

WAREHOUSE B20058
V.A. MEDICAL CENTER
4815 N ASSEMBLY ST
BLDG 14
SPOKANE, WA 99205-6197

TRADE-IN HOLOGIC
MODEL: RADEX
SN#: DR3008
EE#: 14080
YEAR: 2001

PO#: 668-B20058

Part Number	Description
1	RadPRO UR-1++ Universal Radiographic System with Canon CXDI-401C Digital Detector RadPRO 64kW 3-Phase 480V Integrated DR Generator <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 64 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 Buckles.- 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 RadPRO UR-1++ Auto-Positioning Universal Radiographic System prepared for CXDI-401 Series Detectors <ul style="list-style-type: none">- APR-Based Auto-Positioning System (wall attachment)- Touch-Screen Controls for Adjustment of Generator Parameters and Auto-Positioning Programs

Qty	Part Number	Description
-----	-------------	-------------

- 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-40EG/EC 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

Programmable Automatic Collimation in lieu of Manual Collimation, please add:

Control Station Bundle

Control Station for Canon Control Software NE - Room PC

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

20.1" Medical Grade Touchscreen LCD Monitor (Exam Room)

Canon Control Software NE

Control Software NE Features:

System Startup & Quality Assurance

- 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

Image Acquisition

- 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.

Image Processing

- 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.

Qty	Part Number	Description
-----	-------------	-------------

Data Output and Network Connection

- 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

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 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.

Canon CXDI-401C Full-Field Fixed Digital Detector

- 16.8" x 16.3" Imaging Area (42.6 cm x 41.5 cm)
- High Sensitivity a-Si Sensor with Cesium Iodide Scintillator
- 125 Micron Pixel Pitch
- 11.3 Megapixel (3408 x 3320) Resolution
- Preview Image in 3-5 Seconds
- Outside Dimension: 21.6" x 21.6" x 2.3" (550 x 550 x 59mm)

Power Box PB-6 for CXDI-401 Series Detectors

Canon CXDI-70C Wireless Digital Detector

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.

Includes:

- 1 - CXDI-70C Wireless imaging unit
- 1 - Operation manual
- 2 - Battery Packs

Qty	Part Number	Description	Unit List	Ext. List	Unit Net I Ext. Net
-----	-------------	-------------	-----------	-----------	---------------------

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 17inches (35 cm x 43 cm)
- Battery Performance: 140 images (@100 sec cycle, 1 sec sleep)
- Wireless Standard: IEEE 802.11 N (2.4/5.0 GHz)

Image Acquisition

- ND: 14 bit
- Grayscale: 12 bit (4,096 gradations)
- Preview Image: 3-5 seconds

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), 30-50% RH (non-condensing)

Physical Characteristics

- Dimensions (WxLxH): 15 inches x 18 inches x 0.6 inch (384 x 460 x 15 mm)
- Weight: 7.5 lbs. (3.4 kg)

X-Ray Interface Unit

Battery Charging Unit

Single Battery Pack

Wireless Access Point

70C Wireless Snap-on 14 x 17, 6:1, 132Ipi, 40-72 SHORT DIMENSION CARBON COVER Lightweight Protect-A-Grid

14 X 17 Protect-A-Grid II Drop on Surgical Solution with Calibrated Ruler and 8:1, 132 !pi, 34-44 Carbon Covered Grid

CXDI-70C Mobile DR Panel Holder

Featuring a handle and a positive lock, this item offers additional drop protection and allows the radiographer to easily carry the 70C from room to room.

Product Advantages Lightweight plastic

Ergonomic handle

Double positive lock

Drop protection

Cable management

Smooth non-porous surface

Curved corners

Specifications: - H 18.5", W 18.5", D 1"

Power Supply for Wireless Access Point

Infrared Check-In Unit

Gigabit Ethernet Switch

Wall Mount Power Supply Bracket

(2) APC Back-UPS ES 550 UPS - 330Watt -550VA

The Back-UPS ES offers affordable battery backup and surge protection for computers. With enough power outlets to protect your entire system, built-in phone/fax/modem line (DSL compatible) protection and easy-to-install safe system shutdown software all make this power protection solution the best value for computers.

Main Features:

- UPS (external)
- AC 120 V
- 330 Watt
- 550 VA
- 8 output connector(s)

Bucky Grid - Carbon Fiber; 10:1 52 lines/cm or 132 LPI, 180cm, 17 1/4 x 18/7/8

Qty	Part Number	Description
		10:1, 110cm Focus, 132 Line Carbon Fiber Grid for CXDI-401G/C
		External Dose area meter VacuDAP 2004
		Applications Training - Three (3) Days Technologist Training
		<ul style="list-style-type: none"> - Please note that as part of contract, Two (2) days applications training are included at no charge. Additional days of applications training are at \$1,500 per day. A total of Three (3) days applications training under the agreement is \$1,500. - Continuing Education Credits - Standard User - Up to 2 credits - Category A - Super User - Up to 3 Credits - Category A - Applications must be scheduled within 12 months of installation.
		Includes Standard Installation
		Includes standard installation, M-F 8am-5pm.
CANON BIO-MED		Canon BIOMED Engineer Training (facility staff) for Canon NE Software
		<ul style="list-style-type: none"> - 5 day training class - Price is per person for training and materials only, all other expenses are at customers expense (room, board, transportation not included)
RADPRO BIO-MED		RadPro BIOMED Engineer Training (facility staff)
		<ul style="list-style-type: none"> - 5 day training class - Price is per person for training and materials only, all other expenses are at customer's expense (room, board, transportation not included)
WARRANTY		Warranty - One (1) Year Parts and Labor on RadPro Radiographic System. One (1) Year Pro-rated Warranty on Glassware and batteries, where applicable.
		<ul style="list-style-type: none"> - Does not include any damages from misuse, abuse, tampering or acts of God.
		Deinstallation and removal of existing equipment is included at no charge.