PO# 578-B48016

Item No.	Qty	Catalog No.	Description
1	1		**Optima XR220amx - 30kW** **Optima XR220amx** Customer Loyalty Upgrade Optima XR220amx 30kW Customer Loyalty Upgrade 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 • 30kW generator • Wireless Digital Detector with 6:1 removable grid, back-up tether, QAP (Quality Assurance Proceedure) • 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 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

- Up to 1,200 w of power available to minimize charge time
- System can be driven within 4 seconds of activation
- Pre-programmed techniques per anatomy and patient size
- Systems can be used without the detector
- Modality Perform Procedure Step (MPPS; SPS/PPS configurable)
- Automated and customizable image transfer to PACS and printers
- Can reprocess images post acquisition and during an exam
- Usage reporting tools by individuals and user groups
- System Health dashboard for system status
- Bin stores detector and grid
- Built-in storage for cleaning wipes, gloves and lead apron
- 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

Wireless Digital Detector Specifications

- Detector battery can take up to 45 exposures per hour and provide enough power for 3

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    hours of use on a single charge

- Single panel (non-tiled) amorphous silicon detector with a Cesium Iodide scintillator
- Image area 40.4cm × 40.4cm (15.9in × 15.9in)
- Active matrix 2022 × 2022 pixels
- 8mb raw image file size
- Pixel Pitch 200 microns
- Typical upper dynamic range 7.8mR
- Typical DQE @ 0lp/mm: (68%)
- Two handgrips
- 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 Mbps
  - 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 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

Item No.	Qty	Catalog No.	Description
			A pair of independent collimator blades control the X-ray field

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 at a 100cm SID The column may be rotated up to plus or minus 270 degrees from the park position
- Drive Inhibit keypad access
- Password protected access to patient information for compliance with confidentiality regulations
- Automatic safety brake: Operator must hold drive handle to allow system movement
- Integrated front bumper stops unit and activates brakes when activated

Item No.	Qty	Catalog No.	Description
2	1		Wireless Connectivity

Wireless Connectivity for Optima XR220amx and Optima XR200amx

802.11 a/b/g n-compatible wireless connectivity to hospital network

Wi-Fi Certified

Compatible with:
- 802.11i, Wi-Fi Protected Access 2 (WPA2), WPA 802.1X
- AES - TKIP
- 64-, 128-WEP
- VPN: IPSec - IKE

Item No.	Qty	Catalog No.	Description

			• 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		Optional System Covers with Artwork - Custom Design - Brivo XR285, Optima XR200, Optima XR220 Guidelines and Requirements • Artwork must be provided in a file format suitable for graphic design production, such as Adobe Illustrator, Photoshop, InDesign, etc. • JPEG, PDF, or TIFF files may be acceptable if they meet the size and resolution requirements of 300 dpi resolution • Graphic will be sized to fit the mobile X-ray side panel: 26" W x 35" H • Customer must own the image

Item No.	Qty	Catalog No.	Description
			rights or the copyright to use the image

- If the customer has a conceptual idea, but does not have the actual high resolution graphic as part of the customization process GE Healthcare can provide image-searching/purchasing services from stock-photograph agencies. There is an additional charge for this service.
- Artwork must be consistent with GEHC branding guidelines and must pass a cursory GE design review GEHC (Global Design and Marketing) reserves the rights to reject any artwork submitted
- Recommended artwork/themes include: facility/institution logos, letter or number reflecting building location, department or floor, abstract graphic design images, etc
- All requests require a signed Order Form Order forms can be obtained by calling an Accessories Customer Service Representative at 1800-558-5102 opt 2, opt 1, or visit SMART or SupportCentral to download the form
- All artwork must be accompanied by a Purchase Order

Item No.	Qty	Catalog No.	Description
6	1		Sterile Protective Drapes - Detector Drape
			Sterile Protective Drapes - Detector

Item No.	Qty	Catalog No.	Description
			Drape
7	1		Optima XR220amx Training: 4 Days Onsite

Optima XR220amx Training: 4 Days
Onsite (3 Days + 1 Day)

One 3 day and one 1 day TiP onsite
training visit for Optima XR220amx.

Includes T&L expenses. Days provided
in two customer visits.

This training program must be
scheduled and completed within 12
months after the date of product
delivery.