

583-B40087

INDIANAPOLIS, IN.

Item No.	Qty	Catalog No.	Description
	1		Optima XR220amx-Indy VA Optima XR220amx
1	1	S2000SB	Optima XR220amx 30kW Optima XR220amx Digital Mobile Radiographic system - with 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 o 30kW generator o Wireless Digital Detector with 6:1 removable grid, back-up tether, QAP (Quality Assurance Proceedure) o Dose Area Product Meter (DAP) o Capable of 100-240V nominal, 50/60 Hz operation o Stand-by mode to eliminate boot up cycles and allow exposure within 25 seconds o Exposures can be taken and processed while the unit is charging o Detector battery charges automatically while while the detector is in the bin o Optimized GUI - Technique, image acquisition and display tools in a single integrated user interface o The detector can be used in additional wireless enabled GE radiographic systems: please refer to the current literature for system compatibility Productivity o Up to 1,200 w of power available to minimize

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			<p>charge time</p> <ul style="list-style-type: none"> o System can be driven within 4 seconds of activation o Pre-programmed techniques per anatomy and patient size o Systems can be used without the detector o Modality Perform Procedure Step (MPPS; SPS/PPS configurable) o Automated and customizable image transfer to PACS and printers o Can reprocess images post acquisition and during an exam o Usage reporting tools by individuals and user groups o System Health dashboard for system status o Bin stores detector and grid o Built-in storage for cleaning wipes, gloves and lead apron 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 <p>Wireless Digital Detector Specifications</p> <ul style="list-style-type: none"> o Detector battery can take up to 45 exposures per hour and provide enough power for 3 hours of use on a single charge o Single panel (non-tiled) amorphous silicon detector with a Cesium Iodide scintillator o Image area 40.4cm x 40.4cm (15.9in x 15.9in) o Active matrix 2022 x 2022 pixels o 8mb raw image file size o Pixel Pitch 200 microns o Typical upper dynamic range 7.8mR

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			<ul style="list-style-type: none"> o Typical DQE @ 0lp/mm: (68%) o Two handgrips o Dimensions: L 23.1in., H 17.8in., o T 0.94in. (L 580mm, H 452mm, T 24mm) o 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 Mbps - Effective Throughput: 30-70 Mbps <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"> o RJ45 10/100/1000 Base T Ethernet port <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"> o 300 mA maximum o kVp and mAs controls o Less than 2% low frequency ripple o Frequency: greater than 100 kHz, super resonant inverter with varying frequency <p>X-ray Source</p> <ul style="list-style-type: none"> o Nominal Tube Voltage (radiographic) ~ 150kV o Nominal Focal Spot size (IEC 60336) - Large Focus - 1.3 mm

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			<ul style="list-style-type: none"> - Small Focus - 0.6 mm o Anode Rotation Speed (minimal): 3200 min o Permanent Filtration: 0.9 mm A1/75 kV IEC60522: 1999 o Maximum X-ray Tube Current - Large Focus: 500 mA - Small Focus: 200 mA o Maximum Continuous Heat Dissipation: Without Air-circulator: 170W (238 HU/s) Collimator A pair of independent collimator blades control the X-ray field o 180 lux (1000 Lumen/mt2) light field lamp o The collimator rotates plus and minus 180 degrees with detents at -180, -90, 0, +90 and +180 degrees o Full 43cm x 43cm (17 in.) coverage at a 100cm SID The column may be rotated up to plus or minus 270 degrees from the park position o Drive Inhibit keypad access o Password protected access to patient information for compliance with confidentiality regulations o Automatic safety brake: Operator must hold drive handle to allow system movement o Integrated front bumper stops unit and activates brakes when activated
2	1	S2000RE	<p>Wireless Connectivity</p> <p>Wireless Connectivity for Optima XR220amx</p> <p>and Optima XR200amx</p> <p>802.11 a/b/g n-compatible wireless connectivity</p>

Quotation Number: PR11-C28750 V 2

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			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	S2000RL	Auto Protocol Assist Auto Protocol Assist for Optima XR200amx and Optima XR220amx
4	1	S2000RS	Repeat/Reject Analysis Repeat/Reject Analysis for Optima XR220amx/Upgraded Optima XR200amx
5	1	E7009HB	Sterile Protective Drapes - Detector Drape Sterile Protective Drapes - Detector Drape
6	1		AMX4 Trade-In