

Item No.	Qty.	Description
1	1	<p>Definium 5000 U-Arm</p> <p>Definium 5000 is a floor mounted U-Arm positioner combined with the GE Healthcare Cesium Iodide flat panel detector.</p> <p>U-Arm</p> <ul style="list-style-type: none"><li>Motorized U-arm - Variable SID with auto positions at 40" &amp; 72" (100 and 180 cm).</li><li>U-Arm rotation of +120/- 30 degrees.</li><li>Motorized Flat Panel Detector angle of +/- 45 degrees.</li><li>Focus to floor distance of 16.73 to 49.8 in (42.5 to 126 cm) with digital display.</li><li>Three field Ionization Chamber with AEC.</li></ul> <p>Grids (2) 70 line, 13:1 focused to 100 and 180 cm.</p> <p>X-Ray tube - degree angle, 150 kVp, 400 kHU, 0.6/1.2mm focus (40/102 kW).</p> <p>Control Room Console with gantry movements &amp; collimation.</p> <p>Generator:</p> <ul style="list-style-type: none"><li>65kW High Frequency.</li><li>100 kVp @ 650 mA.</li><li>kVp range 40 - 150 mA range of 10 - 650.</li><li>Exposure time 1ms to 2 sec.</li><li>mAs range 0.1 - 520 mAs in manual mode; 0.1 - 512 mAs in AEC mode.</li></ul> <p>Digital Processor and console</p> <p>Workstation Specifications:</p> <ul style="list-style-type: none"><li>One flat touch screen 19 in. (46cm) monitor: 1280 x 1024.</li><li>Hard Disk Storage: &gt;3200 Image storage.</li><li>Preview image: &lt;4 sec.</li><li>Final conditioned image: &lt;7 sec.</li><li>Expose to expose time: &gt;= 9 sec.</li></ul> <p>Image Display Tools:</p> <ul style="list-style-type: none"><li>Window width and level.</li><li>Gray scale invert.</li><li>Interpolated zoom with roam.</li><li>Image flip and rotation.</li><li>UR markers.</li></ul>

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	<ul style="list-style-type: none"> <li>• Free text annotation.</li> <li>• Manual shuttering.</li> </ul>
	<p>Image Processing and Annotation Functions:</p> <p>Smart Windowing - automated, image-based, and technique-independent method of determining brightness and contrast for image display.</p> <p>Soft and Hard Tissue Equalization - algorithm to enhance contrast in under-penetrated or over-penetrated areas within the image for Image Annotation.</p> <p>Measurement tools:</p> <p>System text Annotations with configurable font size and display on/off of hospital, date, measurements, technique factors, patient data, worklist auto-refresh, et al.</p> <p>Intelligent Collimation Edge Detection (ICED) - algorithm relies solely on image information in order to locate any collimation edges present in an x-ray image.</p> <p>Detector Exposure Index (DEI) is a tool for tracking patient over/under-exposure by estimating radiation exposure behind the patient and is a relative measure of exposure to the detector; limits configurable and adaptable to preferred acquisition techniques.</p> <p>Workflow Features:</p> <ul style="list-style-type: none"> <li>• Copy Patient - allows user to copy patient images into a second patient entry.</li> <li>• Emergency patient feature.</li> <li>• Print preview function.</li> <li>• "Patient Directory" - fast access to image and exam database for case review &amp; file management.</li> <li>• Multi-format printing - 1:1, 2:1 (horizontal and vertical if printer supports) and 4:1.</li> <li>• Read/Write CD-RW for image exchange medium; DICOM Viewer included.</li> <li>• Default protocols allow quick selection of the appropriate techniques for common procedures/exams</li> </ul> <p>Networking:</p> <p>Images may be transmitted manually or automatically through the DICOM interface to printers, archival devices, servers, or review workstations.</p> <p>Please refer to the DICOM Conformance Statement for complete definition of supported DICOM connectivity services.</p> <p>Network Specifications:</p> <ul style="list-style-type: none"> <li>• IHE Compliance for Scheduled Workflow Integration Profile.</li> <li>• DICOM 3.0 Services - DX or CR, SCU, SCP (DX only).</li> </ul>

