

DelftDI Modality Overview 2020



About Us










Canon Medical Systems offers a complete range of Digital Radiography solutions for all areas of the hospital environment, for medical centres and even for field and rescue forces, operating in difficult terrain. Whatever the Digital Radiography application, wherever is needed, we supply the ideal solution.

Furthermore, DelftDI as part of Canon Medical Systems, specialises in digital X-ray imaging systems,

systems integration and service of a wide variety of customised complete solutions for radiology departments.

DelftDI incorporates Canon's Digital Radiography Flat Panel Detectors (DR FPD) products in their services. We strongly believe, that technology has a key role to play in making organizations more patient centric and improving quality of care.

We have been working closely with healthcare organizations for 75 years, in order to develop innovative technological solutions to meet different needs, from better document management to dedicated eye care and digital radiography solutions.

Delft DI	General X-ray	Orthopaedics	Resuscitation	Traumatology	Paediatrics	Fluoroscopy	Mobile DR	Urology
 Aceso+	++	++	+	+	++	-	-	-
 Adora DRi	++	++	-	-	++	-	-	-
 Aceso	++	++	+	+	++	-	-	-
 Compass DR	+	+	-	-	+	-	-	-
 Easy DR	+	+	-	-	+	-	+	-
 Mobile DR	+	+	+	+	+	-	++	-
 Trauma DR^{PLUS}	+	+	++	++	+	-	-	-
 Uromat RF	-	-	-	-	-	+	-	++
 Adora DRFi	++	++	-	-	++	++	-	+

Aceso+

High-end solution for all radiographic applications

Aceso+ represents the ultimate combination of auto-positioning technology with ergonomic design. The result is an advanced digital radiography system that creates a comfortable and efficient working environment and maximises patient throughput.

Aceso+ also features automatic image stitching for exceptional convenience and image quality in studies such as full spine and long leg imaging. Manual system handling, and therefore user strain, is almost eliminated as all X-ray system positioning components are motorised.

An extended range of movements ensures that all positioning requirements are easily met.

A touchscreen information display integrated on the X-ray tube support allows access to, and the ability to amend on the fly, a variety of examination information such as:

- Patient information (with on/off display capability)
- Study Name
- Generator Exposure Parameters (amendable)
- Automatic Exposure Control (amendable)
- X-ray Tube Tracking selections
- Image Stitching selections
- Post-exposure Image display (with on/off display capability)

The Aceso+ tubehead display allows users to work in the way they find most convenient and efficient. The positioning components offer the most extensive auto positioning system currently available. It's fast, accurate and very versatile and the process can be RIS-controlled or fully user-defined. You have the freedom to decide; you're always comfortably in control with Aceso +.

Key Features

- Optimised workflow for high volume patient throughput
- High efficiency with RIS-integrated workflow
- Smart Automatic Positioning
- Fully Automatic Image Stitching
- Advanced 6-way Patient Table with motorised adjustment and motorised detector tracking
- Acquisition workstation with large DICOM-calibrated touchscreen display
- Canon CXDI-NE Image Acquisition, Management and Distribution software with X-ray generator integration
- Choice from the most extensive range of Flat Panel Detectors available made by Canon - the name you can trust
- 125µm detector pixel pitch for highest resolution imaging
- High sensitivity detector scintillator for lowest patient X-ray dose and shortest exposure times
- Sophisticated image processing for optimised diagnostic presentation
- Share Detectors between different modalities



Adora DRi

Inspired by users, the Adora DRi offers the ideal way to boost productivity and improve health care delivery. It provides versatile, fast and accurate digital DR imaging from every examination angle imaginable - surprisingly simple to use and easy to maintain clean and hygienic. It improves the working environment for staff and prioritises patient comfort and care.

Manual handling is reduced to a minimum: inMotion auto-positioning enables automatic operation with smooth, power-assisted movements and direct positioning of the detector and tube, even for complex DR examinations. Up to 999 APR auto-positions, including all examination parameters, can be programmed using the anatomical DR programme selection

The ergonomic SmartHandle joystick enables hands-on, power-assisted positioning in all three dimensions. Built in inTouch technology ensures seamless and safe operation of all joysticks by lighting up at the base when activated by the touch of a finger. It can be activated any time for manual operation, e.g. minor adjustments of pre-set auto-positions.

