DIGITAL RADIOGRAPHY

CXDI-Elite

Latest Generation of Canon
CXDI Digital Radiography Systems

CXDI-720C Wireless
CXDI-820C Wireless
CXDI-420C Wireless

Ultralight weight
Superior image quality
Easy handling
IP57-Rated
Built-in AEC Assistance*
Intelligent Noise Reduction*

*Sold Separately

Canon

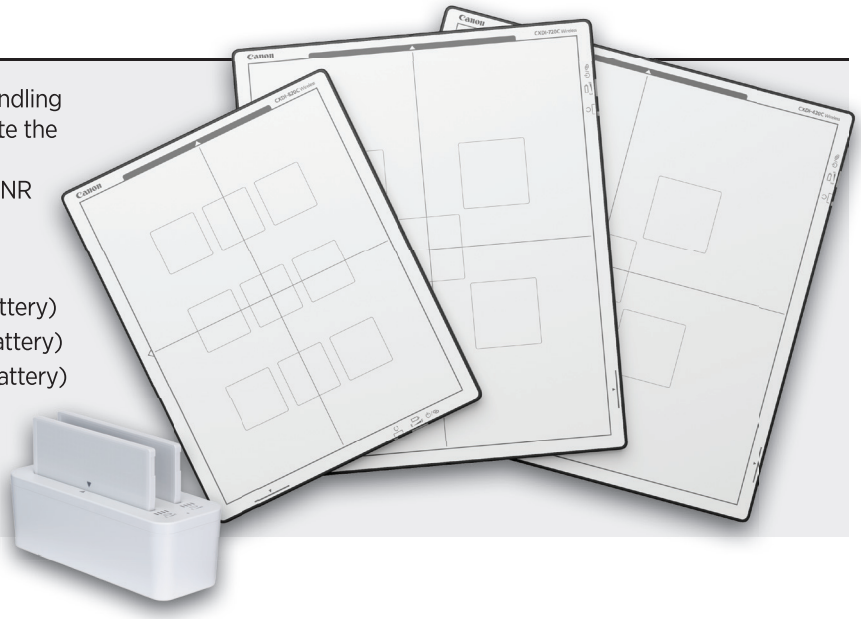
Powered by Innovation.
Driven by Excellence.

Elite in Every Specification

It has an ultra-lightweight, ergonomic design for ease of handling long battery life and AED function. This makes the CXDI-Elite the ideal digital radiography detector for mobile applications or any general x-ray need. The unique functions, Intelligent NR and built-in AEC** assistance expand the digital radiography possibilities.

- **CXDI-720C Wireless Detector:** 14" x 17" (5.1 lb. with battery)
- **CXDI-820C Wireless Detector:** 11" x 14" (4.0 lb. with battery)
- **CXDI-420C Wireless Detector:** 17" x 17" (6.0 lb. with battery)

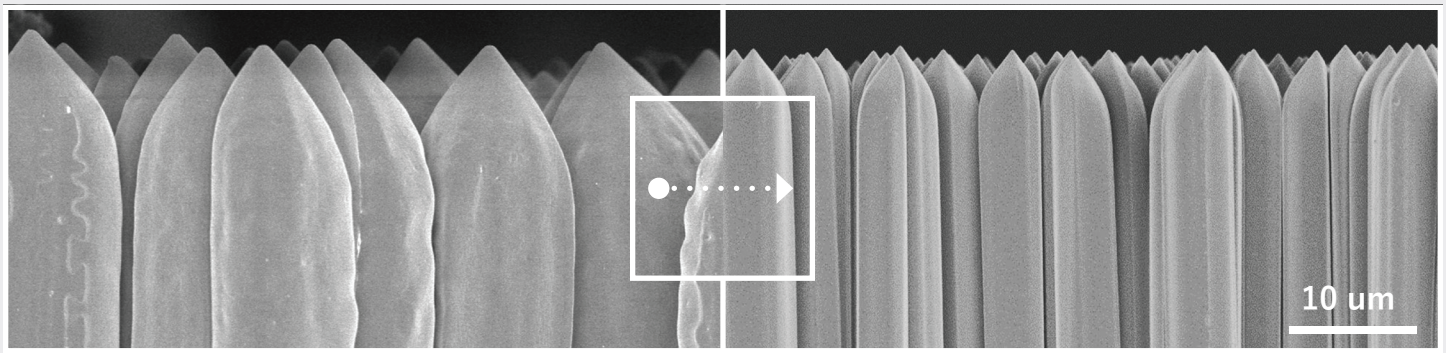
*AED : Automatic Exposure Detection
**AEC : Automatic Exposure Control



High Image Quality

Canon developed a newer generation high performance scintillator which produces higher image quality than ever before. Thin and clean CsI pillar crystals can provide sharper images with both higher DQE and MTF values.

