Canon

Easy Upgrade to DR with Non Synchronized Exposure (NSE)

In less than 2 minutes with just a few components you can upgrade your existing CR or Analogue mobile or fixed system to DR using Canon's latest Flat Panel Technology and Control Software. The NSE mode requires no modification to existing systems.

CXDI Control Software NE

- Optimized workflow
- Body parts and customer specific image processing
- Secure
- Optional features like scatter correction, advanced edge enhancement, Intelligent NR, Built-in AEC assistance, etc.

Scatter Correction

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)

Extend the life of your existing equipment and benefit from Canon DR instantly.

Only a few components are required to provide instant DR with most existing X-ray systems whether they are fixed, mobile or portable. This Canon solution is battery powered, has a low weight and thanks to the Non Synchronized Exposure mode, (NSE), no connection to the generator is required making this a solution that is easy to install and use anywhere.

Shareable across systems

- Benefit from the flexibility Canon has to offer and move the set-up between systems.

Optimal dose registration workflow

- With the optional USB DAP meter integration, the dose is directly added to the DICOM header of the image and available for further processing.
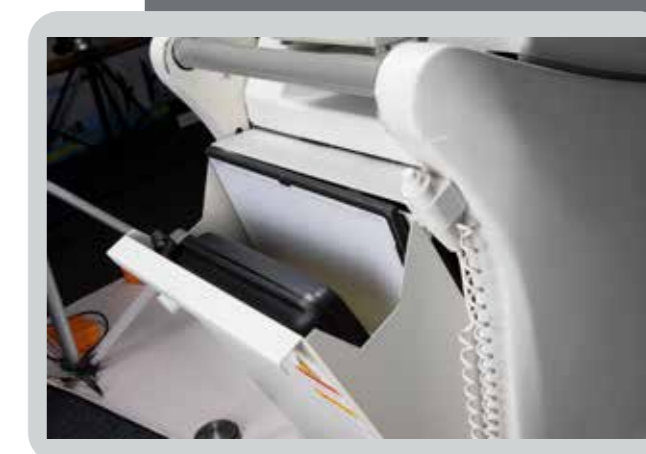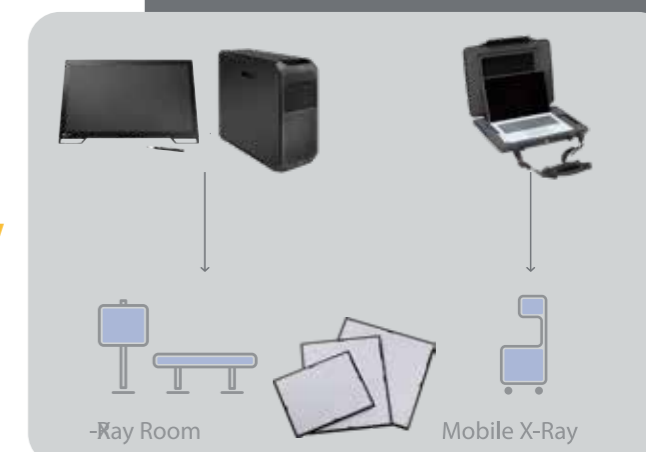
Key Features

- Use just some lightweight Canon components to create DR studies with most X-ray systems.
- No connections or modifications to your existing X-ray system necessary.
- Not tied to any X-ray system; simply pick up and move to another.
- NSE mode and Stand Alone[1] mode to capture exposures even without a laptop when needed.

Multifunctional protective case[2]

- Protective case to safely carry the laptop around and fits in most mobiles together with the detector.
- Storage in Laptop case for extra detector battery, ready indicator, wireless dongle and USB-C to ethernet adapter for wired connections.
- Second case is available for the battery charger and charger for the laptop.

Solution Composition

- Portable DR Workstation (laptop or desktop) with Canon CXDI-NE software.
- Canon Flat Panel Wireless detector (CXDI-710 or CXDI-702 series)
- Optional Protective cases.
- Optional Accessories: extra detector battery, ready indicator, wireless dongle and USB-C to ethernet adapter.

-Ray Room   Mobile X-Ray

CXDI-Elite / CXDI-Pro Series Specifications[3]

Model name:	CXDI-720C Wireless	CXDI-420C Wireless	CXDI-820C Wireless	CXDI-703C Wireless	CXDI-403C Wireless	CXDI-803C Wireless
Purpose:	General Radiography					
Scintillator:	CsI (Cesium Iodide)					
Weight (incl. battery):	2.3 kg	2.7 kg	1.8 kg	2.9 kg	3.5 kg	2.1 kg
Effective imaging area:	35 x 43 cm	43 x 43 cm	27 x 35 cm	35 x 43 cm	43 x 43 cm	27 x 35 cm
External dimensions:	38 x 46 cm	46 x 46 cm	31 x 38 cm	38 x 46 cm	46 x 46 cm	31 x 38 cm
Image matrix size:	2800 x 3408 pixels	3408 x 3408 pixels	2192 x 2800 pixels	2496 x 3040 pixels	3040 x 3040 pixels	1952 x 2496 pixels
Pixel size:	125 µm			140 µm		
Resolution:	4.0 lp/mm			3.5 lp/mm		
DQE:	Typical 74% (0 lp/mm) / 67% (0.5 lp/mm)[4]			Typical 65% (0 lp/mm) / 58% (0.5 lp/mm)[4]		
Grey scale:	A/D: 16bit			A/D: 16bit		
Preview image time:	1 sec.[5]			1 sec.[5]		
Cycle time:	4 sec.[5]			<5 sec.[5]		
Dust- and waterproof:	IP57[6]			IP55[6]		
Battery performance:	Standard Synchronisation mode: Approx. 2000 images @ 7 sec. cycle, 100 images @ 100 sec. cycle. Non-Generator Connection mode: Approx. 1900 images @ 7 sec. cycle, 145 images @ 100 sec. cycle.			Standard Synchronisation mode: Approx. 1500 images @ 7 sec. cycle, 140 images @ 100 sec. cycle. Non-Generator Connection mode: Approx. 1500 images @ 7 sec. cycle, 140 images @ 100 sec. cycle.		
Charging performance:	Detector charging in detector stand: approx. 150 min.[7] In battery charger: approx. 150 min.			Detector charging in detector stand: approx. 150 min.[7] In battery charger: approx. 150 min.		
Wireless channel/band:	2.4 GHz, 5 GHz (W52, W53, W56, W58)[8]			2.4 GHz, 5 GHz (W52, W53, W56, W58)[8]		

[1]Only for CXDI-Elite series.
[2]Protective cases can be ordered from Oldelft Benelux B.V
[3]Specifications subject to change.
[4]0 lp/mm is extrapolated value IEC62220-1-1 2015 (RQA5).
[5]Dependent on acquisition mode.
[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]At an ambient temperature of 25°C
[8]W53, W56 is not supported by AP mode.

DR.DRin2Min 032023 V1