A large 12" floating tube touch screen - which displays and controls the

SmartHandle movements - tilts to keep text horizontal to the user at all times. Short and simple menus and self-explanatory icons guide the user through the DR process, from positioning, through collimation to generator control.

The durable carbon fibre patient table with a floating top and 340° rotation around the base ensures easy access around the table for patients as well as wheelchairs, stretchers and beds even in small rooms.

The tube and detector are suspended in one ceiling unit, rotating around its centre suspension axis. The two telescopic arms supporting the tube and detector can be positioned individually. This facilitates lateral projections from each side of the table - enabling both right and left axial hip imaging, without repositioning the patient.

Images can be previewed immediately after exposure, and a fast refresh cycle allows for the next exposure to be made almost instantly. Upon approval, images can be selected and sent straight to the hospital PACS system. The Adora system is DICOM compatible, HIS/RIS ready and integrates seamlessly into hospital information systems.

Key Features

Unique versatility

- PositionAnywhere, i.e. imagine any projection and perform it, and save it as an auto-position for future use
- 999 programmable APR's and auto-positions
- Enables patella skyline examinations, straight and oblique projections without manual detector handling
- Motorized detector/tube positioning
- Single-side suspended table, max. 250 kg patient weight
- 340° rotating table for max. flexibility even in small rooms - make space for wheel chairs and bedside examinations
- AccessAnywhere, provides easy patient access all around the table and optimal cleaning conditions

State-of-the-art ergonomics

- Designed to minimize stress on staff and maximise patient comfort
- One-touch, stress-free DR with minimum manual handling
- Automatic, smooth, low-noise motorised movements
- SmartHandle with inTouch technology and light indicator for direct and intuitive manual control & adjustments
- 12" floating touch screen user interface remains horizontal to the user regardless of tube rotation
- Configurable inlight in equipment ceiling dims when the collimator light is activated

Advanced Canon technology

- Extensive portfolio of Canon CXDI Flat Panel detectors
- Docked in Adora detector dock and/or wireless, portable
- High resolution; 125 µm pixel pitch
- Best performance in workflow, sensitivity, image quality and versatility
- Light weight and robust
- Wireless detectors can be shared across rooms and modalities



Aceso

Versatile solution for all radiographic applications

The Aceso is a general trauma and radiography system meeting all current safety guidelines and regulations. Aceso combines a new lightweight ceiling suspended X-ray tube support, a 6-way patient table, a patient wall-stand and high frequency X-ray generator with the latest DR technology from Canon - and includes a large touchscreen user-interface and info-display at the tube head.

This easy to use system incorporates both manual and motorised movements. The ceiling X-ray tube support benefits from motor-assisted vertical movements and vertical auto-tracking to the Wall Stand and Table heights for added convenience. Mo-

torised height adjustment of the table is combined with smooth floating table top movements for quick and efficient patient positioning.

The Aceso is an extremely simple to use and intuitive radiography system designed for general purpose radiography where it is well suited to both in- and outpatient imaging as well as for the demands of accident and emergency imaging. The system is delivered fully-tested and ready for a plug-in installation allowing for quick installation into a suitably prepared X-ray room.

It includes a fully integrated Canon DR system for instant film- and digitizer-free imaging.

Key Features

- Optimised workflow for medium volume patient throughput
- High efficiency with RIS integrated workflow
- Lightweight manual Alpha, Beta, X and Y movement
- Motorised Z-movement
- Smart Chest and Table tracking
- Floating tabletop
- Acquisition station with large DICOM calibrated touchscreen display
- Canon NE acquisition software with generator integration
- Possibility to install in low ceiling X-ray rooms



Compass DR

The Height-Adjustable Bucky Table

Compass provides a comprehensive solution for use in small clinics as well as small X-ray rooms, and includes a height-adjustable Bucky table with an integrated column system and wall mount. It is easy to manage imaging on standing, seated, or recumbent patients. Even lateral imaging can be done easily.

The height adjustability of the Bucky table makes it easy for patients to get on and off and provides an optimised working height for the user. A patient-bearing load of up to 320 kg enables examination of adipose patients. The movable Bucky drawer and optional transversally displaceable X-ray carrier arm, in conjunction with the floating and removable tabletop, enable diagnosis of the entire trunk of the patient without repositioning.

