

WAREHOUSE B30003
V.A. Medical Center
VA Medical Center
2907 PLEASANT VAL BLVD
ALTOONA, PA 16602-4377

PO# 503-B30003

EQUIPMENT DETAILS

RadPRO FM-1 Floor-Mounted Radiographic System with Canon CXDI-70C Wireless Digital Detector

Qty	Description
1	<p>RadPRO FM-1 Floor-Mounted Radiographic System with Canon CXDI-70C Wireless Digital Detector</p> <p>RadPRO 50kW 3-Phase 480V Integrated DR Generator</p> <ul style="list-style-type: none">- High Frequency, 1 Tube Operation.- High Speed Starter- Microprocessor Controlled- Auto diagnostic System- Tube overload protection continuously monitoring of the remaining X-Ray Tube Heat Units- Control of X-ray Tube Number of Exposures up to 999,999 exposures.- Anatomical Program Console- Power 50 kW.- kVp Range from 40 kVp to 150 kVp in 1 kVp Steps.- 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.- Time range from 1 ms. to 10 sec. 41 Time Stations. Renard Scale- mAs range from 0.1 mAs to 500 mAs.38 mAs Station. Renard Scale- Up to Two Buckies.- User Friendly Control Panel with Digital Displays for kVp, mA, time and mAs.- PREP/EXPOSURE X-ray Hand-Switch- Automatic Exposure Control + AEC Adaption Module- Canon-Link Interface for integrated single-console system <p>Step-up Transformer</p> <p>Must be installed by customer's electrician</p>

Qty	Description
VTAB-FM1-M-BKY70	<p>RadPRO FM-1 4-Way Float Elevating Table with Bucky and Cassette Tray for use with Canon CXDI-70C Wireless Detector</p> <ul style="list-style-type: none"> - Bucky Table Top with laminated material in white color plastic - 770 lbs Lift Capacity - Absorption 0.9 mm Al equivalent. - Table Top Dimensions 220 x 80 cm - Maximum Distance from Table Top to Floor 90 cm - Minimum Distance from Table Top to Floor 40 cm - Vertical Travel 50 cm - Table Top to Film Distance 7cm - Electromagnetic Brakes. - Longitudinal Travel 110 cm (-50 cm, + 60 cm) - Transversal Travel 24 cm (± 12 cm) <ul style="list-style-type: none"> - Adapting Kit for Manual Bucky and Cassette Tray - Bucky and Cassette Tray - 132 Line, 10:1, 34"-44" Focus Grid - Three Field Ion Chamber with 45' Cables <p>RadPRO FM-1 Floor-Mounted Tubestand with 400KHU X-Ray Tube and Manual Collimator</p> <p>Linear Movements</p> <ul style="list-style-type: none"> - Total Column Height 237 cm - Longitudinal Rails Length / Travel 275/210 cm - Tube Arm Transversal Travel (± 15 cm = 30 cm) - Tube Arm Vertical Travel 150 cm - Balancing System with counterweights - Electromagnetic brakes <p>Rotational Movements</p> <ul style="list-style-type: none"> - Tube Arm Rotation Vertical Axis ± 90° - Tube Arm Rotation Horizontal Axis ± 150° - Mechanical Detent every 90° <p>Control Panel</p> <ul style="list-style-type: none"> - Moving handles coated with synthetic rubber - - Control of the brakes by push buttons - Digital display of SID and Angle for the X-Ray Beam <p>400KHU X-Ray Tube, 0.6 - 1.2 Focal Spot, 12 Degree Target Angle</p> <p>40' High Voltage Cables with Covers</p> <p>Manual Collimator with Laser Light</p> <p>RadPRO FM-1 Non-Tilting Wall Stand with Bucky and Cassette Tray for use with Canon CXDI-70C Wireless \$</p> <ul style="list-style-type: none"> - Vertical Travel 140 cm. - Maximum height to the Center of the Bucky 190 cm - Electromagnetic Brakes <p>Side Hand Grips</p> <p>Adapting Kit for RadPRO Wall Stands for use with Bucky and Cassette Tray</p> <p>Manual Bucky and Cassette Tray</p> <p>132 Line, 10:1, 40"-72" Focus Grid</p> <p>Three Field Ion Chambers with 45 Foot Cables</p>
	<p>Canon CXDI-70C Room Package</p> <p>Canon CXDI-70C Wireless Detector</p> <p>The Canon CXDI-70C 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-70C 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 minimal X-ray exposure to patients the CXDI-70C 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 weighing only 7.5 lbs - allow the CXDI-70C 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.</p> <p>Includes:</p> <ol style="list-style-type: none"> 1 - CXDI-70C Wireless imaging unit 1 - Operation manual 2 - Battery Packs <p>Features and Specifications:</p> <p>Detector</p> <ul style="list-style-type: none"> - Scintillator: Cesium Iodide - Pixel Pitch: 125 microns - Pixels: 2,800 x 3,408 (9.5 million)

