

SHIP TO:  
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V.A. Medical Center  
LOGISTICS EAST ORANGE  
385 TREMONT AVE  
EAST ORANGE, NJ 07018-1095

p .0. # 561-B82011

Qty	Description
1	<p><b>RadPRO® URS Universal Radiography System with Canon CXDI-401C Wireless Digital Detector</b></p> <p><b>RadPRO 64kW 3-Phase 480V Integrated DR Generator</b></p> <ul style="list-style-type: none"> <li>- High Frequency, 1 Tube Operation.</li> <li>- High Speed Starter</li> <li>- Microprocessor Controlled</li> <li>- Auto diagnostic System</li> <li>- Tube overload protection continuously monitoring of the remaining X-Ray Tube Heat Units</li> <li>- Control of X-ray Tube Number of Exposures up to 999,999 exposures.</li> <li>- Anatomical Program Console</li> <li>- Power 64 kW.</li> <li>- kVp Range from 40 kVp to 150 kVp in 1 kVp Steps.</li> <li>- mA Range from Minimum 10 mA to Maximum 640 mA. 19 mA Stations. Renard Scale : 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 650 mA.</li> <li>- Time range from 1 ms. to 10 sec. 41 Time Stations. Renard Scale</li> <li>- mAs range from 0.1 mAs to 500 mAs.38 mAs Station. Renard Scale</li> <li>- Up to Two Buckies.</li> <li>- User Friendly Control Panel with Digital Displays for kVp, mA, time and mAs.</li> <li>- PREP/EXPOSURE X-ray Hand-Switch</li> <li>- Automatic Exposure Control + AEC Adaption Module</li> <li>- Canon-Link Interface for integrated single-console system</li> </ul>

Qty	er	Description
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**RadPRO UR-1++ Auto-Positioning Universal Radiographic System prepared for CXDI-401 Series Detectors**

- APR-Based Auto-Positioning System
- Touch-Screen Controls for Adjustment of Generator Parameters and Auto-Positioning Programs
- Touch-Screen Indication of Patient Name and Study Selected
- Variable Focal To Image Distance Movement Fully Motorized with Automatic Detents at SID Distances of 40" and 72"
- Rotation of the Arm +120°, -30°
- Flat Panel Angulations ±45°
- Motorized Detector Movement ±45°
- Motorized Vertical Movement with Automatic Detents at the Exact Table Top Height
- Single Button Movements for 40" Undertable to 72" Cross-Table
- Fully Motorized Rotating Movement
- Maximum Focal Distance to Floor 78.75" (200cm)
- Minimum Focal Distance to Floor 17.7" (45cm)
- Intelligent Anti-Collision System which Automatically Moves Backwards When Entering in Contact with any Object and Actuating in any Position of the Arm, Flat Panel Detector or X-Ray Tube and Collimator Assembly.

Buck Boost Transformer to take 208/220 to 240V Voltage

Adapting Kit for Canon CXDI-401 Series Detectors

Manual Collimator with Laser Light

30' High Voltage Cable with Covers

400KHU X-Ray Tube, 0.6 - 1.2 Focal Spot, 4" Anode Diameter

Infrared Remote Control

Three Field Ion Chambers with 45 Foot Cables

**Canon CXDI-401C Wireless Full-Field Digital Detector**

- 17" x 16" Imaging Area (42.6 cm x 41.5 cm)
- Cassette Size, high Sensitivity a-Si Sensor with Cesium Iodide Scintillator
- 125 Micron Pixel Pitch
- 11.3 Megapixel (3408 x 3320) Resolution
- Preview Image in 4 - 6 Seconds
- Dimensions (W x L x D): 18.1" x 18.1" x 0.6" (460 mm x 460 mm x 15mm)

The Canon CXDI-401C Wireless Digital Radiography (DR) System offers a high level of versatility while providing high image quality and rapid results for large and small anatomical views. Designed to help healthcare professionals attain a high level of performance, usability, and reliability, the CXDI-401C Wireless DR System utilizes technology that can help accelerate exams and maintain productive workflows.

In X-Ray Auto Detection mode, the CXDI-401C Wireless DR System can detect X-Rays at exposure and shift to imaging acquisition mode automatically, without the use of a typical generator interface. It also provides customer-focused features, such as enhanced liquid intrusion protection, battery charging in detector with the wired\* option, and impact detection. And all this technology is packed into a light, wireless, easy-to-handle device that weighs only 8.4 lbs (with the battery.) In addition, its design incorporates indentations on the bottom of the detector to allow users to grasp it with greater ease, helping to minimize the risk of dropping during handling.

The Canon CXDI-401C Wireless DR system incorporates high-quality sensors to provide high-resolution images at a low dose, with a 125micron pixel pitch. Ideal for various diagnostic imaging areas and radiology rooms, the large imaging area and untethered form of the CXDI-401C Wireless DR System accommodate a wide variety of exams and provide a high level of flexibility, freedom, and ease of use. This versatile detector allows for easy upgrades and fits into most universal bucky systems.