Using the optional automatic Bucky coupling guarantees permanent centring of the X-ray beam. When used together with a Wall Mount unit, an x-ray can be taken of standing or seated patients. For this purpose, the columns are moved to both ends of the table.

Key Features

- Entry level DR system for medium volume patient throughput
- High efficiency with RIS integrated workflow
- Manual movements
- Easy installation, no ceiling suspension
- Floating tabletop
- Acquisition station with large DICOM calibrated touch screen display
- Canon NE acquisition software with generator integration
- Extensive portfolio of Canon CXDI Flat Panel Detectors
- High resolution, 125µm pixel pitch
- High sensitivity
- Sophisticated Image processing for highest diagnostic value
- Detector exchangeability between different DelftDI modalities

Optional:

- Patient positioning accessories



Easy DR

Easy DR - Compact and robust

The Easy DR system combines the advantages of a compact, easy to install system with proven Canon digital imaging technology. This extremely robust system can be installed in a mobile vehicle or in container, which can be a major benefit for field deployable requirements. The versatile Easy DR is ideal for chest imaging but also suited for general radiography.

Easy DR uses Canon's intuitive 'CXDI-NE' Graphical User Interface (GUI), which is common to all DelftDI digital radiography modalities. This commonality of Canon GUI across the DR product range is a major advantage when it comes to speed of operator training and user familiarity and convenience. The configuration options ensure a GUI that is right for you; comprehensive image processing choices

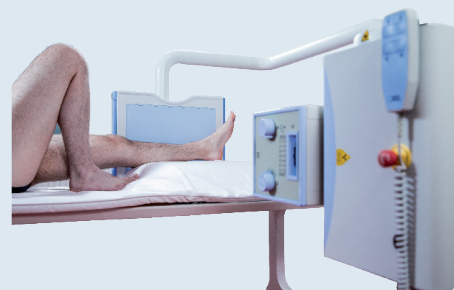
guarantee optimised image quality every time and the industry standard DICOM interface ensures multi-vendor and cross-platform connectivity in any situation.

There's just one compact X-ray system we recommend for smaller X-ray rooms and mobile screening centres: DelftDI Easy DR!

DelftDI Easy DR is the smart and robust digital radiography system that guarantees the maximum patient throughput whilst requiring the minimum of your valuable space. It has the versatility to be used for most radiographic procedures and is robust enough to sustain continuous use around the clock. Such a large capability with a small X-ray system - now that's impressive!

Key Features

- Unique compact solution with easy installation in small rooms, a vehicle or mobile container
- Multipurpose floor-mounted X-ray system
- Vertical and horizontal positioning of the U-arm
- Removable anti-scatter grid
- Acquisition station with large DICOM calibrated touch-screen display
- Canon CXDI-NE acquisition software with X-ray generator integration
- Canon large area direct digital Flat Panel Detector with very high X-ray sensitivity for lowest patient dose
- Instant image display allowing very high patient throughput



Mobile DR

The future of mobile imaging in your hands today

Great things come in small packages and the DelftDI Mobile DR battery-operated mobile direct digital radio-graphic (DR) system is the perfect example. The ultra-compact design and the motorised collapsible tube support column provide a clear forward view for the user when driving the unit to and from your patients. The DelftDI Mobile DR's small form houses, amongst other advanced technologies, a unique, powerful and long-life battery pack offering unsurpassed endurance - a full day's work on a single charge - and superfast charging times. Even a quick 10-minute charge time when the battery is depleted will provide up to 30 minutes

use. So impressive is the DelftDI Mobile DR's battery pack that we even include an extended battery warranty. Smart whilst robust design has sculpted the Mobile DR into a featherweight unit around 200 kg lighter, and with a significantly smaller footprint, than most other motorised mobile X-ray units available in the marketplace; this fact, together with the powerful electric motors and the highly manoeuvrable chassis, make it a real pleasure to use. Couple this advanced motorised mobile technology with the hugely successful and well-appreciated Canon wireless flat-panel detectors and DR user-interface and the result is the ultimate in mobile X-ray imaging technology.



