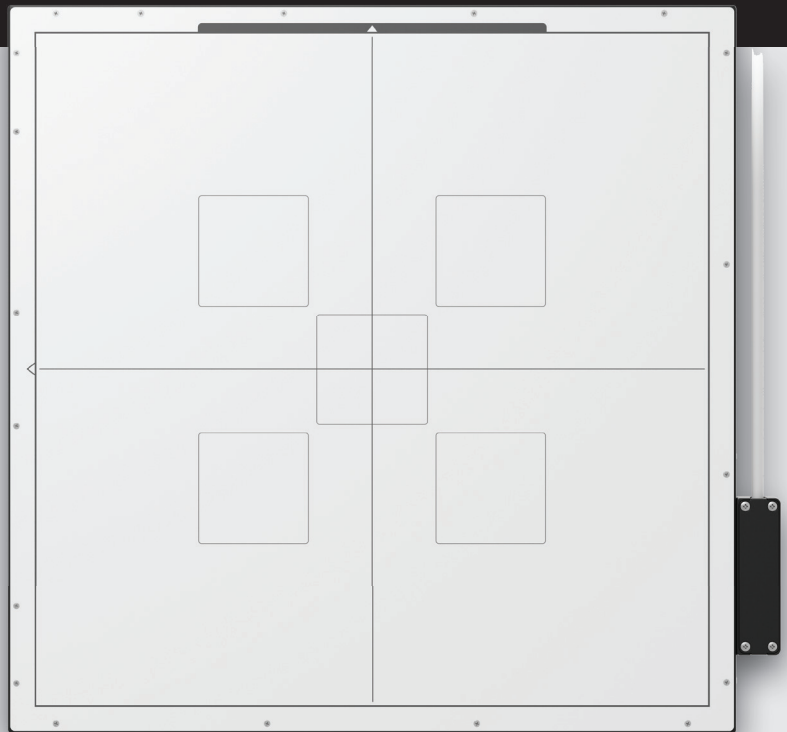


DIGITAL RADIOGRAPHY

CXDI-Elite

This Digital Radiography System with improved image quality allows for easy upgrades to your existing radiography equipment. It fits easily into most universal Bucky trays and includes a very reliable high speed wired connection.

CXDI-420C Fixed



High image quality
(DQE, MTF)

High speed operation

Built-in AEC Assistance*

Intelligent Noise Reduction*

*Sold Separately

Canon

Powered by Innovation.
Driven by Excellence.

Canon's New Mounted Type Detector CXDI-420C Fixed

Canon has extensively optimized pursued the operation speed. Short preview time, short cycle time, and full format size improve your radiography throughput.

- **Image Size : 17 x 17 inch**
- **Pixel pitch : 125 μ m**
- **Image Preview : 1 seconds***
- **Full exposure cycle time : 4 seconds***

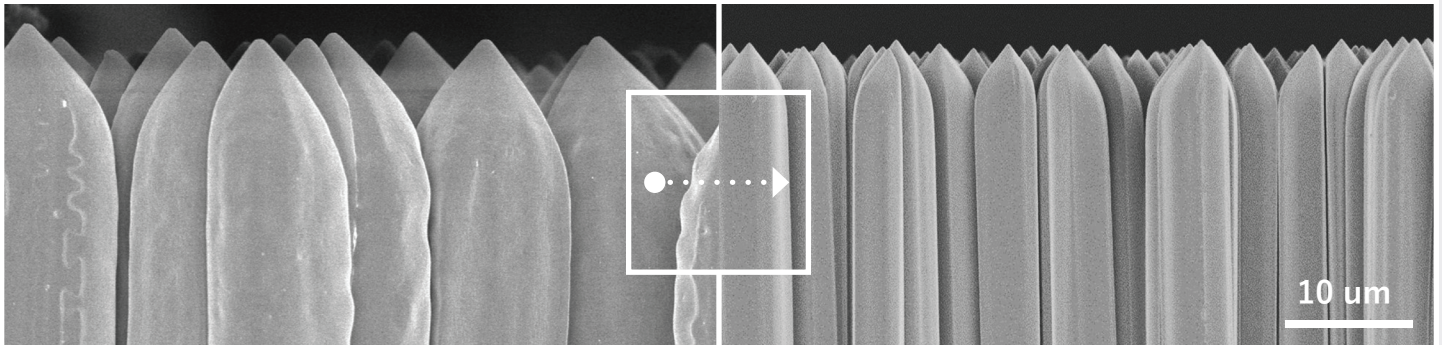
* Depending on acquisition mode



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.