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		<ul style="list-style-type: none"> - Imaging Area: 14 inches x 17inches (35 cm x 43 cm) - Battery Performance: 140 images (@ 100 sec cycle, 1 sec sleep) - Wireless Standard: IEEE 802.11N <p>Image Acquisition</p> <ul style="list-style-type: none"> - A/D: 14 bit - Grayscale: 12 bit (4,096 gradations) - Preview Image: 3-5 seconds <p>Electrical and Environmental</p> <ul style="list-style-type: none"> - Voltage: 100V, 120V, 230/240V (50/60Hz) - Power Consumption: 170VA maximum (Detector unit only) - Operating Environment: 41-95°F (5-35°C), 30-50% RH (non-condensing) <p>Physical Characteristics</p> <ul style="list-style-type: none"> - Dimensions (WxLxH): 15 inches x 18 inches x 0.6 inch (384 x 460 x 15 mm) - Weight: 7.5 lbs. (3.4 kg) <p>Control Station for Canon Control Software NE</p> <p>PC Specifications:</p> <p>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</p> <p>Canon X-Ray Interface Unit</p> <p>Canon Battery Charging Unit</p> <ul style="list-style-type: none"> - Charges two batteries at once - Quick charging, full recharge in <3 Hours from zero - Indicator lights for when battery is charging and fully charged <p>Canon Control Software NE</p> <p>Control Software NE Features:</p> <p>System Startup & Quality Assurance</p> <ul style="list-style-type: none"> - Standard Mode: No log-in required - Secure Mode: Operator log-in/password required (user authentication); auto time-out with log-in to last screen viewed - Warm-up time: None - Battery/Wi-Fi Monitor: Software to allow wi-fi strength monitor and battery monitor for CXDI-70C Wireless configurations. - Calibration Routine: Included; required once per year; configurable on-screen reminder message - Display QA: SMPTE pattern included <p>Image Acquisition</p> <ul style="list-style-type: none"> - Programming: Unlimited anatomically programmed acquisition settings; user customizable to include annotation, orientation, patient demographics display location, and pre-selected basic and enhancement processing - 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) - Grid Suppression: Software-based grid suppression - Protocol Pre-Pack: Allows for multiple APR views to be associated into one APR for easy grouping of views within a study. - Auto-Stitch (v1.2): Multiple images can be stitched together within the software. <p>Image Processing</p> <ul style="list-style-type: none"> - 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 - MTF Improvement: Preset and user-selectable/adjustable anatomical region-based filters, intensity levels - Standard Processing: Preset and user-selectable/adjustable DEP (dynamic range adjustment), edge enhancement, noise reduction - Preset and adjustable multi-frequency dynamic range adjustment; global edge enhancement - Preset and user-selectable/adjustable dynamic range adjustment; noise reduction, local edge enhancement - Security advancements allow for only select users to access full image processing protocols. <p>Data Output and Network Connection</p> <ul style="list-style-type: none"> - 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 - 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 - CD Archive: Available as network selectable storage device with DICOMDIR (hardware not included) - Network: Ethernet 10/100/1000 Base T, RJ45 standard - Data Output: DX; DICOM 3.0 compliant, Print Management Service Class (SCU), Storage Service Class (SCU) and others - IHE Profiles: Basic Security Profile option - User Authentication, Audit Log, Time Synchronization, Node Authentication <p>DICOM Modality Worklist for Canon CXDI Digital Radiography systems is a communications module for acquiring</p>		

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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 discontinued 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
- 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.

Room Component Bundle for Canon CXDI-70C Wireless Digital Detector

Bundle Package Includes:

- 20.1" Medical Grade Touchscreen LCD Monitor - Wireless Access Point
- Power Injector for Wireless Access Point - Infrared Check-In Unit
- Gigabit Ethernet Switch
 - Wall Holder for CXDI-70C Wireless + Grid
 - (2) 550VA Uninterruptible Power Supplies

Hands support for wall bucky stand (A6832-01)

Applications Training - Three (3) Days Technologist Training

- Please note that as part of contract, Two (2) days applications training are included at no charge. Additional days of applications training are at \$1,800 per day. A total of Three (3) days applications training under the agreement is \$1,800.

Includes Standard Installation

Includes standard installation, M-F 8am-5pm.

Warranty - One (1) year Parts and Labor on Canon DR System & RadPro Products.

- Does not include any damages from misuse, abuse, tampering or acts of God.

NOTE - ALPHA IMAGING, LLC. WILL BE THE INSTALLATION AND SERVICE AGENT FOR VIRTUAL IMAGING, INC. A CANON U.S.A. COMPANY.

each option below will be added to the total above if accepted. These items may replace other items in the quotation above, and will be indicated per item.

