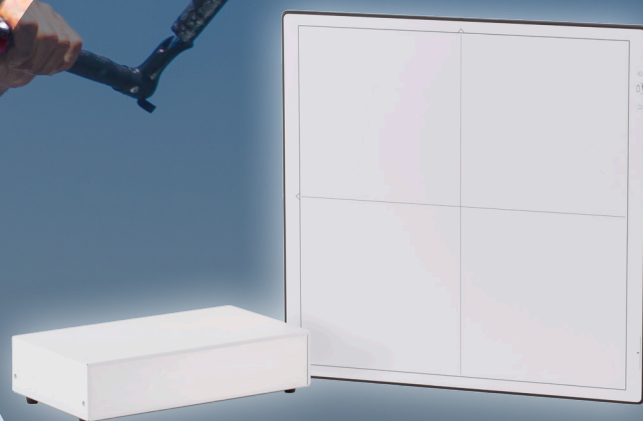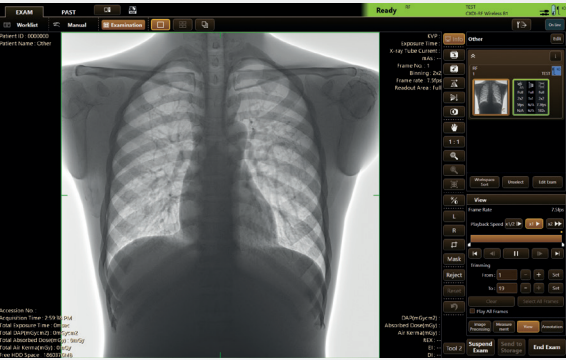# Canon

## 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 Software[1]



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. Comprehensive image processing 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.
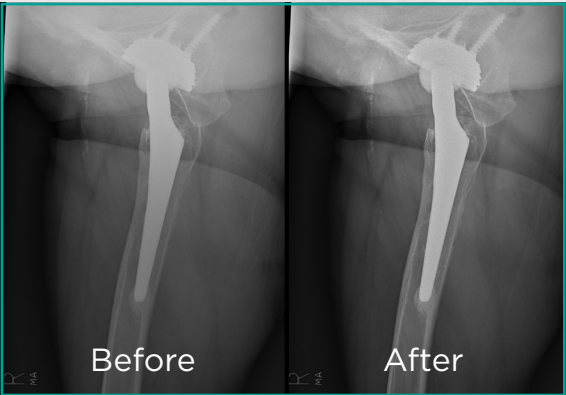
## Tomosynthesis
Performing high-resolution limited-angle tomography at radiation dose levels comparable with projectional radiography.



## 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.

## 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.

## 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).

Before    After

Before    After
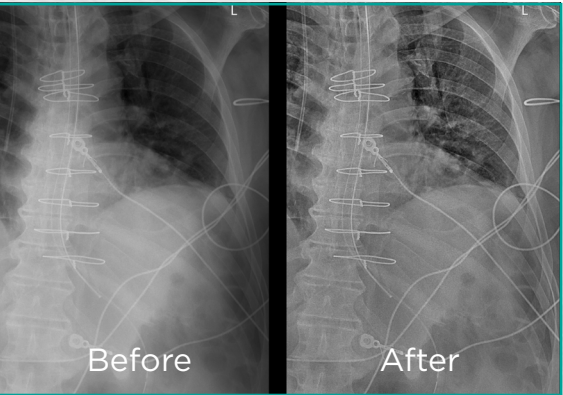
# All-in-one Dynamic and Static FPD

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

## Portable
True portability outside the Bucky thanks to the low weight, magnetic connector, wireless functionality and ergonomic design.

## 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.

## Image quality at low dose
High quality dynamic and static imaging at low dose.
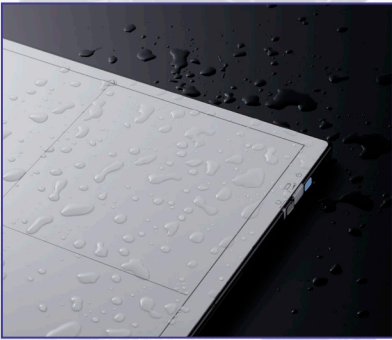
## IP57 dust- and waterproof
Contact with fluids is inevitable, particularly in emergency- and high-dependency care. Our IP57 protection against liquid and dust entering the FPD provides you with extra assurance in the product, while it is in use under challenging conditions, or when cleaning the product 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 Specifications[4]**

| | |
|---|---|
| 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 |

[1]CXDI Controller RF Software version 3.00 onwards for support of CXDI-RF Wireless B1, CXDI-702 series and CXDI-710 series.
[2]Only for static imaging.
[3]Only for static imaging with CXDI-710CW, CXDI-410CW.
[4]Specifications subject to change.
[5]CXDI-RF Wireless B1 system consists of various components.
[6]Based 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.).
[7]Wireless Dynamic imaging implemented later.