



Enhancing Radiology

Offering digital and conventional X-ray solutions

Medical Digital X-ray U-Arm System: Clearvision DR 2000

Features

Specifications

Acquisition Software

Viewing Software

The ClearVision DR2000 is a complete DR solution with a floor mounted, multi-axis positioning device.



Features:

A CCD is a way of reading images developed in the late 60s and brought to mass-production by Sony in the mid 1980's for their digital camcorders. Their high speed, small size and high reliability have made them the leading choice for digital cameras of all kinds. The CCD itself is actually a very small chip located in the base of your detector. Inside, the front end of the ClearVision DR CCD detector would look familiar to anyone who has worked with x-ray film.

A high-resolution grid designed by JPI and a CsI (Cesium Iodide) scintillator many times brighter than the screens found in film cassettes turns the x-ray image into a sharp picture in bright green light. Several large lenses then turn and focus this image onto the CCD chip in the detector's base. Once captured, the image is processed and display almost instantly on the screen of the acquisition computer. This is an excellent complete medical digital xray system.

Reliable	Built on CCD (Charged-Coupled Device) technology, the most reliable and dependable available detector in the market.
Durable	Compared to other digital technologies, the ClearVision DR has no internal moving parts and no consumable image plates. All electronics in the ClearVision DR are lead protected and can be replaced without buying an entirely new detector.
Fast	View your x-ray images in seconds
Low Dose	Get high quality images with low doses thanks to top quality Csi scintillators and anti-scatter grids custom designed and manufactured by JPI.



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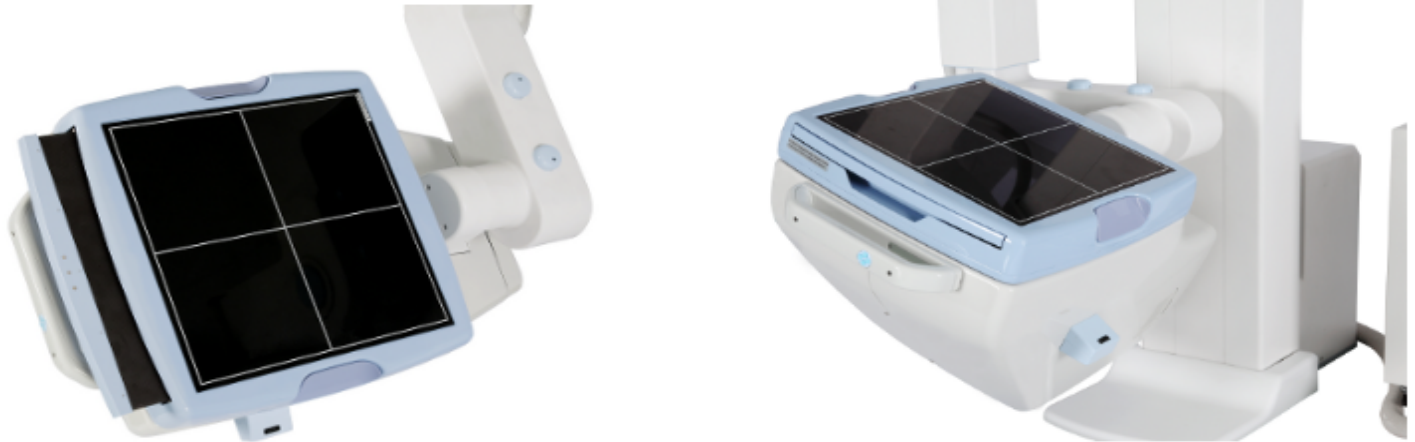
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Detector Specifications



Choose between 9 or 16 megapixel detectors	
ClearVision DR2000 9M CCD Detector	ClearVison DR2000 16M CCD Detector
9 Megapixel camera	16 Megapixel camera
Csi Cesium iodide scintillator	CsI (Cesium Iodide) Scintillator
3k x3k pixel image	4k x 4k pixel image
3.5 lp/mm spatial frequency	4.6 lp/mm spatial frequency
Full field, single lense coupled DR	Full Field, Single Lens Coupled DR
17" x17" active area	17" x 17" Active Area
14bit depth	14bit depth
JPI Custom grid (40" focal distance)	JPI Custom grid (40" focal distance)
Generator interface board	Generator Interface Board
External power supply	External power supply



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QXvue is a professional software for digital x-ray image manipulation, viewing and storage

This software is fully compatible with DICOM 3.0 standard, adopted by most commercial PACS systems. With this acquisition software, you can easily acquire and manipulate x-ray images that allow you to make diagnosis and see more patients.

Software Features

- Pre-register patient and create worklist for future exams
- Shortened registration process for urgent, unexpected exams
- Stitching function
- All standard viewing and annotation tools including magnifying glass, window level, rotation and flipping, measurements, angles, region of interest, and text annotations
- DICOM 3.0 compliant
- Store, print or backup to other media (CD/DVD and external USB storage or PACS)

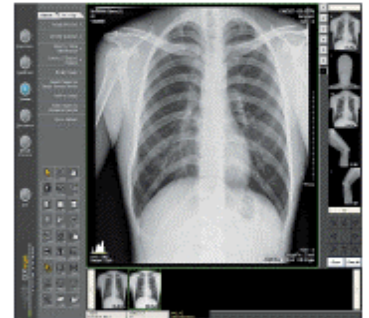


Image Processing

- Pre-programmed anatomical image processing, customizable to your preferences
- One-click application of your preferred image processing parameters
- Automatically apply image processing algorithms including: sharpening, denoising, contrast enhancement, gain correction, collimation and region of interest
- Always keep and have access to your raw images
- Export and import image processing parameters from other users



Clicking the 3D button

will open the 3D viewer



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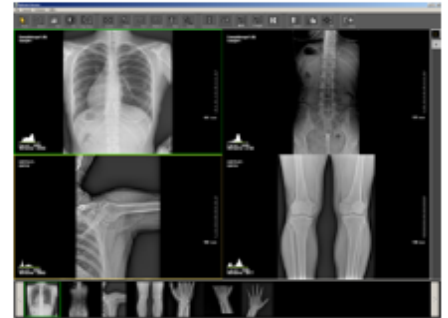
Viewing Software

QXLink is a Mini-PACS solution specifically designed for small and medium size clinics.

This software is an easy to use program which can be quickly adopted by your existing local area network (LAN). Your studies and images are instantly accessed over the network from the central QXLink Server. With QXLink Viewer you can even access your precious digital medical images from home, or anywhere in the world.

Software Features

- One QXLink Server license comes with the standard package
- QXLink Viewers do not require any licenses
- DICOM images are hosted on the server and accessed by the viewer
- The viewers are easily installed on existing computers in the clinic
- All standard annotation tools same as in QXVue
- Does not require a "special" computer or monitor
- Print to DICOM or Paper printer
- Burn studies and images to CD / DVD
- FDA Approved



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