



CXDI-420C WIRELESS CXDI-720C WIRELESS CXDI-820C WIRELESS

DIGITAL RADIOGRAPHY

CXDI-Elite

Canon's latest generation wireless flat panel detector line-up takes you to new heights of possibilities in digital radiography. Offering excellent imaging quality, design excellence and intuitive features, the CXDI-Elite Wireless Series is the ideal digital radiography detector for mobile applications or any general X-ray needs.



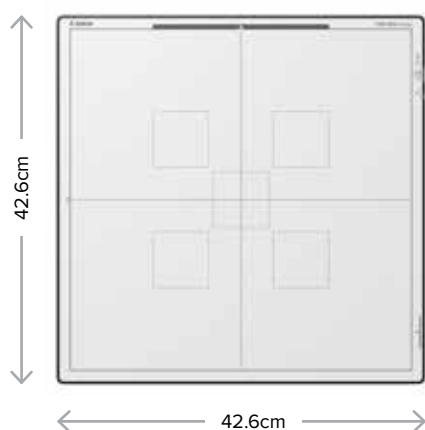
For information and services contact

Canon Australia Pty Ltd 1800 444 199 canon.com.au
Canon New Zealand Ltd 0800 222 666 canon.co.nz

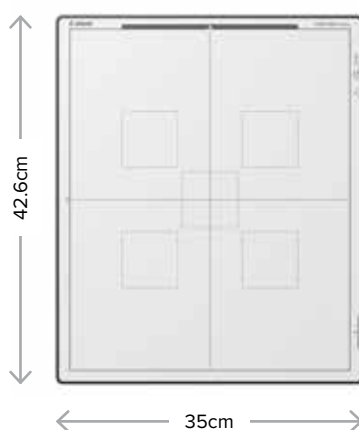
CXDI-ELITE SERIES PANELS

The new CXDI-Elite Series Panels are designed to support the demands of medical imaging departments. The panels are designed with usability, durability and user and patient comfort in mind, no matter what environment it is used in. Dust and water resistance, on-board memory and the improved design are just a few of the intuitive new features of the CXDI-Elite Series that ensure the best performance in workflow, sensitivity, image quality and versatility.

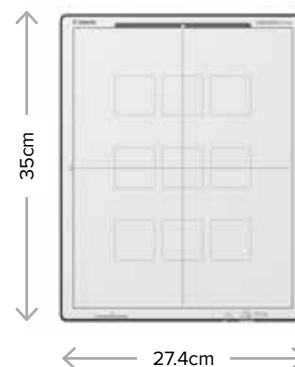
EFFECTIVE IMAGE AREA SIZE



CXDI-420C: 42.6cm (W) x 42.6cm (H)



CXDI-720C: 35cm (W) x 42.6cm (H)



CXDI-820C: 27.4cm (W) x 35cm (H)

Built-in AEC Assistance

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The CXDI-Elite Series enables optimisation of X-ray dose without an additional receptor or external AEC (Automatic exposure control) sensor. The flat panel detectors can detect the accumulated pixel value corresponding to received X-rays in real time at each AEC region of interest (ROI), and then notifying the X-ray generator when the pixel value reaches the preset value. This makes the CXDI-Elite Series panels ideal for free position imaging such as bedside X-ray examinations.

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



Excellent Image Quality

The CXDI-Elite Wireless Series incorporates Canon's silicon core with high sensitivity Cesium Scintillator Iodide (CSI). The impressive pixel pitch of 125 microns along with its high detector quantum efficiency (DQE) and modulation transfer function (MTF) levels assure the delivery of accurate, sharp, and excellent image quality at extremely low radiation doses.

DQE: 0.5 lp/mm
(16% improvement from prior models)

MTF: 2 lp/mm
(29% improvement from prior models)



Design Excellence

Designed to enhance both user and patient experience, the new and improved design of the CXDI-Elite Series panels are ultra light in weight than previous models, and is equipped with ergonomic handgrips, making it easier to handle without any physical strains.

The panels not only have rounded corners allowing users to safely hold, position and move the panels in any environment, but now also have smooth surfaces to make the cleaning process easier.



On-board image storage

Up to 99 images can safely be stored in built-in memory. Images do not need to be transferred immediately and can be transferred at a later time when needed.



Dust and liquid resistance

The flat panel detectors are also IP57 rated for protection against dust and liquid intrusion. This provides peace of mind without having to worry about dust or liquid damage to the panel.