1	<p>ADD: Substitute 4-Way Float Elevating Table with Dual-Mode 70 Series Docking Station for Table with Bucky and Cassette Tray</p> <p>Substitute: RadPRO FM-1 4-Way Float Elevating Table with Dual-Mode 70 Series Docking Station</p> <ul style="list-style-type: none">- Bucky Table Top with laminated material in white color plastic - 770 lbs Lift Capacity- Absorption 0.9 mm Al equivalent.- Table Top Dimensions 220 x 80 cm- Maximum Distance from Table Top to Floor 90 cm- Minimum Distance from Table Top to Floor 40 cm- Vertical Travel 50 cm- Table Top to Film Distance 7cm- Electromagnetic Brakes.- Longitudinal Travel 110 cm (-50 cm, + 60 cm)- Transversal Travel 24 cm (± 12 cm) <p>- Adapting Kit for Dual-Mode Portrait/Landscape Docking Station</p> <p>for CXDI-70C Wireless Detector - Dual-Mode Portrait/Landscape</p> <p>Rotating Docking Station for CXDI-70C Wireless Detector</p> <ul style="list-style-type: none">- 132 Line, Carbon Fiber, 10:1, 34' - 44' Variable Focus Grid	
1	<p>ADD: Substitute Non-Tilting Wall Stand with Dual-Mode 70 Series Docking Station</p> <p>Substitute: RadPRO FM-1 Non-Tilting Wall Stand with Dual-Mode 70 Series Docking Station</p> <ul style="list-style-type: none">- Vertical Travel 140 cm.- Maximum height to the Center of the Bucky 190 cm- Electromagnetic Brakes <p>Side Hand Grips</p> <p>Adapting Kit for Dual-Mode Portrait/Landscape Docking Station for CXDI-70C Wireless</p> <p>Dual-Mode Portrait/Landscape Docking Station for CXDI-70C Wireless</p> <p>132 Line, 10:1, 40'-72' Focus Grid</p> <p>Three Field Ion Chambers with 45 Foot Cable</p> <p>Hands support for wall bucky stand (A6832-01)</p>	
1	<p>Canon Genuine Handle Unit with Grid Frame and Carbon Fiber Grid</p> <p>Package Includes:</p> <ul style="list-style-type: none">- Canon Genuine Handle Unit- Canon Genuine Grid Frame- Carbon Fiber, 10:1, 132 line, 40'-72' Focus Grid- Compatible with Wire Unit (sold separately)	
1	<p>Canon Genuine Handle Unit with Grid Frame and Carbon Fiber Grid</p> <p>Package Includes:</p> <ul style="list-style-type: none">- Canon Genuine Handle Unit- Canon Genuine Grid Frame- Carbon Fiber, 6:1, 132LPI, 40-72- Compatible with Wire Unit (sold separately)	
1	<p>Wire Unit (For wired system configuration)</p>	
1	<p>Snap-on 14 x 17, 8:1, 132lpi, 40-72 Lightweight Protect-A-Grid</p>	
1	<p>2nd Year Parts and Labor Warranty for RadPRO FM-1 Single Detector 70C Wireless Digital Radiographic System, 400KHU Tube Coverage - Point-of-Sale Commitment Pricing</p> <ul style="list-style-type: none">- Monday - Friday Coverage, 8:00am - 5:00pm- Local Time - Includes 2 Preventive Maintenances Per Year- Does not cover abuse, misuse, tampering, or Acts of God <ul style="list-style-type: none">- Pricing is based on the entire coverage period- Billing will be done on a quarterly basis prior to the expiration of the initial warranty,- Upon selecting this coverage, contract will start on the first day after the expiration of the existing warranty	\$18,900.00 \$18,900.00
1	<p>VEXT-FM170-4G3YP 2nd and 3rd Year Parts and Labor Warranty for RadPRO FM-1 Single Detector 70C Wireless Digital</p>	

Radiographic System, 400KHU Tube Coverage - Point-of-Sale Commitment Pricing

- Monday - Friday Coverage, 8:00am - 5:00pm Local Time
- Includes 2 Preventive Maintenances Per Year
- Does not cover abuse, misuse, tampering, or Acts of God
- Pricing is based on the entire coverage period
- Billing will be done on a quarterly basis prior to the expiration of the initial warranty,
- Upon selecting this coverage, contract will start on the first day after the expiration of the existing warranty

2nd, 3rd and 4th Year Parts and Labor Warranty for RadPRO FM-1 Single Detector 70C Wireless Digital Radiographic System, 400KHU Tube Coverage - Point-of-Sale Commitment Pricing

- Monday - Friday Coverage, 8:00am - 5:00pm Local Time
- Includes 2 Preventive Maintenances Per Year
- Does not cover abuse, misuse, tampering, or Acts of God
- Pricing is based on the entire coverage period
- Billing will be done on a quarterly basis prior to the expiration of the initial warranty,
- Upon selecting this coverage, contract will start on the first day after the expiration of the existing warranty

2nd, 3rd, 4th and 5th Year Parts and Labor Warranty for RadPRO FM-1 Single Detector 70C Wireless Digital Radiographic System, 400KHU Tube Coverage - Point-of-Sale Commitment Pricing

- Monday - Friday Coverage, 8:00am - 5:00pm Local Time
- Includes 2 Preventive Maintenances Per Year
- Does not cover abuse, misuse, tampering, or Acts of God
- Pricing is based on the entire coverage period
- Billing will be done on a quarterly basis prior to the expiration of the initial warranty,
- Upon selecting this coverage, contract will start on the first day after the expiration of the existing warranty