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.

<table>
<thead>
<tr>
<th>Reliable</th>
<th>Built on CCD (Charged-Coupled Device) technology, the most reliable and dependable available detector in the market.</th>
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<tbody>
<tr>
<td>Durable</td>
<td>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.</td>
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<tr>
<td>Fast</td>
<td>View your x-ray images in seconds</td>
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<tr>
<td>Low Dose</td>
<td>Get high quality images with low doses thanks to top quality CsI scintillators and anti-scatter grids custom designed and manufactured by JPI.</td>
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Detector Specifications

Choose between 9 or 16 megapixel detectors

<table>
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<tr>
<th>ClearVision DR2000 9M CCD Detector</th>
<th>ClearVision DR2000 16M CCD Detector</th>
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<tbody>
<tr>
<td>9 Megapixel camera</td>
<td>16 Megapixel camera</td>
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<tr>
<td>CsI Cesium iodide scintillator</td>
<td>CsI (Cesium Iodide) Scintillator</td>
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<tr>
<td>3k x3k pixel image</td>
<td>4k x 4k pixel image</td>
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<tr>
<td>3.5 lp/mm spatial frequency</td>
<td>4.6 lp/mm spatial frequency</td>
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<tr>
<td>Full field, single lens coupled DR</td>
<td>Full Field, Single Lens Coupled DR</td>
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<tr>
<td>17&quot; x17&quot; active area</td>
<td>17&quot; x 17&quot; Active Area</td>
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<tr>
<td>14bit depth</td>
<td>14bit depth</td>
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<tr>
<td>JPI Custom grid (40° focal distance)</td>
<td>JPI Custom grid (40° focal distance)</td>
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<tr>
<td>Generator interface board</td>
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<tr>
<td>External power supply</td>
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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 test 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
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Features Specifications Acquisition Software Viewing Software

QXLlink 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 QXLlink Server. With QXLlink Viewer you can even access your precious digital medical images from home, or anywhere in the world.

Software Features

- One QXLlink Server license comes with the standard package
- QXLlink 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

This brochure was put together by A Walsh Imaging
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