



FCRView™

Image Management Workstation v.2.1

Application

FCRView is a complete image management workstation that provides users with a complete set of tools to acquire, process, view and archive images all from one workstation. It has been designed to accommodate the imaging needs of low to mid volume private practice facilities.

FCRView Server

Image Acquisition

The FCRView enables users to acquire images from a Fujifilm computed radiography system (FCR Prima, FCR XC-1, XC-2, FCR XL-1 and XL-2) using Fujifilm's seventy years' experience in image acquisition and processing. Customized menu sets are provided according to practice specialties. Patient registration is input manually or via DICOM worklist and can also be performed by a remote workstation other than the FCRView server PC (Client option).

Features:

- Customized anatomical menu sets
- Rapid image preview display
- Advanced re-processing functionality
- Remote patient registration or scheduling (with FCRView Client workstation; option)
- Flip and rotate from the image preview screen
- MFP (Multi Frequency Processing) selectively applies varying degrees of edge enhancement for improved image quality
- FNC (Flexible Noise Control) selectively reduces noise levels without loss of image sharpness
- GPR (Grid Pattern Removal) automatically detects grid patterns, then uses a two-dimensional technique to remove appearance of a moiré pattern
- Security and user restriction features to enable technologist log in and log out
- Import ultrasound images (option)
- Import general purpose images such as jpeg to associate with study

- Import patient database stored in CSV format
- Import DICOM files
- MWM (Modality Worklist Management) provides access to both patient and study information (option)
- DICOM MPPS (Modality Performed Procedure Step) sends the status of information sent between the workstation and a PACS (option)

DICOM Image Viewer

The FCRView incorporates a sophisticated DICOM Image Viewer that allows users to view their DICOM images either from the main FCRView server or a remote FCRView Client workstation (option). The DICOM Image Viewer contains a series of tools that allow for image manipulation, annotation and different image presentations.

Features:

- Window, level
- Pan
- Mag and Zoom
- Image comparison display
- Measurement tools: Straight lines or angles including obtuse, dual, Cobb and CTR (Cardio Thoracic Ratio)
- Dynamic measurement display
- Invert
- Flip, rotate
- Display up to 24 images on one screen
- Free layout print
- Customizable toolbar setting based on user preference
- Reset images to original state
- Re-process images from the image viewer
- Annotations: Text, ROI, square
- Annotation Markers

Archive

FCRView allows for images to be archived and distributed using several methods.

- Images are automatically moved to the NAS from the local hard drive upon image verification.

- Images can be archived in the NAS in substitution for DVD media.
- Images can be sent to CD with incorporated DICOM Viewer with auto run
- Storage Disk: images obtained through studies are stored onto DVD for image management. Automatic reminders can be set up to perform this task
- Work Disk: enables DICOM images to be sent to DVD for transfer to other institutions
- Output images as jpeg, bmp or DICOM for use in presentations and other purposes
- DICOM Print connectivity to any DICOM Printer (option)
- Print to paper
- DICOM Store allows for images to be sent to other DICOM destinations
- Query and search the database by using keywords or customize to your search criteria

FCRView Client Workstation

The FCRView Server can support up to four (4) additional FCRView Client workstations. The FCRView Client is designed to perform all of the functions as the server with the exception of image capture and archive. The FCRView Client workstation software can be installed on existing PCs provided they meet the minimum requirements as stated in this data sheet and the existing monitor can be shared with the FCRView Client using the KVM switch. The FCRView Clients streamline workflow by allowing users to schedule patients and review images on remote PCs.

* Available with Version 4.0 and later

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Hardware Specifications (minimum)

FCRView Server

- PC main CPU (desktop platform)
 - Intel Pentium DualCore E8400/3.0GHz
 - Windows 7 Professional (32 bit)
 - 4GB RAM
 - 4x 250 GB SATA 3.0Gb/s RAID 5 HDD
 - 16x DVD+/-RW Drive, SATA
 - Keyboard and mouse

Display Monitor

- 24" color flat panel 1920x1200
- Luminance: 400 cd/ m²
- Aspect Ratio: 16:10
- Viewing angle:178°/178°
- Technology via DVI connector
- Vesa mount compatible

FCRView Client

- PC main CPU (desktop platform)
 - Intel Core 2 Duo E7500 2.93GHz
 - Windows 7 Professional (32 bit)
 - DDR3-SDRAM 2 GB
 - 250 GB HDD (serial ATA, 7,200 rpm)
 - DVD+/-RW Drive
 - Keyboard and mouse
 - KVM Switch

Display Monitor (for client use)

- Resolutions:
 - 1280x1024
 - 1600x1200
 - 1920x1200

Image Storage Performance

Hard Disk:

700GB storage capacity (approx.)

