XR DR, VAMC MILWAUKEE, WI

PO# 695-B48036

Canon CXDI-70C Wireless Upgrade to Existing Siemens Multix M Radiographi System with Canon CXDI-50G

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, o 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 (Cs!) 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

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 ((g100 sec cycle, 1 sec sleep)

Qty	Part Number	Description

- Wireless Standard: IEEE 802.11N (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)

VCAN-UPG-70C   **Wireless Control Station Bundle**

Control Station for Canon Control Software NE

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

Canon X-Ray Interface Unit

Canon Battery Charging Unit
- Charges two batteries at once
- Quick charging, full recharge in <3 Hours from zero
- Indicator lights for when battery is charging and fully charged

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
- BatteryNVi-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.

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.

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

Bundle Package Includes:
- 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

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Carbon Fiber Premium Grid, 132 Ipi, 10:1, 34"-44" Focus, Siemens-Compatible Size

Carbon Fiber Premium Grid, 132 Ipi, 10:1, 40"-72" Focus, Siemens-Compatible Size

CXDI-50G/C Bucky Insert

- Allows a 14x17 imaging receptor in a 50G bucky
- Simple lightweight design
- Backup for workflow interruption

Cal-Ray Siemens Muftis M Interface

Handle Unit for CXDI-70C Wireless Detector

70C Wireless Snap-on 14 x 17, 8:1, 132Ipi, 40-72 Lightweight Protect-A-Grid

Qty	Part Number	Description
	CAN 1877A255	**Single Battery Pack**
	ApplicationsTraining2 GOV	**Applications Training - Two (2) 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.

- Continuing Education Credits
- Standard User - Up to 3 credits - Category A
- Super User - Up to 4 Credits - Category A
- Applications must be scheduled within 12 months of installation.

Qty	Part Number	Description
	VIR INSTALL	**Includes Standard Installation**

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

Qty	Part Number	Description
	WARRANTY	**Warranty - One (1) year Parts and Labor on Canon DR System & RadPro Products.**

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