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INTELLIGENT NOISE REDUCTION (NR) SOFTWARE*

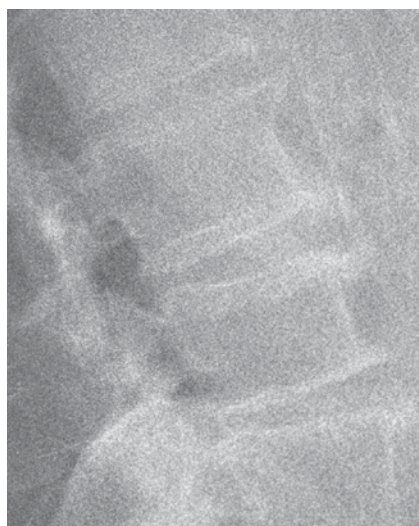
Intelligent NR
DEEP LEARNING

The Intelligent Noise Reduction (NR) is Canon's new original image processing feature which uses artificial intelligence to generate top class high quality X-ray images.

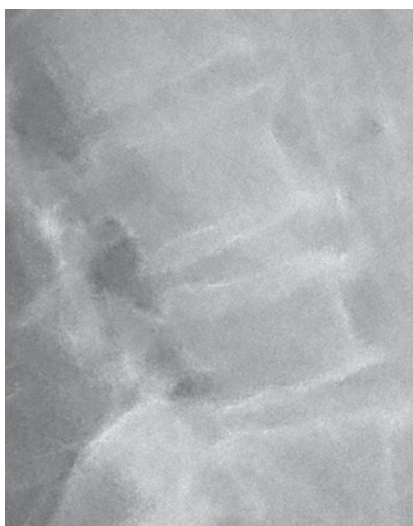
This new feature utilises a pre-learned model trained by the deep learning method of neural network on noise characteristics of approximately

3,000 X-ray images in the database obtained over the course of Canon's long history of developing the CXDI series.

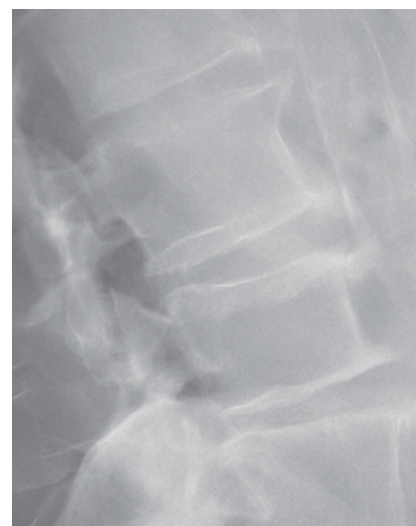
This new technology has the potential to support better quality diagnoses on the front line of medical treatment and makes high-quality imaging with reduces X-ray dosages for patients possible.



Original Image.



Conventional NR.



Intelligent NR.

*Sold separately. These items are not included with the purchase of the flat panel detectors.

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.
- Designed with form and function in mind.
- Easy to position and comfortable for patients and technologists, due to smooth, rounded corners.



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CDXI-ELITE WIRELESS DIGITAL RADIOGRAPHY SYSTEMS SPECIFICATIONS**	  		
	CXDI-420C Wireless	CXDI-720C Wireless	CXDI-820C Wireless
Model Name	General Radiology		
Purpose	General Radiology		
Method	Flat Panel Detector: Scintillator and Amorphous Silicon (a-Si)		
Scintillator	Cesium Iodide		
Weight (including battery)	2.7kg (6.0lb)	2.3kg (5.1lb)	1.8kg (4.0lb)
Effective Imaging Area	426x426mm (17x17in)	350x426mm (14x17in)	274x350mm (11x14in)
External Dimensions	384x460x15mm (15x18x0.6in)	384x460x15mm (15x18x0.6in)	384x460x15mm (15x18x0.6in)
Image Matrix Size	3408x3408 pixels	2800x3408 pixels	2192x2800 pixels
Pixel Size	125um		
Limiting Resolution	4.0lp/mm		
Greyscale	A/D: 16 bit		
DQE	Typical 74% (0lp/mm), 67% (0.5lp/mm)■		
MTF	Typical 45% (2lp/mm)		
Time Until Ready	3 Seconds♦		
Preview Image Time	1 Second♦		
Cycle Time	4 Seconds♦		
Dust, Water Restistance Rating	IP57 (for dust protection against limited dust ingress and water protection against submersion in water upto 1 metre for 30 minutes)●		
Battery Performance	Generator Connection Mode (interlocked exposure) Maximum 2,000 images @ 4 second cycle, average 160 images @ 100 second cycle○		
	Automatic Exposure Detection Mode Maximum 1,900 images @ 4 second cycle, average 145 images @ 100 second cycle○		
Charging Performance	Battery charging time approximately 150 minutes†		
Wireless Standard	IEEE802.11ac		
Wireless Channel/Band	2.4GHz, 5GHz		
Optional Function Compatibility	Built-in AEC Assistance**, Intelligent NR, Scatter Correction		

** Specifications subject to change.

- 0lp/mm is extrapolated value IEC62220-1-12015 (RQA5).
- ♦ Depending on acquisition mode.
- Based on tests conducted by an independent institution. Certification does not guarantee against failure or damage.
- Depending on acquisition workflow.

† At an ambient temperature of 25°C (77°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 reasonable back-up time, should be set.

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