

A man with long brown hair is kitesurfing on a blue wave. He is wearing a white t-shirt, dark shorts, and a black harness. He is holding the control bar of his kite, which is suspended by lines. The background is a clear blue sky and the ocean.

Canon



CXDI-RF WIRELESS B1 System

Canon's new multifunctional dynamic and static portable Flat Panel Detector with RF Controller software offers you a high level of flexibility in your Digital Radiography room.

- Light weight detector for multi-purpose X-ray rooms
- Static and Dynamic imaging without compromise
- Optional DSA and Tomosynthesis

CXDI Controller RF Software¹



including ‘Scatter Correction’, ‘Advanced Edge Enhancement’ (AEE)², ‘One Shot Long Length’³, Digital Subtraction Angiography (DSA), Tomosynthesis imaging options guarantee optimized image quality with the lowest possible dose; the industry standard DICOM 3.0 interface ensures multi-vendor and cross-platform connectivity in any situation.

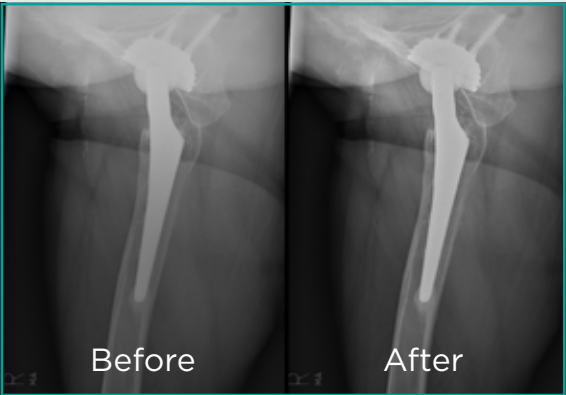
Tomosynthesis

Performing high-resolution limited-angle tomography at radiation dose levels comparable with projectional radiography.

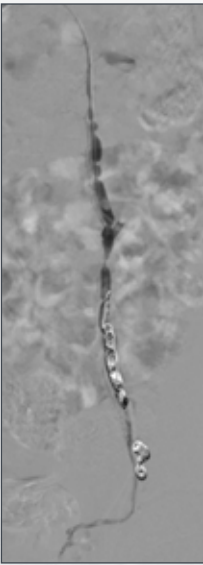


Scatter Correction for Static and Dynamic Imaging

Canon’s Scatter Correction reduces the effect of scattered radiation for non-grid examinations, allowing you to obtain images with outstanding contrast.



CXDI Controller RF software is made exclusively for use with Canon Digital Radiography systems. This imaging control and management software helps to optimize workflow and reduce the steps required to complete each examination quickly. The intuitive Graphical User Interface (GUI) can be used for all types of digital radiography modality and this commonality of GUI across the entire detector range is a major advantage when it comes to speed of operator training, user confidence, convenience and familiarity. Canon CXDI Controller RF software configuration options ensure a GUI that is always right for you. Optional comprehensive image processing

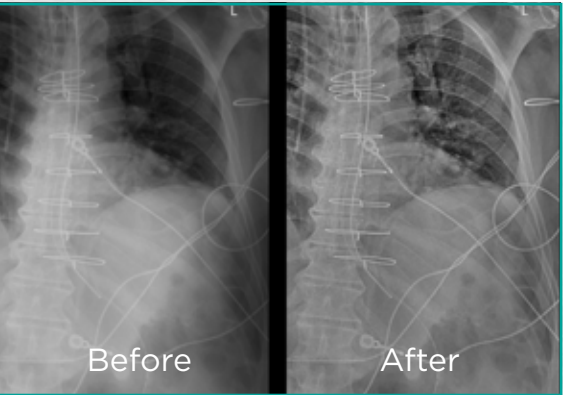


DSA

Digital subtraction angiography (DSA) is a fluoroscopy technique used in interventional radiology to clearly visualize blood vessels by eliminating (subtracting) radiopaque structures, such as bones or dense soft tissue.