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		<ul style="list-style-type: none"> <li>DICOM Query/Retrieve, SCU (images from PACS).</li> <li>DICOM Modality Worklist,for HIS/RIS SCU (with programmable auto refresh).</li> <li>DICOM Grayscale Print - manual and auto (with print layout options at the console).</li> <li>DICOM CD-R Media Media Exchange (DX only).</li> <li>DICOM feedback to HIS/RIS SPS PPS - MPPS.</li> <li>HIPAA Compliance -system Access and Authorization Control.</li> </ul> <p>Minimum Printer Requirements:</p> <p>10 and 12-bit printers (Non-DICOM laser camera connectivity requires DICOM upgrade). GE Healthnet Services (North America) can provide physical network connectivity solutions - Layer 1 and 2 Ethernet.</p> <p>(IEEE 802.3) interoperability - and include network components and physical installation. ILinqy remote system diagnostic service support is available through the GE On-line Center and does not require on-site service personnel.</p> <p>Digital Detector:</p> <ul style="list-style-type: none"> <li>Amorphous silicon, cesium iodide-based detector.</li> <li>High DQE of 65% at zero line pairs at RAQ5.</li> <li>Detector size: 41 cm x 41 cm (16 x 16 in.) using an active area of 40.44 x 40.44 CM.</li> <li>Detector matrix: 2048 x 2048 using an active matrix of 2022x2022.</li> </ul> <p>Generator Power (no-charge select) 480V,3 phase.</p> <p>Note: does not include DAP meter for dose monitoring which is not upgradeable in the field</p>
2	1	<p>Table - Fixed Height Laminated Top</p> <p>Table - Fixed height Laminated Top</p> <ul style="list-style-type: none"> <li>Table top 25.6 x 78.7 in (65 x 200 cm)</li> <li>Useful imaging area 74 x 78.7 in (188 x 200 cm)</li> <li>Table top height from the floor 27.55 in (70 cm )</li> <li>Table weight 101 lbs. (40kg)</li> <li>Patient weight 440 Lbs (200kg)</li> </ul>
3	1	<p>Image Paste</p> <p>Image Paste</p>

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4	1	<ul style="list-style-type: none"> <li>Provides the ability to paste (or stitch) 2-6 contiguous images into one long image, e.g. scoliosis or long leg studies. Software automatically pastes (stitches) the images during the reconstruction phase. The operator has the flexibility of manually pasting (stitching) or adjusting the image overlap if the resulting paste (stitched) image is unsatisfactory.</li> <li>Includes the Patient Barrier, which helps support the patient remaining motionless, and safety protection when the U-arm is moved from image acquisition position to the next position. The Patient Barrier is positioned in pre-drilled holes in the floor for quick and proper alignment.</li> <li>Supports anatomies/view combinations of Spine Antero-posterior, Spine Postero-anterior, Spine Lateral, Leg Antero-posterior, Leg Postero-anterior.</li> <li>Includes a patient stand with screen to keep the patient comfortable during acquisition.</li> </ul> <p>Infrared Remote</p> <p>Infrared Remote</p> <p>U-arm function controls up to 10 ft (3 m) with 170 degree sweep. Functions supported:</p> <ul style="list-style-type: none"> <li>Collimator shutter control</li> <li>Collimator light</li> <li>"Move" button to initiate U-arm movement for pre-programmed settings</li> <li>Fast/Slow U-arm movement speed</li> <li>Automatic programmed position Vertical (PA)</li> <li>Automatic programmed position Horizontal (Lateral)</li> <li>Detector tilt in both direction</li> <li>U-arm vertical movement</li> <li>U-arm rotational movement</li> <li>SID adjustment</li> </ul>
5	1	<p>Automatic Collimator</p> <p>Automatic Collimator</p> <ul style="list-style-type: none"> <li>Automatic collimation sizing with PBL or manual adjustment (slow and fast movements)</li> <li>Digital display of the collimator field size</li> <li>Field of view light field</li> <li>Laser centering light</li> <li>Manual tape measure for non-detector imaging</li> </ul>

Item No. Qty		Description
6	1	X-ray Training, 4 Consecutive Days Onsite
		X-ray TiP Training, 4 Consecutive Days Onsite
		Four Days X-ray Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes TELL expenses. Days provided consecutively.
		This training program must be scheduled and completed within 12 months after the date of product delivery.
7	1	RAD only Seismic Anchorage System
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