Key Features

- Lightweight and very compact for improved manoeuvrability
- Advanced new battery technology for exceptional power and life
- Achieve a full day's work on a single charge
- Superfast charging times eliminates unexpected unserviceability of a mobile unit
- Collapsible column providing clear forward visibility during transport

- Height and reach adjustable drive handle reduces work-related strain & customizes the unit to your preference
- Mini Joystick on the tube assembly allows full movement control when positioning at the bedside
- Integrated battery charger for Canon wireless flat panel detectors
- All cables tidied away making the unit easy to clean
- Large 17" adjustable touchscreen display with DICOM pre-set for optimum image viewing conditions
- Integrated storage compartments for Canon portable detectors ensures they are kept safe during transport
- DAP meter integrated inside the collimator provides patient dose information to PACS
- LED collimator light - no more frustrating halogen lamp failures
- Colour LED indicator lights clearly indicate the current status of the unit
- Integrated Canon CXDI Control Software NE -quick to learn, easy and fast to use
- Optional tablet computer allows connection to the Radiology Information System (RIS)



Trauma DR^{PLUS}

The Trauma DR^{PLUS} X-ray system is a solution for trauma wards and emergency rooms.

The DelftDI Trauma DR^{PLUS} is a dedicated and unique digital radiography solution for trauma departments and emergency rooms. The system can be manoeuvred around the patient quickly and easily without any need to move the patient, especially important in critical trauma situations including spinal injuries.

This system comprises a U-arm and the X-ray beam always remains centered to the image receptor so you never have to worry about misalignment. A wireless portable Canon Flat Panel Detector (FPD) provides instantaneous imaging and benefits from the integrated Automatic Exposure Control (AEC). This provides the highest possible image quality and

ensures accurate and repeatable exposures with the lowest patient X-ray dose.

High Workflow Efficiency

After extensive clinical study, Trauma DR^{PLUS}'s image receptor / X-ray tube support positioning arm has been optimised with a source detector distance of 135cm and with an overall width minimized to a slim 55cm. This allows easy and fast positioning which, in combination with super-fast Canon DR imaging, results in quicker examination completion times. The wide range of Trauma DR^{PLUS} movements allows the positioning arm to be used for precise and easily manoeuvred horizontal beam projections, resulting in stress-free lateral imaging without having to move the patient.

Key Features

- large area of X-ray coverage
- Source Detector Distance: 135cm
- Slimline 55cm positioning arm assembly width
- High patient throughput capability
- Easily positioned for horizontal beam lateral imaging
- Large, clear interactive tubehead display
- Free adjustment of the X-ray beam projection angle
- Integrated cable management system
- Motor-assisted vertical movements
- Automatic Exposure Control
- Integrated Dose Area Product (DAP) meter
- Removable anti-scatter grid
- Removable Wireless DR Detector for increased versatility
- RIS-integrated workflow
- Powered by Canon



Uromat RF

Universal solution for Urology and Fluoroscopy

The DelftDI Uromat RF is a urological examination and operating table, which is equipped with the Canon CXDI-50RF dynamic Flat Panel detector. It is suitable for urological examinations and diagnostic work, as well as for minimally invasive urological surgery. This includes transdermal procedures, such as endoscopies, kidney/urinary stone operations, and procedures involving the prostate, bladder, and ureter.

The Uromat provides convenient access for the patient as well as optimum and ergonomic operating conditions for the user. The patient table is accessible from all four sides so that moving the patient is no longer necessary, even during comprehensive procedures and examinations.

The imaging area of 35 x 43 cm covers the complete abdomen including the KUB (Kidney Ureter Bladder) without any limitations. This ensures an optimal workflow combined with the best possible image quality for the mentioned procedures.

Key Features

- Convenient to work with due to easy ergonomics
- Uncompromised Direct Digital Radiography & Fluoroscopy
- Isocentric Motorised tilting
- Optimised working position for Urologists and nurses
- High KUB (Kidney Ureter Bladder) FOV
- Highly configurable with modular design
- Multi function footswitch
- Easy to clean
- Single acquisition station with large display for fluoroscopy and radiography
- Canon RF acquisition software with generator integration
- Canon's CXDI-50RF portable 35 x 43cm detector suitable for both fluoroscopy and radiography, 160 µm pixel pitch
- Sophisticated Image processing for highest diagnostic value

Optional:

- Eswl option
- Tabletop extension
- Footrest (only with tabletop extension)
- Infusion arm rest
- Infusion bottle holder
- Compression belt
- Leg supports
- Shoulder rests
- Handgrips
- Head cushion with mount
- Paper roll holder (only with head cushion mount)
- Rinse bowl
- Rinse bag mount
- Micturition seat



Adora DRFi

A hybrid solution inspired by you

The Adora DRFi is a versatile and cost-effective solution for multi-purpose examination rooms. It combines static X-ray radiography with serial imaging and low dose fluoroscopic capabilities, and enables an unprecedented level of flexibility and capacity utilization. Examinations traditionally made on separate equipment – DR and RF – can be made on one system, and the hybrid imaging solution facilitates new examination procedures.

Examples of direct benefits are efficiency gains such as improved workflow, shorter and more efficient examination cycles, higher patient throughput, and more efficient allocation of staff and equipment. Manage more with less. Less effort, less resources and, depending on future requirements: fewer examination rooms.

Efficient examination cycles translates into enhanced patient comfort and improved diagnostic quality, and staff benefits from reduced stress and physical strain in one-room-exams using a system, that in all aspects is easy and straightforward to use, and is designed to minimize heavy work.

Adora DRFi offers all the operational advantages of the Adora DRi qua design (see separate product sheet) and adds functionality specifically required for RF and fluoroscopy. With FluoroAnywhere, fluoroscopy examinations can be performed at the table, in beds and wheelchairs or free-standing in the room.

Complete remote control of the Adora DRFi is possible from the control room using an ergonomic remote, InTouch enabled joystick and the remote user interface, conveniently accessible from the same monitor that runs the generator UI. A live monitor and exposure foot switch assist in-room, table-side examinations; and with the inControl console the radiologist gains complete control of the system from within the room.

The Canon CXDI Control Software RF provides smooth acquisition of both radiographic and fluoroscopic images. It is designed to be intuitive and easy to use, and offers advanced image processing showing the subtle details of bone structure and soft tissue. The Adora DRFi system is DICOM compatible, HIS/RIS ready and integrates seamlessly into hospital information systems.

Key Features

Unique versatility and ergonomics

- Position Anywhere, i.e. imagine a projection, perform it and save it as an auto-position for future use
- Save up to 999 APR auto-positions; execute using the inMotion positioning technology
- FluoroAnywhere for max. flexibility in fluoroscopy examinations
- Enable unique lateral projections, and e.g. patella skyline without manual detector handling
- Motorised detector/tube positioning; easy handling
- Single-side suspended table, max. 250 kg patient weight
- 340° rotating table for max. flexibility even in small rooms
 - make room for wheel chairs and bedside examinations
- AccessAnywhere provides easy patient access all around the table and optimum cleaning conditions