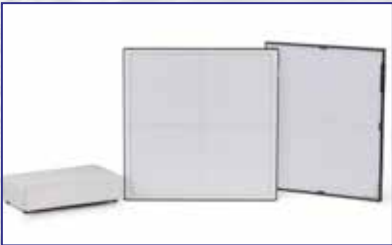
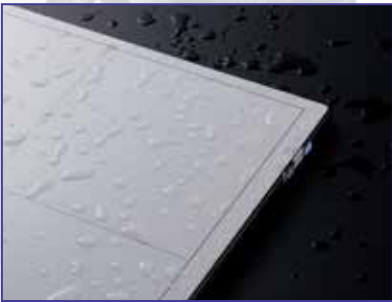
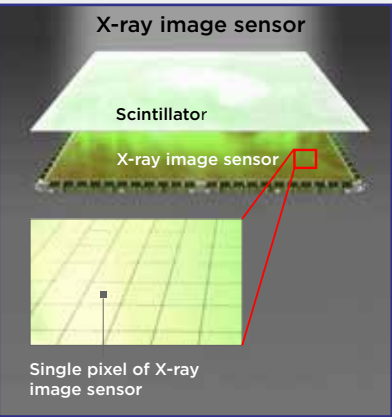
Advanced Edge Enhancement

Improved visualization of tubes, lines and bone details. The software has three different image processing algorithms (small structures, bone detail and catheter setting).



All-in-one Dynamic and Static FPD

CXDI-RF WIRELESS B1 offers clients true Dynamic and Static Imaging in one detector providing maximum flexibility in a clinical setting.



Built-in AEC Assistance

Thanks to the new real-time pixel readout technology, the new Canon detector is able to generate a signal to the generator when sufficient dose is received without the conventional technology to achieve the optimal dose versus image quality balance

Image quality at low dose

High quality dynamic and static imaging at low dose.

Ergonomic detector design

2 sculpted hand grips for a comfortable and effective grip. Easier and more comfortable to position behind a patient due to the shaped cover and smooth rounded corners.

Portable

True portability outside the Bucky for static imaging thanks to the low weight, magnetic connector, wireless functionality and ergonomic design.⁷

IP57 dust- and waterproof

Contact with fluids is inevitable, particularly in emergency- and high-dependency care. Our IP57 protection against liquid and dust entering the FPD provides you with extra assurance in the product, while it is in use under challenging conditions, or when cleaning the product for safety.

Low weight

Just 3.5kg for a dynamic and static FPD making this the ideal detector to be used outside the Bucky without strain for the users.

Detector sharing

Sharable across Multiple compatible systems. Additional static detectors can be added to the system for increased functionality.



CXDI-RF WIRELESS B1 System Specifications⁴

Model name:	CXDI-RF Wireless B1 ⁵
Scintillator:	CsI
Effective imaging area:	42 x 43 cm
Weight (incl. battery):	3.5 kg
External dimensions:	460 x 460 x 15.5 mm
Pixel pitch:	160 µm
DQE (0.5 lp/mm):	Typical 60%
MTF (2 lp/mm):	Typical 38%
IPX:	IP57 ⁶
Robustness:	Load:
	310 kg @ entire
	100 kg @ Ø 40 mm
	Drop height: 100 cm
I/F:	Wired: GigabitEther
	Wireless: IEEE802.11a/b/g/n
Frame rate Wired ⁷ :	5 fps @ 1x1
	15 fps @ 2x2
	30 fps @ 3x3 (9"x9")
Continuous X-Ray:	Supported

¹CXDI Controller RF Software version 3.00 onwards for support of CXDI-RF Wireless B1, CXDI-702 series and CXDI-710 series. Availability of optional functions subject to system integration.

²Only for static imaging.

³Only for static imaging with CXDI-710CW, CXDI-410CW.

⁴Specifications subject to change.

⁵CXDI-RF Wireless B1 system consists of various components.

⁶Based on tests conducted by an independent institution. Certification does not guarantee against failure or damage.

Dust- and water resistance may be compromised by substantial impacts (dropping, crushing, etc.).

⁷Wireless Dynamic imaging implemented later.