

VAMC PORTLAND
V. A. Medical Center
GENERAL WAREHOUSE
3710 SW VETS. HOSP. RD.
PORTLAND, OR 97239

648- B51051

Qty	Description
1	RadSpeed Auto 65kW DR Dual Panel 701C / 401C Wireless
1	Canon CXDI-401C Wireless Digital Detector <p>The Canon CXDI-401C Wireless portable, full-size DR system provides super high resolution, high quality, filmless image capture for a broad range of radiographic applications, including trauma, ICU and bedside exams. The CXDI-401C Wireless is an ISO 4090 compliant cassette size detector that can fit into existing bucky trays, or in new equipment trays with ease.</p> <p>Offering high-quality diagnostic images efficiently with minimum X-ray exposure to patients the CXDI-401C Wireless is ideal for all radiographic use, especially pediatric. This portable DR system consists of a Canon Amorphous Silicon (a-Si) Flat Panel Detector and a Cesium Iodide (CsI) Scintillator, allowing for extremely effective X-ray absorption and high signal-to-noise performance. The full size 17-inch x 16-inch imaging area and portable design - just over a half-inch thick (0.6 inches) and weighting 8.4 lbs. - allow the CXDI-401C Wireless to be used either portable use for tabletop examination or fixed configuration in bucky tray.</p> <p>Includes: 1 - CXDI-401C Wireless imaging unit 1 - Operation manual 2 - Battery Packs</p> <p>Features and Specifications:</p> <p>Detector</p> <ul style="list-style-type: none">- Scintillator: Cesium Iodide- Pixel Pitch: 125 microns- Pixels: 3,408 x 3,320 (11.3 Megapixels)- Imaging Area: 17 inches x 16 inches (42.6 cm x 41.5 cm)- Battery Performance: 140 images- Wireless Standard: IEEE 802.11N (5 & 2.4 GHz)

Image Acquisition

- A/D: 16 bit
- Grayscale: 12 bit or 16 bit selectable
- Preview Image: 2-3 seconds

Water Resistant to IPX4

- Test Duration: 5 minutes
- Water Volume 10 liters per minute
- Pressure 80-100 kPa

Electrical and Environmental

- Power Consumption: 170VA maximum (Detector unit only)
- Operating Environment: 41-95°F (5-35°C), 30-80% RH (non-condensing)

Physical Characteristics

- Dimensions (WxLxH): 18.1 x 18.1 x 0.6 in (460 x 460 x 15 mm)
- Weight: 8.4 lbs. (3.8 kg) with battery

DICOM Modality Worklist Software

- Version v3.0 with offline-online patient download
- Mobile mode allows storage of worklist to the Hard drive for access in areas without wireless access.
- Multi-Accession function to perform multiply studies on single patient.
- Modality Performed Procedure Step (MPPS);
- Provides Status to the MPPS server
- N-Create and N-Set messages stored on Mobile until network communication is available.

1

Wiring Units WU-3A (for 701C/801C/401CW)

1

CXDI-701C Wireless Digital Detector

The Canon CXDI-701C Wireless portable, lightweight DR system provides super high resolution, high quality, filmless image capture for a broad range of radiographic applications, including trauma, ICU and bedside exams. The CXDI-701C Wireless is an ISO 4090 compliant cassette size detector that can fit into existing bucky trays, or in new equipment trays with ease.

Offering high-quality diagnostic images efficiently with minimum X-ray exposure to patients the CXDI-701C Wireless is ideal for all radiographic use, especially pediatric. This portable DR system consists of a Canon Amorphous Silicon (a-Si) Flat Panel Detector and a Cesium Iodide (CsI) Scintillator, allowing for extremely effective X-ray absorption and high signal-to-noise performance. The large 14-inch x 17-inch imaging area and portable design - just over a half-inch thick (0.6 inches) and weighting only 7.3 lbs. - allow the CXDI-701C Wireless to be especially useful with patients who have limited mobility and for capturing images at angles that are difficult to set with fixed devices.

