CXDI-70C WIRELESS SPECIFICATIONS

Purpose	General Radiography
Method	Cassette size detector: scintillator & amorphous silicon (a-
Sensor	LANMIT (Large Area New-MIS sensor and TFT)
Scintillator	CsI (CsI: Tl)
Pixel Pitch	125 x 125 microns
Pixels	2800 x 3408 pixels
Image Size	Automatic sizing up to 14 x 17 in. (35 x 43 cm)
A/D	14-bit
Grayscale	4,096 grayscale (12-bit)
Wireless Standard	IEEE 802.11n (2.4 GHz)
Preview Image Access Time	Approx. 3 seconds after X-ray exposure
High Resolution Image Display Time	Approx. 5 seconds after X-ray exposure
Cycle Time	Approx. 15 seconds after X-ray exposure
DICOM	DICOM 3.0 compatible, Print Management Service Class (SCU),
	Storage Service Class (SCU), and others
Battery Performance	140 images (@100 sec cycle, 1 sec sleep)
Recharging Time	Approx. less than 3 hours
Operating Environment	Sensor unit: 41 - 95°F (5 - 35°C), 30 - 80% RH (non-condensing)
Dimensions	15 x 18 x 0.6 in (384 x 460 x 15mm)
Weight (w/ battery)	7.5 lbs (3.4 kg)
Standard Components	Sensor unit, Battery charger, (2) Batteries, AC/DC cable, X-ray interface unit, IR sensor unit

■ ***USER OPTIONS***

Sensor Handle Unit	19.6 x 20.2 x .7 in (500 x 515 x 17 mm)
Wiring Unit	For AC power supply (sensor status indicator included)
Grid	Please contact a local authorized Canon representative
Software Options	Please contact a local authorized Canon representative

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Digital Radiography System

CXDI-70C WIRELESS

Premium Portable Flat Panel Detector

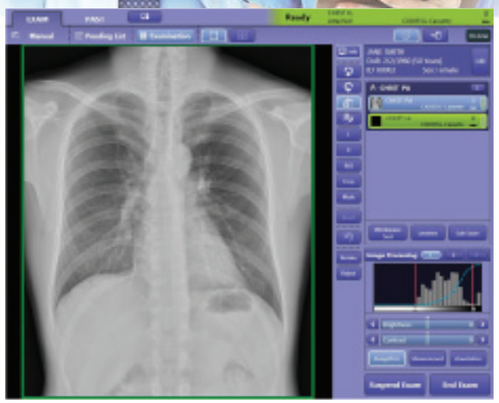
LOW DOSE, HIGH SENSITIVITY

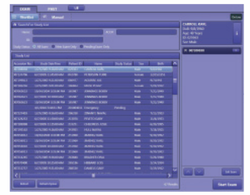
Enhanced Clinical Imaging With Higher Resolution

Speed, Increased Workflow Efficiency, Enhanced Image Processing, All With A Lower Dose For Patients

As a world leader in digital imaging solutions, Canon is proud to announce the company's first wireless, cassette-size digital radiography system: the CXDI-70C Wireless.

The CXDI-70C Wireless system eliminates the sensor cable for improved operability while delivering greatly enhanced image quality. By eliminating the sensor cable, the newly developed Canon CXDI-70C Wireless enables handling similar to current film-cassette X-ray systems for effortless functionality and superior portability. The model's 35 x 43cm effective imaging area offers the same dimensions as current ISO4090 compliant film cassette models, allowing digitalization without the need to modify existing analog imaging equipment.





CXDI CONTROL SOFTWARE NE

Canon's cutting edge CXDI Control Software NE is made exclusively for Canon Digital Radiography Flat Panel Detectors. The optimized workflow reduces operation steps and supports multiple study acquisition.

The software supports XGA (1,024 x 768) through SXGA (1,280 x 1,024) high resolution monitors and implements image processing equivalent to MLT(S). Along with supporting Program Mode, the software complies with HIPAA standards and is IHE compliant. Exposure Index complies with IEC 62494. Three levels of access can be set for various users

COMPACT, LIGHTWEIGHT, FLEXIBILITY

Designed to fit into a standard bucky, either table- or wall-mounted, Canon's CXDI-70C Wireless promises the flexibility of digital radiography. Its solid-state design allows immediate data acquisitions and its wireless transmitter sends the data directly to an acquisition console.

At only 7.5 lbs. (3.4 kg), the CXDI-70C Wireless is impressively thin – the same thickness of standard film cassettes – this light and simple-to-use sensor can be utilized at a moment's notice in trauma centers and ICUs.

Results In Seconds

A preview image is produced immediately after X-ray exposure, allowing for quick image confirmation, timely network distribution, and speedy diagnosis. If another image is required, the sensor is ready for the next X-ray exposure in moments thanks to its rapid refresh cycle.

Wireless Standard

Considered much faster than conventional standards (i.e. 11a, 11b) the CXDI-70C Wireless is equipped with IEEE 802.11n. Wireless communication is secured by WPA encriotion with AES (Advanced Encryption Standard). Only image data is communicated between access point and the flat panel detector. Patient records are stored in the console PC and will not pass LAN.

Network Capabilities

DICOM 3.0 compatibility enables seamless data transfer to any DICOM devices, PACS, or RIS for efficient data management, printing, archiving, and remote viewing of images. Such workflow efficiency means less wait time for patients, as well as higher patient throughput and less of a burden on staff.

Superior Image Quality

The CXDI-70C Wireless incorporates a new Canon-developed glass substrate with a pixel pitch of 125 microns that delivers high quality clinical images with higher resolution. Its CsI scintillator provides an increased level of sensitivity lowering the radiography dose possible in spite of the higher resolution compared to current 160 micron models.

High-Sensitivity DR Technology

CXDI-70C Wireless advanced LANMIT detector technology acquires high-resolution, high-contrast diagnostic images with minimal X-ray exposure to patients, making it the ideal device for pediatric and orthopedic applications. The Amorphous Silicon Flat Panel Detector has a scintillator comprised of Cesium Iodide (CsI) crystals that optimize light-channeling properties for effective X-ray absorption and high signal-to-noise performance.

DESIGNED CONVENIENCE

The CXDI-70C Wireless includes two interchangeable and rechargeable battery packs. Additional attention was given towards securing the swappable battery packs with two (2) high grade lock points, allowing radiologists to keep their full attention on the patient during exams.