

Item No. Qty

Description

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Optima XR220amx Digital Mobile  
Radiographic system with Auto Protocol  
Assist and Repeat Reject Analysis  
system - 30kW generator

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

Key Features

- 30kW generator
- Wireless Digital Detector with 6:1  
removable grid, back-up tether,  
QAP (Quality Assurance  
Procedure)
- Dose Area Product Meter (DAP)
- Capable of 100-240V nominal,  
50/60 Hz operation
- Stand-by mode to eliminate boot  
up cycles and allow exposure  
within 25 seconds
- Exposures can be taken and  
processed while the unit is  
charging
- Detector battery charges  
automatically while the  
detector is in the bin
- Optimized GUI - Technique, image  
acquisition and display tools in a  
single integrated user interface
- The detector can be used in  
additional wireless enabled GE  
radiographic systems: please refer  
to the current literature for system  
compatibility

Productivity

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	<ul style="list-style-type: none"> <li>Up to 1,200 w of power available to minimize charge time</li> <li>System can be driven within 4 seconds of activation</li> <li>Pre-programmed techniques per anatomy and patient size</li> <li>Systems can be used without the detector</li> <li>Modality Perform Procedure Step (MPPS; SPS/PPS configurable)</li> <li>Automated and customizable image transfer to PACS and printers</li> <li>Can reprocess images post acquisition and during an exam</li> <li>Usage reporting tools by individuals and user groups</li> <li>System Health dashboard for system status</li> <li>Bin stores detector and grid</li> <li>Built-in storage for cleaning wipes, gloves and lead apron</li> <li>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>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>Single panel (non-tiled) amorphous silicon detector with a Cesium Iodide scintillator</li> <li>Image area 40.4cm x 40.4cm 3/9</li> </ul>

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(15.9in x 15.9in)

- Active matrix 2022 x 2022 pixels
- 8mb raw image file size
- Pixel Pitch 200 microns
- Typical upper dynamic range 7.8mR
- Typical DQE @ Olp/mm: (68%)
- Two ha ndg rips
- Dimensions: L 23.1in., H 17.8in., T 0.94in. (L 580mm, H 452mm, T 24mm)
- Wireless point-to-point network between the system and detector for transferring image data
  - Communication over wide 500MHz channels to achieve very high data rates
  - Designed to co-exist with 802.11 networks without interference
  - Frequency: 3.1-10.6 GHz  
Max Power Output: -41.3 dBm
  - Max PHY Data rate: 480 M bps
  - Effective Throughput: 30-70 Mbps 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
- RJ45 10/100/1000 Base T Ethernet port

Please refer to the DICOM conformance

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statement for complete definition of supported DICOM services.

Generator

- 300 mA maximum
- kVp and mAs controls
- Less than 2% low frequency ripple
- Frequency: greater than 100 kHz, super resonant inverter with varying frequency

X-ray Source

- Nominal Tube Voltage (radiographic) - 150kv
- Nominal Focal Spot size (IEC 60336)
  - Large Focus - 1.3 mm
  - Small Focus - 0.6 mm
- Anode Rotation Speed (minimal): 3200 min
- Permanent Filtration: 0.9 mm A1/75 kV IEC60522: 1999
- Maximum X-ray Tube Current
  - Large Focus: 500 mA
  - Small Focus: 200 mA
- Maximum Continuous Heat Dissipation: Without Air-circulator: 170W (238 HU/s)

Collimator

A pair of independent collimator blades control the X-ray field

- 180 lux (1000 Lumen/mt2) light field lamp
- The collimator rotates plus and minus 180 degrees with detents at -180, -90, 0, +90 and +180 degrees
- Full 43cm x 43cm (17 in.) coverage

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2	1	<p data-bbox="548 155 948 254">at a 100 cm SID The column may be rotated up to plus or minus 270 degrees from the park position</p> <ul data-bbox="500 275 948 684" style="list-style-type: none"> <li>• Drive Inhibit keypad access</li> <li>• Password protected access to patient information for compliance with confidentiality regulations</li> <li>• Automatic safety brake: Operator must hold drive handle to allow system movement</li> <li>• Integrated front bumper stops unit and activates brakes when activated</li> </ul> <p data-bbox="480 716 857 774">Auto Protocol Assist for Optima XR200amx and Optima XR220amx</p> <p data-bbox="480 800 857 898">Repeat/Reject Analysis for Optima XR220amx/Upgraded Optima XR200amx</p> <p data-bbox="480 909 876 968">Wireless Connectivity for Optima XR220amx and Optima XR200amx</p> <p data-bbox="480 989 862 1050">802.11 a/b/g n-compatible wireless connectivity to hospital network</p> <p data-bbox="480 1068 643 1096">Wi-Fi Certified</p> <p data-bbox="480 1136 667 1163">Compatible with:</p> <ul data-bbox="500 1171 980 1560" 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 data-bbox="565 1451 841 1560" style="list-style-type: none"> <li>– LEAP</li> <li>– LEAP + 128-WEP</li> <li>– LEAP + WPA</li> </ul> </li> </ul>

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		<ul style="list-style-type: none"> <li>- EAP - TLS</li> <li>- EAP-TTLS/MSCHAPv2</li> <li>- EAP-FAST</li> <li>- PEAP-GTC</li> <li>- PEAP/MSCHAPV2</li> </ul>
3	2	<p>Detector Battery</p> <p>Additional wireless DR detector battery</p>
4	1	<p>Optima XR220amx Training: 4 Days Onsite (3 Days + 1 Day)</p> <p>One 3 day and one 1 day TIP onsite training visit for Optima XR220amx.</p> <p>Includes TELL 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>
5	2	<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>
6	6	<p>Meals and Lodging Expense has been developed to allow the customer the convenience of prepaying for their meals and lodging expenses when</p>

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7	2	<p>attending Technical Service Training at the GE Healthcare Institute located in Waukesha, WI.</p> <p>The price of this convenience is based on a per day basis. Thus a quantity of 1 is equal to 1 day's meals and lodging expense. When purchasing the meals and lodging expense please be mindful of weekend days during the training stay and include 2 days to cover a weekend in the purchase quantity.</p> <p>Examples: A 5-day course needs a quantity of 5. Any course longer than 5 days should include 2 days to account for the weekend stay. Any course longer than 10 days will require an additional 4 days of the meals and lodging expense to cover the 2 weekends of the stay. Thus a 15-day course would have a quantity of 19 days to cover the 2 weekends of the stay. This expense must be used within 2 years from the purchase date.</p> <p>Three meals a day Monday thru Thursday, 2 meals on Friday, pluse breaks are provided in the onsite cafeteria. The GE Healthcare Institute cafeteria closes Friday after lunch and reopens Monday morning for breakfast. Weekend meals are the responsibility of the customer.</p> <p>Only for In-resident courses to be taken at the GE Healthcare Institute.</p> <p>The AIRFARE EXPENSE has been developed to allow the customer the convenience to prepay their roundtrip Airfare expenses when attending Technical Service Training at the GE</p>

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		<p>Healthcare Institute located in Waukesha, WI. To be used for engineers attending In-Resident Class/Lab courses for Diagnostic Imaging.</p> <p>Customer will make their Airfare arrangements thru the GE Travel Center. Specific directions will be provided to the customer upon confirmation of class. Please note that this expense must be used within 2 years of the purchase date</p>
8	1	OPTIMAXRAMX WIRELSSSVTRNG