Immediate Results:

An on-screen preview image is available approximately 1-2 seconds after exposure. An additional monitor (not included) can be added for the immediate viewing of high-resolution images in the emergency department or radiography suite.

Includes:

- 1 - CXDI-701C Wireless imaging unit
- 1 - Operation manual
- 2 - Battery Packs

Features and Specifications:**Detector**

- Scintillator: Cesium Iodide
- Pixel Pitch: 125 microns
- Pixels: 2,800 x 3,408 (9.5 million)
- Imaging Area: 14 inches x 17 inches (35 cm x 43 cm)
- Battery Performance: 140 images
- Wireless Standard: IEEE 802.11N (5 & 2.4 GHz)

Image Acquisition

- A/D: 16 bit
- Grayscale: 12 bit or 16 bit selectable
- Preview Image: 1-2 seconds

Qty	Description
	Water Resistant to IPX4 - Test Duration: 5 minutes - Water Volume 10 liters per minute - Pressure 80-100 kPa
	Electrical and Environmental - Voltage: 100V, 120V, 230/240V (50/60Hz) - Power Consumption: 170VA maximum (Detector unit only) - Operating Environment: 41-95°F (5-35°C), 30-80% RH (non-condensing)
1	Physical Characteristics - Dimensions (WxLxH): 15.1 inches x 18.1 inches x 0.6 inch (384 x 460 x 15 mm) - Weight: 7.3 lbs. (3.3 kg) with battery X-Ray Interface Unit for CXDI-70/701 Series
1	Battery Charging Unit for CDXI-70 Series
1	Grid Cap; 130 cm, 6:1, 52lpc, AL spacer, Horizontal Lines 14x17
1	WLAN Access Point - WLAN Access Point - Integrated AP has a default setup of Wi-Fi Protected Access 2 Pre Shared Key (WPA2 PSK) - AES-CCMP encryption - Closed network with the wireless detector - Hidden SSID - Separate from the facility network - IEEE 802.11n, 5.0 GHz frequency band - Channels 36, 40, 44, 48 - No patient data is transferred with this connection - Transfer of raw image data in proprietary format - Internal communication such as ready status, battery level, and signal strength of the detector
1	AC Adapter for WLAN Access Point
1	Infrared Check-In Unit
1	NE Control Software AND PC for NE Workstation PC Specifications: -Intel Core 2 Quad Core CPU -4 GB High-Speed RAM -500 GB SATA Hard Drive -DVD/RW Burner (SATA) -Microsoft Windows 7 64-Bit Operating System -Optical Mouse -Full Size Keyboard
1	DICOM Modality Worklist DICOM Modality Worklist for Canon CXDI Digital Radiography systems is a communications module for acquiring patient information and exam requirements from the HIS/ RIS. The following features are available in this module: Study Information Acquisition - Study is configurable to include a wide variety of patient information such as name, sex, birth date, age, patient ID, accession number(s), referring physician, etc. - Find Mode is available and conforms to Modality Worklist SOP Class (MWL). - Patient information can be entered manually if the patient does not appear on the worklist. - When used with a portable imaging unit, the worklist can be downloaded and stored in the control computer eliminating the need for network access at the patient's bedside. A barcode reader (not included) can be used to find and select the patient from the worklist. Study Status Notification - Supports Modality Performed Procedure Step SOP Class (PPS) with in progress, completed, or is continued messages. - PPS is available for both suite and portable imaging - Multi-accession imaging Imaging Modes - Manual imaging mode allows the user to individually select each view to be acquired

Qty

Description

- Program imaging mode uses the study information sent by the HIS / RIS to pre-configure the exam(s) to be performed
- Images can be acquired in any order
- Additional views can added at any point in the exam
- The study can be ended without completing all views
- 100 views can be acquired for a single patient
- Exams and views can be customized to meet the needs of the facility
- * Requires Program Imaging Mode Set Up and Implementation Fee

Optional DICOM tags can be defined, displayed, printed, and transmitted to PACS.
Pregnancy Status can be received from HIS / RIS and an alert displayed to inform the user of the pregnancy status.
Storage Commit function is available.