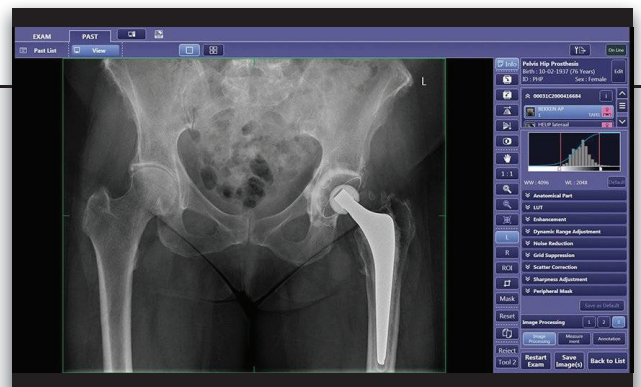
- **DQE : 16% improvement from prior models @ 0.5 lp/mm**
- **MTF : 29% improvement from prior models @ 2 lp/mm**



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 ■

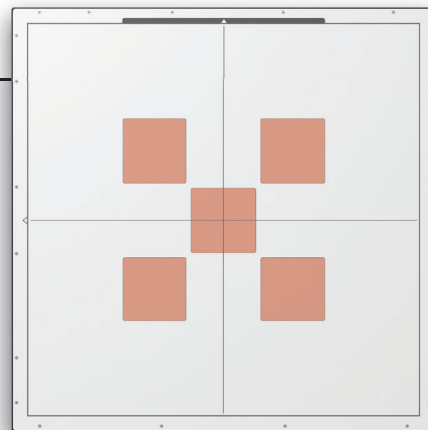
The CXDI Elite series allows for automatically terminated exposures without the use of an additional receptor (ion chamber, solid state paddle, etc.)

- There are 5 AEC Regions of Interest (ROI) .
- 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.

Built-in AEC Assistance

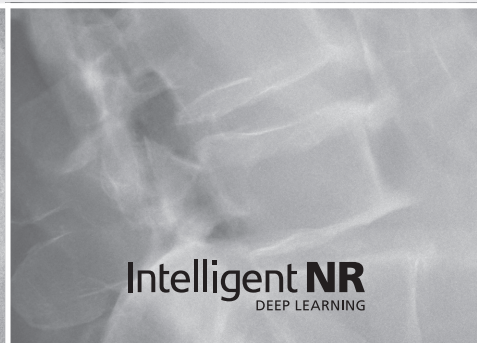
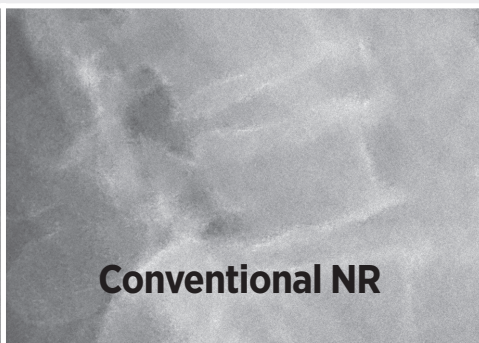
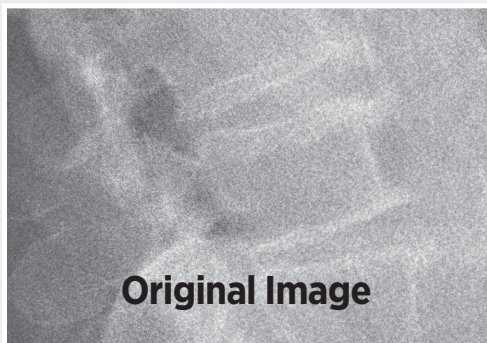
* Automatic Exposure Control

■ 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.

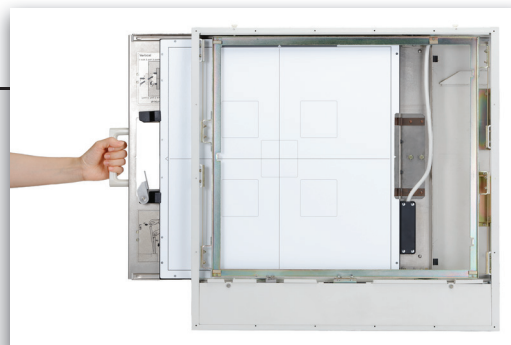


♦ Sold separately.

Easy Streamlined Upgrades

Fits easily into standard 17inch x 17inch Bucky tray without any modification.

This unit can be retrofitted into a range of radiography devices, such as upright stands and tables. Streamline your radiographic workflow with the CXDI-420C Fixed.



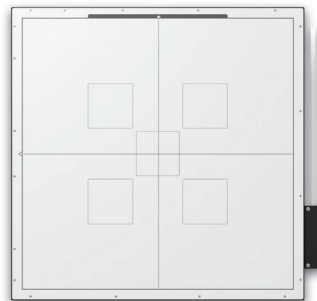
Detector sharing (sharable across systems)

The system can easily be expanded with additional Canon FPD's like our premium wireless panel running on the same CXDI Control Software NE platform.

Not only can multiple sensors of various models be added to one control station, the wireless panels can also be shared with other x-ray systems (stationary or mobile).



CXDI-Elite Fixed Digital Radiography Systems Specifications**



Model Name	CXDI-420C Fixed
Purpose	General Radiography
Method	Flat panel detector: scintillator & amorphous silicon (a-Si)
Scintillator	Cesium Iodide
Weight (exc. cable)	13.4 lbs. (6.1 kg)
Effective Imaging Area	426 x 426 mm (17 x 17 in)
External Dimensions	460 x 460 x 15.3 mm (18 x 18 x .6 in)
Image Matrix Size	3408 x 3408 pixels
Pixel Size	125 μ m
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 ◆
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.

† 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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DRB-045 Rev.A

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