



meddix WEB

*DICOM-SERVER FOR STORAGE,
TELERADIOLOGY AND IMAGE DISTRIBUTION*

MEDDIX-WEBX COMBINES A FAST DICOM ARCHIVE WITH A WEB-BASED VIEWING AND A MANAGING INTERFACE IN ONE SYSTEM

meddix-WEBX is a complete, easy-to-use and affordable solution for storage, viewing and distribution of any medical imaging studies and reports.

meddix-WEBX shows a completely renewed web interface design, which is extremely easy to use and allows for a well-arranged overview of all studies.

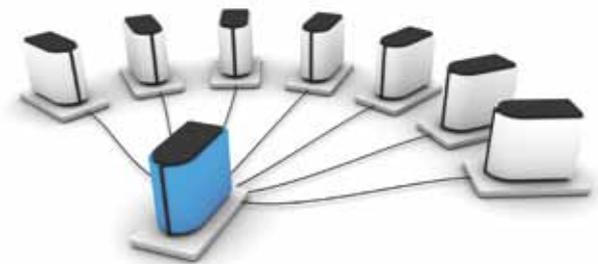
Being a complete solution, meddix-WEBX consists of several applications in only one package:

DICOM Server: This application enables the communication between the modalities and the Archive Server. It is therefore important for image storage, query and retrieval, forwarding, printing and DICOM-formatted media interchange by import and export functions.

Archive Server: It stores up to 500 million images in one database on a local or network attached storage device. A second meddix-WEBX server can be automatically synchronized in order to permanently ensure an up-to-date backup.

Web Server: This server allows the web-based distribution of any medical images and reports, based on efficient user management and secure authentication procedures, to an unlimited number of web users. It is even possible to query other DICOM archives. Thanks to the innovative feature EasyWEB, physicians maintain the overview of all studies. Therefore, they can now easily search and filter the database individually to quickly find the required studies.

meddix-X Web Viewer: This is a powerful plug-in for browsing, reading and processing DICOM images through every network. It provides an interactive diagnostic web viewer with all clinically required image processing features like: Measurements, stack mode, cine mode, comparison of studies. meddix-X allows the preloading of additional series in the background while concurrently viewing other images. The graphical user interface is based on the leading DICOM viewer meddix-VIEW.



Special features of the meddix-WEBX Server:

Licensing: Depending on the user's needs, meddix-WEBX is available in different configurations: It can be ordered with or without the meddix-X Web Viewer; in the second case it is labeled iQ-WEB. There are several packages available depending on the DICOM nodes to be connected; it comes in packages supporting 2, 5, 10, 20 or even an unlimited number of DICOM nodes (Application Entities).

Web-Based Administration: Allows a proper configuration, adaptation and quality monitoring of the system.

Privacy: iQ-WEBX is a HIPAA compliant system. Referring physicians may log into the system to review only their own cases. The chief radiologist, of course, has access to the entire patient database. By using the Shared Archive feature, it is possible to share imaging data among physicians, in compliance with strict privacy regulations.

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

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

Email Notification: Once a new study or report is ready for viewing, the referring physician is being alerted automatically via email or SMS (*only possible by using a 3rd party mail2SMS gateway service with additional costs).



meddix-WEB can store and display virtually any type of grayscale and color, cine and still image as well as reports.



The ActiveX viewing plug-in will be automatically installed during the first call of images and gives the viewing physician easy-to-use interactive image processing tools with diagnostic quality.



The meddix-WEB study browser provides easy and fast access to all studies for reading, requesting and referring physicians.