1 **19" Touchscreen for CXDI system**

1 **D-Link 5-Port 10/100/1000 Desktop Switch**

1 **CXDI-GCOM software**

Full Shimadzu Canon DR Integration
Includes post exposure factors to the DICOM header for kV, mA, and mAs

RadSpeed Auto Base System

1 **RadSpeed 65kw**

UD150V-40 65kW Pre Installing Generator
502-23371-53 UD150V-40 (65kW, 800mA) [requires 480V]
502-23493 Communication Unit B-40/L-40
502-23498 SA-42UD high speed starter
502-23488 SPT-C42 AEC Phototimer Controller
47-012-085 Ergotron Monitor Pivot for Generator panel wall mount
97-101-003 Ergotron Wall Mounting Plate for Generator panel wall mount
503-63881-01CH-200 (UL, Front Mount) Pre-Installing Ceiling Tube Suspension
503-58100-26 CH-200 (UL) Ceiling Tube Suspension (front mount)
503-59650-12 R-20J (for CH-200M) Manual Collimator*
501-71987-12 High tension cable pair - 22 meter
532-24486-03 0.6/1.2P324DK-85(RF), 400kHU tube, 0.6 & 1.2mm spot, 12 degrees angle
503-55400-15 Fixed rail 4.0m for CTM
503-55400-22 Traveling rail 2.6m for CTM
503-61750-02 BK-200 (UL) elevator table with size sensing bucky and tray, includes 10:1 grid
502-22087-33 SPT-XD-A3B, 3 pick-up AEC Photo Chamber, 30m cable
503-61800-13 BR-120 (UL) Wall Bucky with size sensing tray, includeing Grid 10:1
502-22087-33 SPT-XD-A3B, 3 pick-up AEC Photo Chamber, 30m cable
503-58934 Vertical Height Detection Assembly BR-120
503-58871 Wallstand Top Wall Brackets (BR-120/120M)

1 **SMILE Floor Mat with Shimadzu "Global Strings" Design**

1 **CH-200 (UL, Front Mount) CTM Pre-Installed package: Including**

- 200/(208)/220/230/240V 1 kVA Single-phase incoming line
- Color Touch Screen control panel
- Color LCD Touch Screen rotates automatically with tube rotation
- Eight Programmable switches for locks (user customizable)
- Anatomical Programmed Radiography (APR) control at tableside
- Easy-to-clean surfaces
- Positive touch release operation handles for quick positioning
- One-button full-way motion release
- 3 way lock release, Vertical Lock Release and collimator light switches on Rear of Tube Suspension
- Spring balanced for easy movement
- Reliable locking system allows any angulation to be held in position
- Pop-up information message window on Display
- Over Table X-Ray Tube; 400 KHU; (12 degree, 0.6 x 1.2 Focal)
- Shimadzu Collimation System
- Vertical Travel - 160 cm (5' 3")

- 503-58100-26 CH-200 (UL) Ceiling Tube Suspension (front mount)
- 571-15191-22 High tension cable pair - 22 meter
- 582-24827-06 Accessory pack, 22RFS

