

Item No.	Qty	Description
1	1	<p>Optima XR220amx</p> <p>Customer Loyalty Upgrade Optima XR220amx 30kW</p> <p>Customer Loyalty Upgrade</p> <p>Optima XR220amx Digital Mobile Radiographic system - with 30kW generator</p> <p>The Optima XR220amx is a self-contained battery operated mobile radiographic digital X-Ray imaging system designed for performing radiographic exams at the point of care</p> <p>Key Features</p> <ul style="list-style-type: none"><li>o 30kW generator</li><li>o Wireless Digital Detector with 6:1 removable grid, back-up tether, QAP (Quality Assurance Proceedure)</li><li>o Dose Area Product Meter (DAP)</li><li>o Capable of 100-240V nominal, 50/60 Hz operation</li><li>o Stand-by mode to eliminate boot up cycles and allow exposure within 25 seconds</li><li>o Exposures can be taken and processed while the unit is charging</li><li>o Detector battery charges automatically while while the detector is in the bin</li><li>o Optimized GUI - Technique, image acquisition and display tools in a single integrated user interface</li><li>o The detector can be used in additional wireless enabled GE radiographic systems: please refer to the current literature for system compatibility</li></ul> <p>Productivity</p>

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	<ul style="list-style-type: none"> <li>o Up to 1,200 w of power available to minimize charge time</li> <li>o System can be driven within 4 seconds of activation</li> <li>o Pre-programmed techniques per anatomy and patient size</li> <li>o Systems can be used without the detector</li> <li>o Modality Perform Procedure Step (MPPS; SPS/PPS configurable)</li> <li>o Automated and customizable image transfer to PACS and printers</li> <li>o Can reprocess images post acquisition and during an exam</li> <li>o Usage reporting tools by individuals and user groups</li> <li>o System Health dashboard for system status</li> <li>o Bin stores detector and grid</li> <li>o Built-in storage for cleaning wipes, gloves and lead apron</li> <li>o Self-propelled single drive handle control with variable speed of up to 5 km/h (3.1 mph on flat surfaces) forward and reverse to automatically adjusts to the operators pace</li> </ul>
	Wireless Digital Detector Specifications
	<ul style="list-style-type: none"> <li>o Detector battery can take up to 45 exposures per hour and provide enough power for 3 hours of use on a single charge</li> <li>o Single panel (non-tiled) amorphous silicon detector with a Cesium Iodide scintillator</li> <li>o Image area 40.4cm x 40.4cm (15.9in x 15.9in)</li> <li>o Active matrix 2022 x 2022 pixels</li> <li>o 8mb raw image file size</li> <li>o Pixel Pitch 200 microns</li> </ul>

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	<ul style="list-style-type: none"> <li>o Typical upper dynamic range 7.8mR</li> <li>o Typical DQE @ 0lp/mm: (68%)</li> <li>o Two handgrips</li> <li>o Dimensions: L 23.1in., H 17.8in.,</li> <li>o T 0.94in. (L 580mm, H 452mm, T 24mm)</li> <li>o Wireless point-to-point network between the system and detector for transferring image data</li> <li>– Communication over wide 500MHz channels to achieve very high data rates</li> <li>– Designed to co-exist with 802.11 networks without interference</li> <li>– Frequency: 3.1-10.6 GHz Max Power Output: -41.3 dBm</li> <li>– Max PHY Data rate: 480 Mbps</li> <li>– Effective Throughput: 30-70 Mbps</li> </ul> <p>Worklist can be retrieved from HIS/RIS systems and images can be transmitted through the DICOM interface to printers, archival devices (PACS) servers or review workstations</p> <li>o RJ45 10/100/1000 Base T Ethernet port</li> <p>Please refer to the DICOM conformance statement for complete definition of supported DICOM services.</p> <p>Generator</p> <ul style="list-style-type: none"> <li>o 300 mA maximum</li> <li>o kVp and mAs controls</li> <li>o Less than 2% low frequency ripple</li> <li>o Frequency: greater than 100 kHz, super resonant inverter with varying frequency</li> </ul> <p>X-ray Source</p> <ul style="list-style-type: none"> <li>o Nominal Tube Voltage (radiographic) - 150kV</li> <li>o Nominal Focal Spot size (IEC 60336)</li> </ul>

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		<ul style="list-style-type: none"> <li>– Large Focus - 1.3 mm</li> <li>– Small Focus - 0.6 mm</li> <li>o Anode Rotation Speed (minimal): 3200 min</li> <li>o Permanent Filtration: 0.9 mm A1/75 kV</li> <li>IEC60522: 1999</li> <li>o Maximum X-ray Tube Current</li> <li>– Large Focus: 500 mA</li> <li>– Small Focus: 200 mA</li> <li>o Maximum Continuous Heat Dissipation:</li> <li>Without Air-circulator: 170W (238 HU/s)</li> <li>Collimator</li> <li>A pair of independent collimator blades control the X-ray field</li> <li>o 180 lux (1000 Lumen/mt<sup>2</sup>) light field lamp</li> <li>o The collimator rotates plus and minus 180 degrees with detents at -180, -90, 0, +90 and +180 degrees</li> <li>o Full 43cm x 43cm (17 in.) coverage at a 100cm SID</li> <li>The column may be rotated up to plus or minus 270 degrees from the park position</li> <li>o Drive Inhibit keypad access</li> <li>o Password protected access to patient information for compliance with confidentiality regulations</li> <li>o Automatic safety brake: Operator must hold drive handle to allow system movement</li> <li>o Integrated front bumper stops unit and activates brakes when activated</li> </ul>
2	1	<p>Wireless Connectivity</p> <p>Wireless Connectivity for Optima XR220amx and Optima XR200amx</p>

Item No.	Qty	Description
		802.11 a/b/g n-compatible wireless connectivity to hospital network  Wi-Fi Certified  Compatible with: o 802.11i, Wi-Fi Protected Access 2 (WPA2), WPA  802.1X o AES - TKIP o 64-, 128-WEP o VPN: IPSec - IKE o Management Frame Protection (MFP) EAP Types: - LEAP - LEAP + 128-WEP - LEAP + WPA - EAP - TLS - EAP-TTLS/MSCHAPv2 - EAP-FAST - PEAP-GTC - PEAP/MSCHAPV2
3	1	Auto Protocol Assist  Auto Protocol Assist for Optima XR200amx and Optima XR220amx
4	1	Repeat/Reject Analysis  Repeat/Reject Analysis for Optima XR220amx/Upgraded Optima XR200amx
5	1	Sterile Protective Drapes - Detector Drape  Sterile Protective Drapes - Detector Drape