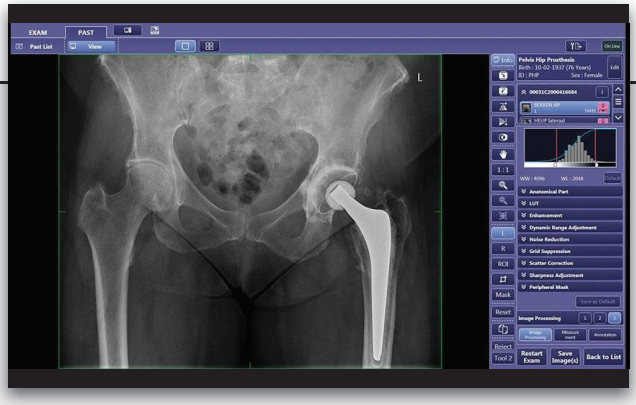
- **DQE : 16% improvement from prior models @ 0.5 lp/mm**
- **MTF : 29% improvement from prior models @ 2 lp/mm**



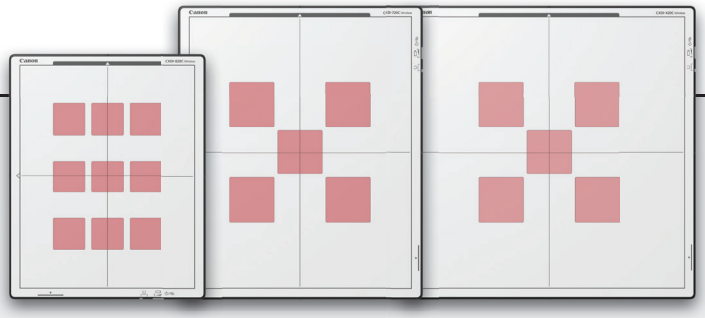
CXDI Control Software NE

CXDI Control Software NE is made exclusively for use with Canon CXDI Wireless Detectors and helps to optimize workflow and reduce steps needed to complete exams.

- Operates on Windows® 10
- IHE and DICOM compliant
- Flexible DICOM® configuration for worklist and export of images
- Very efficient workflow when exams are codified in the worklist and combined with integrated generator
- Available touch-screen operation including "pinch to zoom"
- Scatter Correction feature for non-grid exams (sold separately)
- Standard image stitching function for up to four exposures



Built-in AEC Assistance ■



Built-in AEC
Assistance

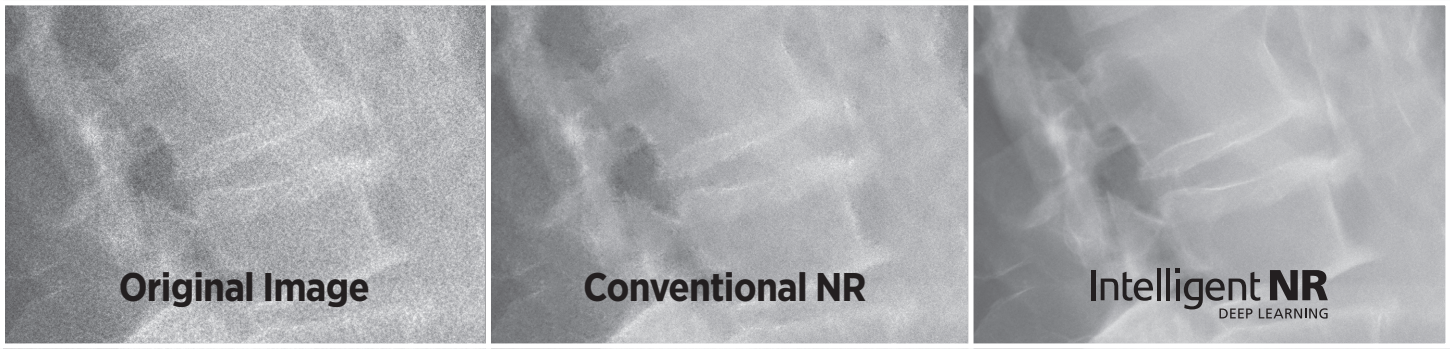
The CXDI Elite series allows for automatically terminated exposures without the use of an additional receptor (ion chamber, solid state paddle, etc.)