Includes:

- 1 - CXDI-401C Wireless imaging unit
- 1 - Operation manual
- 2 - Battery Packs

Features and Specifications:

**Detector**

- Scintillator: Cesium Iodide
- Purpose: General Radiography
- Method: Cassette-sized detector, scintillator, and amorphous silicon (a-Si)
- Pixel Pitch: 125 microns
- Pixels: 3,408 x 3,320 (Approximately 11.3.5 megapixels)
- Imaging Area: Approximately 17 inches x 16 inches (42.6 cm x 41.5 cm)
- Battery Performance: 140 images (@ 100 sec cycle, 1 sec sleep)
- Battery Recharging time: Less than 3 hours
- Wireless Standard: IEEE 802.11N (2.4/5.0 GHz)

Qty	Part Number	Description
		<p>Image Acquisition</p> <ul style="list-style-type: none"> <li>- A/D: 14 bit</li> <li>- Grayscale: 12 bit (4,096 gradations)</li> <li>- Preview Image: 3-5 seconds</li> </ul> <p>Grid Support</p> <ul style="list-style-type: none"> <li>- 34/40/52/60 lp/cm (line-pair per centimeter)</li> </ul> <p>Electrical and Environmental</p> <ul style="list-style-type: none"> <li>- Voltage: 100V, 120V, 230/240V (50/60Hz)</li> <li>- Power Consumption: 170VA maximum (Detector unit only)</li> <li>- Operating Environment: 41-95°F (5-35°C), 30-50% RH (non-condensing)</li> </ul> <p><b>Wireless Control Station Bundle</b></p> <p>Control Station for Canon Control Software NE</p> <p>PC Specifications:</p> <p>Intel i7 Quad Core CPU  8 GB High Speed RAM  250GB SSD Hard drive  DVD/RW Burner (SATA)  Microsoft Windows 10 Professional 64-Bit Operating System  Optical Mouse  Full Size Keyboard</p> <p>24" Medical Grade Touchscreen LCD Monitor</p> <p>Canon X-Ray Interface Unit</p> <p>Canon Battery Charging Unit</p> <ul style="list-style-type: none"> <li>- Charges two batteries at once</li> <li>- Quick charging, full recharge in &lt;3 Hours from zero</li> <li>- Indicator lights for when battery is charging and fully charged</li> </ul> <p>Canon Control Software NE</p> <p>Control Software NE Features:</p> <p>System Startup &amp; Quality Assurance</p> <ul style="list-style-type: none"> <li>- Standard Mode: No log-in required</li> <li>- Secure Mode: Operator log-in/password required (user authentication); auto time-out with log-in to last screen viewed</li> <li>- Warm-up time: None</li> <li>- Battery/Wi-Fi Monitor: Software to allow wi-fi strength monitor and battery monitor for CXDI- Wireless configurations.</li> <li>- Calibration Routine: Included; required once per year; configurable on-screen reminder message</li> <li>- Display QA: SMPTE pattern included</li> </ul> <p>Image Acquisition</p> <ul style="list-style-type: none"> <li>- Programming: Unlimited anatomically programmed acquisition settings; user customizable to include annotation, orientation, patient demographics display location, and pre-selected basic and enhancement processing</li> <li>- Reject/Retake: Reject, Retake, Un-Reject; Reject reason labeling with free or pre-set annotation; Reject log (.csv monthly file accessible to system administrator for rolling 12 months)</li> <li>- Grid Suppression: Software-based grid suppression</li> <li>- Protocol Pre-Pack: Allows for multiple APR views to be associated into one APR for easy grouping of views within a study.</li> <li>- Auto-Stitch (v1.2): Multiple images can be stitched together within the software.</li> </ul> <p>Image Processing</p> <ul style="list-style-type: none"> <li>- Basic Processing: Histogram analysis by automatic fixed region ROI or user adjustable ROI; grayscale conversion; adjustable brightness and contrast; 6 pre-set contrast enhancement curves; collimation edge detection and (black) masking with adjustable standoff; trim positioning and adjustment</li> <li>- MTF Improvement: Preset and user-selectable/adjustable anatomical region-based filters, intensity levels</li> <li>- Standard Processing: Preset and user-selectable/adjustable DEP (dynamic range adjustment), edge enhancement, noise reduction</li> <li>- Preset and adjustable multi-frequency dynamic range adjustment; global edge enhancement</li> <li>- Preset and user-selectable/adjustable dynamic range adjustment; noise reduction, local edge enhancement</li> <li>- Security advancements allow for only select users to access full image processing protocols.</li> </ul>