Qty

Description

1	R-300 (UL) Auto size sensing collimator, without auto filtering - Rubber-Cushioned The perimeter of the collimator emission port is covered with rubber to cushion the impact if a patient bumps into the collimator - Smooth Manual Collimation The collimator leaves are motor-driven in response to knob operation, allowing rapid operation of the aperture with minimal effort.
1	Fixed rail 5.5m for CTM
1	Traveling Rail 3.3m
1	X-ray Tube 400KHU, 0.6/1.2P324DK-85, 12 Degrees Angle - 400 KHU - 12 degree target - 0.6/1.2 focal spot
1	BK-200 RadSpeed Elevating Radiographic Table with Removable Grid - Horizontal, elevating radiographic table - Vertical table Travel: From 54 cm to 85 cm (21.25" to 33.5") - 4-way floating top From 115 cm longitudinal Travel, and +/-12.5 cm transverse Flat table top construction Maximum patient load of 295 kg (650 lbs) - 200/(208)/220/230/240V 1 KVA Single-phase incoming line - Permanent Electromagnetic locks; Locked without power. - Table Top Collision Protection Sensor - Small pedestal footprint - Standard Aluminum Grid (10:1 Ratio; 40 lines / cm; 40" focal distance) - Convenient and safe foot controls for elevation and locks - Designed to meet UL - Bucky Travel 40 cm 502-22087-33 Phototimer Pickup SPT-XD-A3B, 3 pick-up chamber, 30 m cable - Bucky tray accepts cassettes up to 14" by 17"
1	FPD Kit Wireless BK200/120MK
1	Installation of mount kit for Bucky Table
1	BR-120T (UL) Tilting Wall Bucky stand with Removable Grid Extensive Vertical Travel to accommodate all patient range and studies Vertical travel: 24.68 to 84.5 inches (62.7 to 214.7 cm) Tilting +90 degrees to -20 degrees (-20, 0, 15, 30, 45, 60, 75, 90 degrees horizontal)
1	Interlink Vertical Height Detection Assembly BR-120T
1	FPD Kit Wireless for BR120/120T/120M
1	Installation of SMK Kit for Wall Bucky
1	SID Detection - Longitudinal Assembly (for wall receptor on head or foot wall)

Qty

Description

Interlink(Stand&Table) + Tomo + Auto Positioning

- 1 **Vertical Tracking Feature**
- Ceiling tube suspension Vertical tracking to the BR-120 Wall bucky (auto-centering) and to the BK-200 Table
- 1 **Bucky tracking option (BK drive unit)**
- 1 **Electric Servo Tomo for 2.1 meter Fixed Rails**
- 1 **Bucky tracking option (CH drive unit) - included in price of 563-60587-02**
- 1 **Click Dog Assy**
- 1 **Canon DR Tomo Kit**
- 1 **Auto Positioning Kit**
- 1 **Tube rotation drive option - included in price of 563-68582-03**
- 1 **SID Detection -Transverse Assembly
(for wall receptor on fron or rear wall)**

Workflow Improvement options for RadSpeed DR with CXDI

- 1 **Auto field size selection (S-Dongle option Assy 1)**
- 1 **Patient Information Display (S-Dongle option Assy 2)**
- 1 **Mount Kit for S-Dongle Kit**

- 1 **Laser Line Marker Option (R-300)**
- 1 **DAP Mounting Kit(UL, VAC)**
158-00-15 VacuDAP Dose Area Meter VacuDAP2004 OEM
- 1 **Table Locking Grip Switch (BK-200)**
- Mushroom type, Angio Quality with High Low Table Switch
- 1 **Lateral Cassette Holder**

Qty	Description
1	Frontal Handgrip (BR-120/120T/120M)
1	Overhand Lateral Handgrip (BR-120/120T/120M)
1	Single Battery Pack for CXDI-70/701, 80/801, and 401C Wireless - extra
1	Wall Holder for CXDI-701 and CXDI801 Series Detector and Grid Cap.
1	14 x 17 inch or 35 x 43 cm CR Cassette and DR Panel Protector - 750lb Capacity
1	Freight FOB Building Site
	FOB VA Portland, Shimadzu freight charges
1	Architectural Room Drawings - Site specific. With full AutoCad.
	including AutoCad and Isometric
3	Canon Applications Training
	4 weeks notice required to include travel and lodging
	- Less than 4 weeks notice does not include travel, lodging or incidental expenses
	- CME Credits up to 5.5 hours max.
1	Wireless Site Survey (
	Wireless Site Survey: At the customers site do a Site Survey to determine the best channels for use with the Canon Wireless DR Panel(s). This item should be completed with the involvement of your onsite IT/IS team. The information captured in this survey will be used to configure your new Wireless Access Point associated with the new Canon equipment for compatibility with the site-specific environment.
1	Meraki Z1 Cloud Managed Teleworker Gateway **
	Hardware
	- 1 GbE WAN port, 4 GbE LAN ports
	- Sleek, low profile design
	Traffic shaping and application management
	- Layer 7 application visibility and traffic shaping
	- Application prioritization
	Teleworker gateway services
	- Stateful firewall separates corporate and personal traffic
	- Auto VPN™ self-configuring site-to-site VPN
	- Access Core Medical HQ via site-to-site VPN
	Cloud-based centralized management
	- Managed centrally over the Web
	- Locally managed by facility IT staff

