be able to retrieve their own cases/patients, not those of other physicians. The radiologist, however, has access to the whole system.

The **Shared Archive** gives the possibility to share and/or divide imaging data compliant to data safety regulations.

Patient Reconciliation: All stored studies can be verified with a DICOM WORKLIST and optionally with HL7 messages and even automatically corrected in an IHE compatible way to get consistent image data in the archive.

DICOM Print: Images can be printed from any web client on a remote DICOM imager!



iQ-WEBX Features

	iQ-WEB 10	iQ-WEB X 10	iQ-WEB X 20	iQ-WEB X
Server				
Multiple parallel DICOM connections	✓	✓	✓	✓
Server instance monitoring	✓	✓	✓	✓
Statistics	✓	✓	✓	✓
Shared archive	✓	✓	✓	✓
Communication				
DICOM query/retrieve	✓	✓	✓	✓
DICOM PRINT client	✓	✓	✓	✓
DICOM WORKLIST client	✓	✓	✓	✓
Maximum number of DICOM nodes (AEs)	10	10	20	unlimited
Auto forward of data sets	✓	✓	✓	✓
HL7 interface	opt.	opt.	opt.	opt.
Automatic patient reconciliation	✓	✓	✓	✓
Web				
Automatic browser logout	✓	✓	✓	✓
Unlimited number of users or concurrent users	✓	✓	✓	✓
Display of virtually all kind of color/grayscale images	✓	✓	✓	✓
Display of structured reports	✓	✓	✓	✓
Query of external DICOM archives by web interface	✓	✓	✓	✓
Send images by web to DICOM destinations	✓	✓	✓	✓
File attachments to images or studies				
iQ-X Web Viewer (ActiveX plug-in)				
Background preload		✓	✓	✓
Comparison of multiple studies		✓	✓	✓
Full JPEG DICOM lossless/lossy support		✓	✓	✓
Center / window		✓	✓	✓
Stack mode / cine mode		✓	✓	✓
Measurements		✓	✓	✓
Color remapping		✓	✓	✓
Import				
Import of any DICOMDIR media	✓	✓	✓	✓
Directory import of DICOM data	✓	✓	✓	✓
Export				
DICOM export function	✓	✓	✓	✓
Database				
High water/low water deletion of the oldest studies	✓	✓	✓	✓
Automatic synchronization with other DICOM servers	✓	✓	✓	✓
Data Access Restrictions / User Rights Management				
Admin user	✓	✓	✓	✓
10 different privileges for each user / group settable	✓	✓	✓	✓
User access control	✓	✓	✓	✓
Service Package				
Software updates / upgrades	opt.	opt.	opt.	1 st year included
Languages				
English, German, Russian, Spanish				
Certification				
Certification as a medical device	CE 0482 / FDA 510(k)			



iQ-WEBX - System Requirements

	Minimum	Recommended
OS:	Windows 2000 Professional, Windows XP Professional (no Microsoft Server license necessary!)	Windows XP Professional or Windows 2003 Server
CPU:	Pentium III/IV CPU > 1 GHz	Pentium IV CPU > 2 GHz
Memory:	≥ 512 MB RAM	≥ 1024 MB RAM
HDD:	Empty hard disk space ≥ 20 GB	Big hard disk, RAID or hierarchical storage in dependence of the desired storage 120 GB...256 TB

Further Products:

iQ-VIEW/PRO	An intuitive DICOM image viewer
iQ-3D	Add-on module for 3D post-processing (MPR, MIP, SSD, VRT)
iQ-OrthoVIEW	Add-on module for orthopedic templating and trauma planning
iQ-NUC	Simple nuclear PACS integration
iQ-CAPTURE	Add-on module for capturing images from video sources
iQ-RIS	The integrated Radiology Information System
iQ-WORKLIST	DICOM worklist server optimizing your workflow
iQ-ROUTER/PRO	Image compression, compatibilization & separation of networks
iQ-PRINT	The DICOM paper print server
DICOMReader/PRO	Read any DICOM CD with your favorite DICOM viewer!

Ordering & Contact

<u>Address</u>	<u>Telephone/ Fax</u>	<u>Internet</u>
IMAGE Information Systems Ltd. Office 404, 4 th floor Albany House 324/326 Regent Street London, W1B 3HH United Kingdom	Phone UK: + 44 207 193 06 20 Fax UK: + 44 207 976 48 97 Phone GER: + 49 381 660 80 43 Fax GER: + 49 381 203 38 59 Phone US: + 1 202 747 09 57 + 1 213 985 35 20 Fax US: + 1 213 325 26 30	Email: info@image-systems.biz Web: www.image-systems.biz