Qty	Description
	<p>Data Output and Network Connection</p> <ul style="list-style-type: none"> <li>- DICOM Print Format: Multi-format, user selectable pre-exposure and post-exposure formatting; selectable printing method (fixed ratio, life size, reduction, fit to film); queue viewable with priority and cancel capabilities; up to 2 DICOM printers may be specified at any one time, up to 4 DICOM printers may be configured</li> <li>- Study transmission: Selectable modes - after each image, after study end, post-study retrieval with resend individual or all image capabilities; queue viewable with priority and cancel capabilities; up to 2 storage devices may be specified at any one time, up to 4 storage devices may be configured</li> <li>- CD Archive: Available as network selectable storage device with DICOMDIR (hardware not included)</li> <li>- Network: Ethernet 10/100/1000 Base T, RJ45 standard</li> <li>- Data Output: DX; DICOM 3.0 compliant, Print Management Service Class (SCU), Storage Service Class (SCU) and others</li> <li>- IHE Profiles: Basic Security Profile option - User Authentication, Audit Log, Time Synchronization, Node Authentication</li> </ul> <p>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:</p> <p>Study Information Acquisition</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- Find Mode is available and conforms to Modality Worklist SOP Class (MWL).</li> <li>- Patient information can be entered manually if the patient does not appear on the worklist.</li> <li>- 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.</li> </ul> <p>Study Status Notification</p> <ul style="list-style-type: none"> <li>- Supports Modality Performed Procedure Step SOP Class (PPS) with in progress, completed, or discontinued messages.</li> <li>- PPS is available for both suite and portable imaging</li> <li>- Multi-accession imaging</li> </ul> <p>Imaging Modes</p> <ul style="list-style-type: none"> <li>- Manual imaging mode allows the user to individually select each view to be acquired</li> <li>- Program imaging mode uses the study information sent by the HIS / RIS to pre-configure the exam(s) to be performed <ul style="list-style-type: none"> <li>- Images can be acquired in any order</li> <li>- Additional views can added at any point in the exam</li> <li>- The study can be ended without completing all views</li> <li>- 100 views can be acquired for a single patient</li> <li>- Exams and views can be customized to meet the needs of the facility</li> <li>* Requires Program Imaging Mode Set Up and Implementation Fee</li> </ul> </li> </ul> <p>Optional DICOM tags can be defined, displayed, printed, and transmitted to PACS.</p> <p>Pregnancy Status can be received from HIS / RIS and an alert displayed to inform the user of the pregnancy status.</p> <p>Storage Commit function is available.</p> <p><b>Room Component Bundle for Single Detector Systems using CXDI-40/401 Series Digital Detectors</b></p> <p>Bundle Package Includes:</p> <ul style="list-style-type: none"> <li>- Setting Unit - 401 Series, Univ/Wall</li> <li>- Wall Mount Power Supply Bracket</li> <li>- (1) Uninterruptible Power Supply</li> </ul> <p><b>Includes Standard Installation</b></p> <p>Includes standard installation, M-F 8am-5pm.</p> <p><b>Warranty - One (1) year Parts and Labor on RadPro Radiographic System and Canon Products. One (1) Year Pro-rated Warranty on Glassware and batteries, where applicable.</b></p> <ul style="list-style-type: none"> <li>- One (1) year Protection Plus is included with CXDI-701C Wireless, CXDI-801C Wireless, CXDI-401C Wireless, CXDI-501G, CXDI-401C/G COMPACT and CXDI-50RF Digital Detectors</li> <li>- Excludes all damage from misuse, abuse, tampering or acts of God</li> </ul> <p><b>SubTotal</b></p>

**Carbon Fiber Mobile Table**

Height x Length x Width . . . . . 700 x 2200 x 650 mm (27.5 x 86.6 x 25.5 ")

Weight . . . . . 32 kg (70.5 lb)

Maximum Patient weight . . . . . 200 kg (440 lb)

X-ray Transparency Area (L x W) . . . 1940 x 650 mm (76.4 x 25.5 ")

Qty		Description
1		<b>Applications Training - Five (5) Days/Forty (40) Hours Technologist Training</b>
		Applications Training - Five (5) Days Technologist Training
1		<b>401C Wireless Snap-on 18" x 18", 6:1, 132lpi, 40-72 Lightweight Protect-A-Grid with Handle</b>
1		<b>401C Wireless Mobile DR Panel Holder</b>

## OPTIONAL ITEMS

Qty		Description
1		<b>Applications Training - Five (5) Days/Forty (40) Hours Technologist Training - REFRESHER APPLICATIONS</b>
		Applications Training - Five (5) Days Technologist Training
1		<b>Single Battery Pack</b>
1		<b>Four-Way Float-Top Mobile Elevating Table with Laminate Tabletop</b>
		- For use with RadPRO URS - Laminate Tabletop - Table on Wheels
1		<b>Four-Way Float-Top Mobile Elevating Table with Carbon Fiber Tabletop</b>
		- For use with RadPRO URS - Carbon Fiber Tabletop - Table on Wheels - With Pins for Fixation to Floor
1		<b>Four-Way Float-Top Mobile Elevating Table with Laminate Tabletop</b>
		- For use with RadPRO URS - Laminate Tabletop - Table on Wheels - With Pins for Fixation to Floor
1		<b>CANON BIOMED Engineer Training (facility staff) at Vendor Facilities</b>
		At Vendor Facilities RadPRO/Canon BIOMED Engineer Training (facility staff) for Canon NE Software or RadPRO Systems 5 day, M - F per student Includes training materials. Does not include airfare, travel, living expenses, meals or