Image Size	14x17"	14x14"
Number of Images	43,750	50,000

NAS: 1TB storage capacity (approx.)

Image Size	14x17"	14x14"
Number of Images	62,500	71,428

DVD+/-RW:4.7GB storage capacity

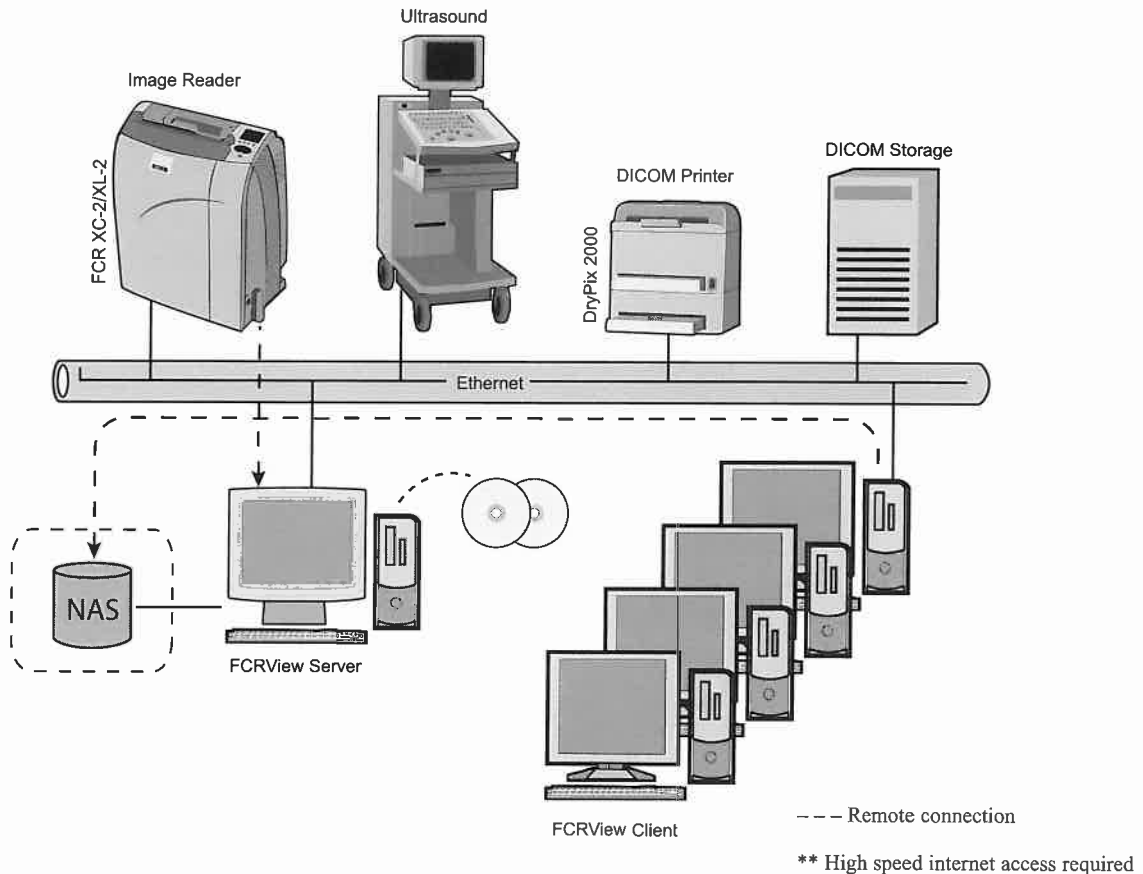
FCR Image storage (approx.)

Image Category	Reading Density	Compression Status	Number of Images
CR	Standard	Uncompressed	650
		JPEG Lossless	1300
	High	Uncompressed	200
		JPEG Lossless	400

DVD+/-RW:4.7GB storage capacity

Other Image storage (approx.)

Image Category	Image Size	Number of Images (Studies)
Ultrasound	640x480	27,600 (2,300)
JPG/BMP	640x480	27,600 (4,600)
JPG/BMP	1600x1200	4,380 (730 studies)



Specifications subject to change without notice

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