Qty	Description
1	OPTIONAL
1	<p>Service Training - Radspeed (Optional)</p> <p>Service Training Class - Tuition for one (1) biomedical engineer for 5 days service training class at Shimadzu Medical Systems. Does not include travel and living expenses</p>
1	<p>Airfare to Torrance, CA for BioMed Training. (Optional)</p> <p>Airfare offered for the convenience of participants attending Shimadzu Biomed Training Center in Torrance, CA. This optional airfare opportunity must be used within one year of the equipment delivery date and includes one check in baggage from Portland Oregon (PDX) to Los Angeles, CA (LAX) or Orange County John Wayne Airport (SNA). Minimum two weeks notice.</p>
6	<p>Lodging Expense Option (Optional)</p> <p>The lodging expense option is in place so that the customer can pre-pay for hotel lodging before attending Biomed classes at the Shimadzu Training Center in Torrance, CA. Core Medical Imaging allows a daily lodging per diem of \$133 for any a hotel in California. Lodging is purchased on a per day basis (1=1 day, 2= 2 days, etc.). Shimadzu offers Biomed training in either 5, or 10-day sessions. It is important to note that the Biomed classes begin very early every Monday, so it's in the participant's best interest to purchase an additional day of lodging and arrive on the Sunday before the Biomed course begins. Example: 5-day course = 6 days of lodging. (The additional day is added so that the attendee can arrive a day early to check in to the hotel and arrange transportation to the training facility).</p>
1	<p>Service Training - Canon DR System: CXDI Control NE Software & New Generation Sensors Service Training Class (Optional)</p> <p>Service Training Class - Tuition for one (1) biomedical engineer for 5 days service training class at Shimadzu. Does not include travel and living expenses. - Scheduling is subject to availability. - Service Training Course expires one (1) year from equipment installation date (or purchase date if sold separately) - Training program must be scheduled and completed within 12 months after the date of product delivery - If Service Training is not completed within the applicable time period, Shimadzu's obligation to provide the training will expire without refund.</p>
1	<p>Airfare to Torrance, CA for BioMed Training. (Optional)</p> <p>Airfare offered for the convenience of participants attending Canon Biomed Training Center in Irvine, CA. This optional airfare opportunity must be used within one year of the equipment delivery date and includes one check in baggage from Portland Oregon (PDX) to Los Angeles, CA (LAX) or Orange County John Wayne Airport (SNA). Minimum two weeks notice.</p>
6	<p>Lodging Expense Option (Optional)</p> <p>The lodging expense option is in place so that the customer can pre-pay for hotel lodging before attending Biomed classes at the Canon USA, Inc. in Irvine, CA. Core Medical Imaging allows a daily lodging per diem of \$133 for any a hotel in California. Lodging is purchased on a per day basis (1=1 day, 2= 2 days, etc.). Canon offers Biomed training in either 5-day sessions. It is important to note that the Biomed classes begin very early every Monday, so it's in the participant's best interest to purchase an additional day of lodging and arrive on the Sunday before the Biomed course begins. Example: 5-day course = 6 days of lodging. (The additional day is added so that the attendee can arrive a day early to check in to the hotel and arrange transportation to the training facility).</p>

Qty

Description

CORE OPTIONAL ITEMS (Non-Federal)

1

Reject Analysis Module (Optional)

- 1 license required per computer
- Aggregates multiple Exam Logs from different Canon control software NE installations
- Creates graphical reports on rejects based on Operator, Exam, and Date Range
- Creates management reports