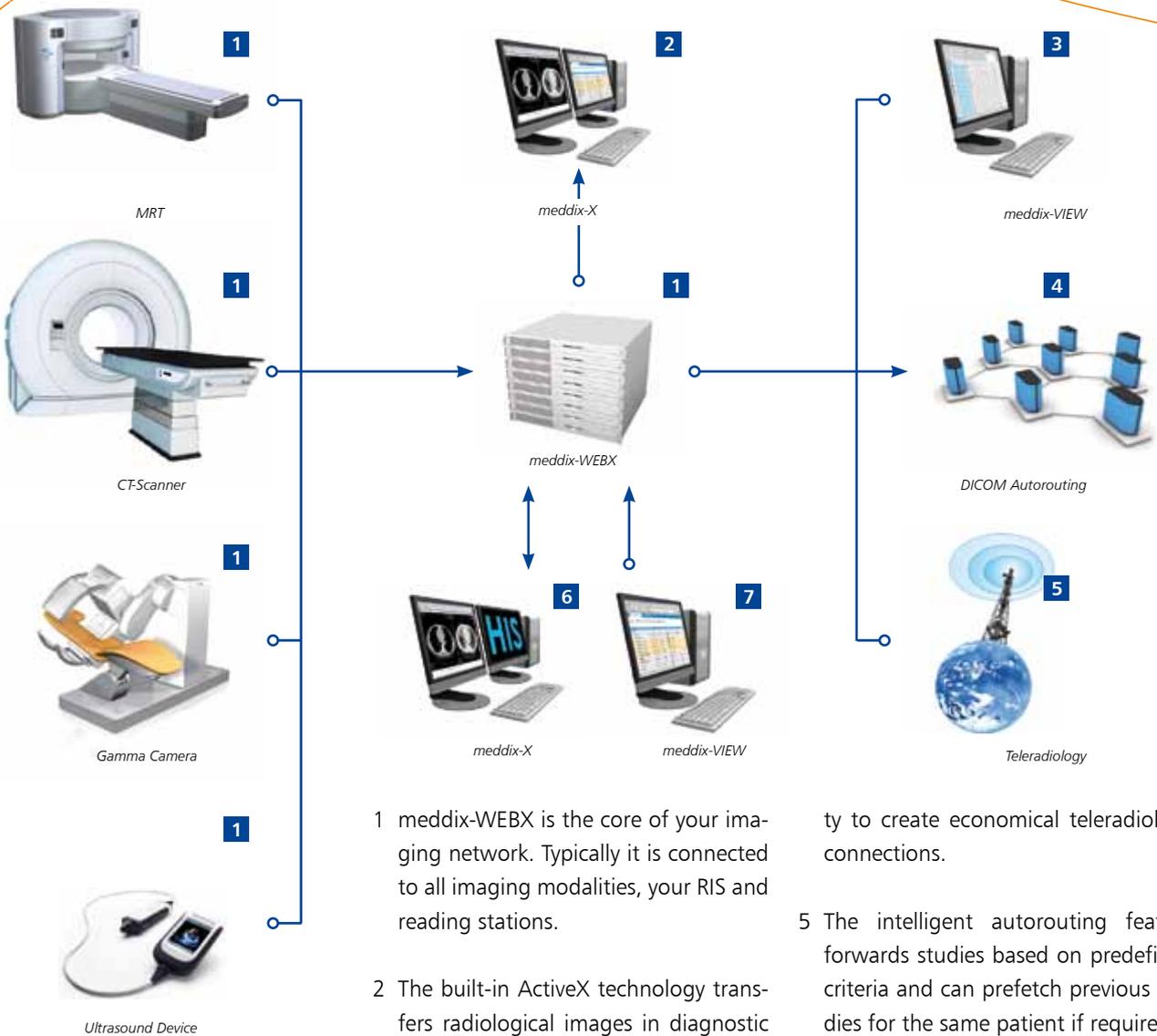
Users may annotate images or studies with individual texts and keywords to create teaching cases within the PACS.



meddix-WEB logs any action of the system in compliance with HIPAA regulations.



The optional report manager provides the necessary tools for creating web-based DICOM structured reports.



- 1 meddix-WEBX is the core of your imaging network. Typically it is connected to all imaging modalities, your RIS and reading stations.
- 2 The built-in ActiveX technology transfers radiological images in diagnostic quality to web viewer clients.
- 3 Reading stations from any manufacturer can be connected directly to meddix-WEBX using the DICOM standard.
- 4 Using high efficient built-in data compression, there is the opportunity

to create economical teleradiology connections.

- 5 The intelligent autorouting feature forwards studies based on predefined criteria and can prefetch previous studies for the same patient if required.
- 6 Reports can be received directly from hospital information systems via the optional HL7 module and stored in meddix-WEB.
- 7 Fully automatic patient reconciliation can be done with any hospital information system via HL7.

SERVER

- Server instance monitoring
- Statistics
- Shared archive

COMMUNICATION

- DICOM query/retrieve
- DICOM PRINT client and DICOM WORKLIST client
- Rule based Auto forward of data sets
- HL7 interface (option)
- WADO (web access to DICOM objects) (option)
- Automatic patient reconciliation via HL7
- Email notification when new study has arrived
- Sending images as JPEG via email

WEB

- Unlimited number of users and concurrent users by default
- [Access portal for referring physicians and patients \(NEW\)*](#)
- User-friendly web interface
- Display of all color/grayscale images
- Display of structured reports
- Web based query of external DICOM archives
- Web based transfer of images to DICOM destinations
- File attachments to images or studies

IMPORT

- Web based import of any DICOMDIR media

EXPORT

- DICOM export function

DATABASE

- High water/low water deletion of the oldest studies
- Automatic synchronization with other DICOM servers
- Configurable overflow management (high water/low water, study date, custom settings)
- Stores up to 500 million images

DATA ACCESS RESTRICTIONS/ USER RIGHTS MANAGEMENT

- 12 different privilege settings for each user/group
- User access control

SERVICE PACKAGE

- Software updates/upgrades optional

LANGUAGES

- English, French, German, Russian, Spanish, Japanese

CERTIFICATION

- CE 0482 and FDA 510 (k), JPAL in preparation

LICENSING

- Available for 2, 5 or 10 DICOM nodes

*Subject to properly filled DICOM data

SYSTEM REQUIREMENTS

	SERVER MINIMUM	SERVER RECOM	CLIENT MINIMUM	CLIENT RECOM.
OS:	Windows XP SP 2	Windows XP SP3, Server 2003 SP1	Virtually every OS with Internet Explorer 5	Windows XP SP 2 mit Internet Explorer 7
CPU:	Pentium, 1 GHz	Pentium, 2 GHz	Pentium, 1 GHz	Pentium, 2 GHz
RAM:	512 MB	1 GB	64 MB	1 GB
HDD:	20 GB	RAID/NAS/SAN 120 GB ... 256 TB	5 GB	20 GB
Network:	10 Mbit/s	100 Mbit/s, 1 Gbit/s	128 kbit/s	100 Mbit/s
Graphics:			16 bit color, 8 bit gray	32 bit color, 8 bit gray
Display:			1024 x 768 Pixel	1280 x 1024 Pixel
Database:	MySQL 5.x	MySQL 5.1		
Peripherals:				Scroll mouse



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