



FCRView™

Image Management Workstation

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 XC-1 and XC-2 and 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 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)
- Intuitive user interface allows for registration using standard keyboard or touch screen monitor
- 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

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 allows for image manipulation, annotation* and different image presentations.

Features:

- Window, level
- Pan
- Mag and Zoom
- Image comparison display
- Measurement tools: Straight line or Angles
- Invert
- Display up to 24 images on one screen
- Customizable toolbar setting based on user preference
- CTR (Cardio Thoracic Ratio) measurement tool
- 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.

- Studies can be sent to CD with incorporated DICOM Viewer
- 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
- 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 DVD archiving and image capture. The FCRView Client workstation software can be installed on existing PC's provided they meet the minimum requirements as stated in this data sheet. The FCRView Clients streamline workflow by allowing users to schedule patients, and view images for review on remote PC's.

* Available with Version 4.0 and later

Hardware Specifications (minimum)

FCRView Server

PC main CPU (desktop platform)

- Intel Pentium DualCore 1.8GHz
- 2 GB RAM
- 250 GB HDD
- DVD+/-RW Drive
- Keyboard and mouse

Display Monitor

- 19" TFT LCD with touch screen flat-panel 1280x1024
- 16.7 million colors
- Luminance: 185 cd/m² typical (300 cd/m² max)
- Response time: 25 msec
- Contrast Ratio: 700:1
- Viewing angle 170°x170°
- Sealed touch screen - ©Intellitouch Technology via serial or USB compatible interface
- 100mm M4 Vesa mount compatible

FCRView Client

PC main CPU (desktop platform)

- Intel Pentium DualCore 1.8GHz
- 2 GB RAM
- 250 GB HDD
- DVD+/-RW Drive
- Keyboard and mouse

Display Monitor

- 20.1" LCD flat panel 1600x1200
- 16.7 million colors
- Luminance: 300 cd/m²
- Contrast Ratio: 800:1
- Viewing angle 178°x178°
- 100mm M4 Vesa mount compatible

Image Storage Performance

Hard Disk: 240GB storage capacity (approx.)

Image Size	14x17"	14x14"
Number of Image	15,000	17,000

DVD+/-RW: 4.7GB storage capacity

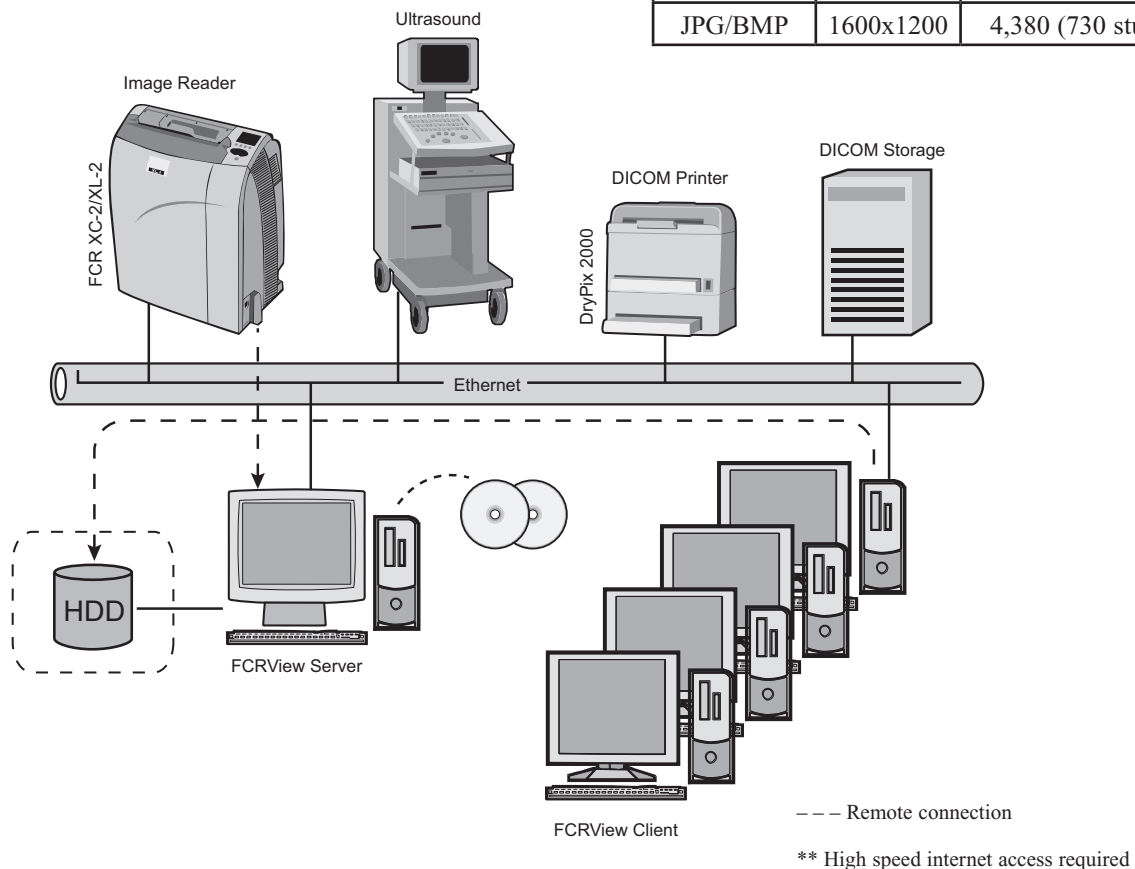
FCR Image storage (approx.)

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 Storable 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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