- There are 5 or 9 AEC Regions of Interest (ROI) depending upon model.
- This FPD can detect the accumulated pixel value corresponding to received X-rays in real time at each AEC ROI and notify the X-ray generator when the pixel value reaches the preset value.
- This function works via both wireless and wired communication, which enables the optimization of X-ray dose without an external AEC sensor, even in free-position imaging such as bed side.

■ Option software sold separately and Multibox (MB-02) is also required

Intelligent NR ◆

Canon's original image processing product using a pre-learned model which has been trained by Artificial Intelligence (AI) on noise characteristics in radiographic images from a clinical image database.



◆ Sold separately.

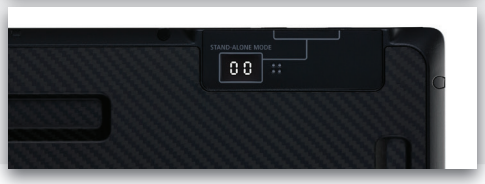
IP57 – Rated

Each detector is IP57-rated for protection against dust and liquid intrusion.

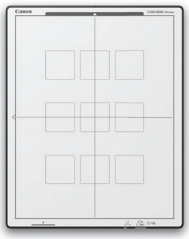
Easy Handling, Sleek Detector Design

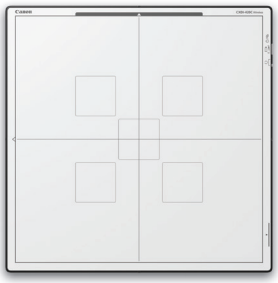
The sleek, tough, and ergonomically sculpted design includes the following features to enhance the user and patient experience:

- Comfortable to hold and easy to grip due to the light weight and ergonomic handgrips (9.15mm depth) sculpted into the detector.
- High-quality composite materials and low weight
- Designed with form and function in mind.
- Easy to position and comfortable for patients and technologists due to smooth, rounded corners.



CXDI-Elite Wireless Digital Radiography Systems Specifications**





Model Name	CXDI-720C Wireless	CXDI-820C Wireless	CXDI-420C Wireless
Purpose	General Radiography		
Method	Flat panel detector: scintillator & amorphous silicon (a-Si)		
Scintillator	Cesium Iodide		
Weight (incl. battery)	5.1 lb. (2.3 kg)	4.0 lb. (1.8 kg)	6.0 lb. (2.7 kg)
Effective Imaging Area	350 x 426 mm (14 x 17 in)	274 x 350 mm (11 x 14 in)	426 x 426 mm (17 x 17 in)
External Dimensions	384 x 460 x 15 mm (15 x 18 x .6 in)	307.5 x 384 x 15 mm (12 x 15 x .6 in)	460 x 460 x 15 mm (18 x 18 x .6 in)
Image Matrix Size	2800 x 3408 pixels	2192 x 2800 pixels	3408 x 3408 pixels
Pixel Size	125 um		
Limiting Resolution	4.0 lp/mm		
Grayscale	A/D: 16 bit		
DQE	Typical 74% (0 lp/mm), 67% (0.5 lp/mm) ■		
MTF	Typical 45 % (2 lp/mm)		
Time for ready	3 seconds ◆		
Preview Image Time	1 second ◆		
Cycle Time	4 seconds ◆		
Dust, Water -Resistance Rating	IP57 (For dust protection against limited dust ingress and water protection against submersion in water up to 1 meter for 30 minutes) ●		
Battery Performance	Generator Connection Mode (Interlocked Exposure) Max. 2,000 images @ 4 second cycle, Avg. 160 images @ 100 second cycle. ❍		
	Automatic Exposure Detection Mode Max. 1,900 images @ 4 second cycle, Avg. 145 images @ 100 second cycle. ❍		
Charging Performance	Battery charging time approx. 150min. †		
Wireless standard	IEEE802.11ac		
Wireless Channel/Band	2.4 GHz, 5 GHz		
Optional function compatibility	Built-in AEC Assistance††, Intelligent NR, Scatter Correction		

** Specifications subject to change.
■ 0 lp/mm is extrapolated value IEC62220-1-1 2015 (RQA5).
◆ Depending on acquisition mode.
● Based on tests conducted by an independent institution. Certification does not guarantee against failure or damage.
❍ Dependent on acquisition workflow.
† At an ambient temperature of 77º F.
†† Exposure termination is controlled by the x-ray generator and this feature requires connection to that system to be implemented by the manufacturer. In an environment with exceptionally strong radio interference, it may be recommended to use a wired rather than wireless connection. As with any AEC operation, appropriate exposure factors with a reasonable backup time should be set.

https://mcu.canon

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Canon Medical Components U.S.A., Inc.
Telephone (U.S.A. only):
(800) 970-7227
Email: drsales@mcu.canon