

REQUESTING SERVICE: LOGISTICS  
SHIP TO: WAREHOUSE/MARION  
V. A. Medical Center  
VA INDIANA HEALTH  
CARE SYSTEM- MARION DIV  
1700 E 38TH ST/B- 55  
MARION, IN 46953- 4589  
PO#: 610- B74007

Item No.	Qty	Description
1	2	<p><b>Optima XR220amx</b></p> <p>30KW US VA</p> <p>FIPS 140-2 Wireless Security - The Optima XR220 includes FIPS 140-2 validated cryptography module for secure wireless connection to the hospital network.</p> <ul style="list-style-type: none"><li>o DHCP &amp; static IP address are supported</li><li>o Authentication Methods: EAP TLS &amp; WPA2 PSK are supported</li></ul> <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</li></ul>

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		<p>system compatibility</p> <p>Productivity</p> <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 operator's pace</li> </ul> <p>Wireless Digital Detector Specifications</p> <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> </ul>

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		<ul style="list-style-type: none"> <li>o Pixel Pitch 200 microns</li> <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> <ul style="list-style-type: none"> <li>o RJ45 10/100/1000 Base T Ethernet port</li> </ul> <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</li> <li>control the X-ray field</li> <li>o 180 lux (1000 Lumen/mt2) light field lamp</li> <li>o The collimator rotates plus and minus 180</li> <li>degrees with detents at -180, -90, 0, +90</li> <li>and +180 degrees</li> <li>o Full 43cm x 43cm (17 in.) coverage</li> <li>at a 100cm SID</li> <li>The column may be rotated up to plus or minus</li> <li>270 degrees from the park position</li> <li>o Drive Inhibit keypad access</li> <li>o Password protected access to patient</li> <li>information for compliance with</li> <li>confidentiality regulations</li> <li>o Automatic safety brake: Operator must hold</li> <li>drive handle to allow system movement</li> <li>o Integrated front bumper stops unit and</li> <li>activates brakes when activated</li> <li>Please note: This product is subject to FCC</li> <li>rules and will comply with appropriate FCC rules</li> <li>applicable to WiFi enabled devices before</li> <li>delivery to the customer or distributor.</li> </ul>

Item No.	Qty	Description
2	2	<p>Wireless Connectivity</p> <p>Wireless Connectivity for Optima XR220amx and Optima XR200amx</p> <p>802.11 a/b/g n-compatible wireless connectivity to hospital network</p> <p>Wi-Fi Certified</p> <p>Compatible with:</p> <ul style="list-style-type: none"> <li>• 802.11i, Wi-Fi Protected Access 2 (WPA2), WPA 802.1X</li> <li>• AES - TKIP</li> <li>• 64-, 128-WEP</li> <li>• VPN: IPSec - IKE</li> <li>• Management Frame Protection (MFP) EAP Types: <ul style="list-style-type: none"> <li>- LEAP</li> <li>- LEAP + 128-WEP</li> <li>- LEAP + WPA</li> <li>- EAP - TLS</li> <li>- EAP-TTLS/MSCHAPv2</li> <li>- EAP-FAST</li> <li>- PEAP-GTC</li> <li>- PEAP/MSCHAPV2</li> </ul> </li> </ul>
3	2	<p>Auto Protocol Assist</p> <p>Auto Protocol Assist for Optima XR200amx, Optima XR220amx, and Optima XR240amx</p>
4	2	<p>Repeat/Reject Analysis</p> <p>Repeat/Reject Analysis for Optima XR220amx/Upgraded Optima XR200amx, and Optima XR240amx</p>
5	2	<p>Optima XR220amx Training: 3 Days Onsite</p> <p>Optima XR220amx Training: 3 Days Onsite (2 Days + 1 Day)</p> <p>One 2 day and one 1 day TiP onsite training visit for Optima XR220amx.</p> <p>Includes T&amp;L expenses. Days provided in two customer visits.</p> <p>This training program must be scheduled and completed within 12 months after the date of product delivery.</p>

## Options

Item No.	Description	
6	1	<p>OPTIMA XR220 AMX</p> <p>Optima XR220AMX, XR200AMX, &amp; Brivo XR285AMX Full Service Training (Class/Lab) (3 Days)</p> <p>This service training class covers all three mobile X-ray systems Optima XR220AMX, XR200AMX, and Brivo XR285AMX. Engineer must have completed XR Basic Service R0182RY &amp; R0181RY or equivalent experience before attending this course. This course must be taken within 2 years from the purchase date.</p>

Item No.	Qty	Description	Ext Sell Price
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9	1	OPTIMAXRAMX WIRELSSSVTRNG	
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