Added RF capabilities

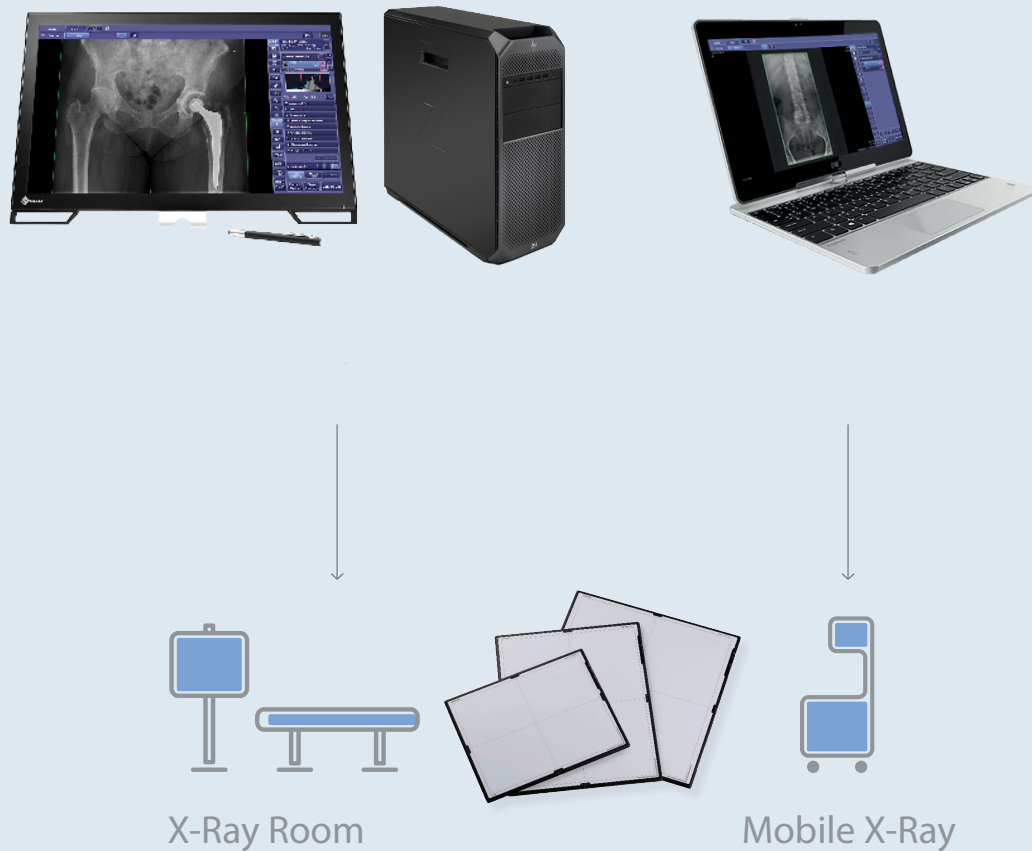
- Complete in-room system control from any position using the inControl console
- In-room monitor and foot switch for e.g. table side examinations
- Supports a wide array of RF examinations: Arthrography, Pyelogram, Cystogram/Retrograde Urethrogram, Oesophagram/Barium Meal (standing), Nephrostomy tube insertion, Small bowel follow through, Sialogram/fistulography, Cholangiogram (no DSA), Myelography (contrast agent injection), Positioning fluoroscopy, and more
- Up to 30 frames/sec. in fluoroscopy mode
- Multi-frame radiographic imaging at up to 15 frames/sec.

Advanced Canon technology

- Canon CXDI-50RF in detector dock; wired, portable
- 43 x 35 cm effective imaging area
- Fluoroscopy & serial imaging from docked position only
- Add wireless portable Canon CXDI Flat Panel detectors.
- Outstanding performance in workflow, sensitivity, image quality and versatility
- Light weight and robust
- Wireless detectors can be shared across rooms and modalities



Exceptional DR in Two Minutes



Breathe new life into your existing equipment; fixed, mobile, even portable systems can instantly benefit from Canon DR.

Only 2 Canon DR components are required to provide instant DR with any existing X-ray system. And you're not tied thereafter to just that one X-ray system. Canon provides you with the freedom to move between systems; just pick up and go! It's smart, lightweight and battery-powered.

Solution Composition

- Portable DR Workstation (laptop or desktop)
- Canon Flat Panel detector (CXDI-410CW / CXDI-710CW / CXDI-810CW Wireless)
- 'Grab & Go' bracket (optional)

'Grab & Go' bracket

For convenient, secure and effortless transportation in one hand, the Grab & Go bracket offers a solid personal solution for moving the DR Workstation portable PC and the CXDI-710C

Wireless 35x43cm DR Detector between locations. This portable solution is easily set up in any X-ray room or even with an existing mobile X-ray system, as the Grab & Go fits into popular analogue mobile cassette storage bins.

System Key Features

- Easily add DR to any X-ray system using just 2 lightweight components
- 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
- Option for integrated USB DAP Meter

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.

Canon's CXDI-410C Wireless, CXDI-710C Wireless and CXDI-810C Wireless¹

Canon's state of the art wireless detector line-up takes you to new heights of possibilities in Digital Radiography. Reduced weight, water-proof, on-board memory and enhanced detector design are just a few of the clinically beneficial new features.

**HIGH
END**



CXDI-710C Wireless



CXDI-810C Wireless



CXDI-410C Wireless

Model name:	CXDI-710C Wireless	CXDI-810C Wireless	CXDI-410C Wireless
Purpose:	General Radiography		
Scintillator:	CsI (Cesium Iodide)		
Weight (incl. battery):	2.3 kg	1.8 kg	2.8 kg
Effective maging area:	35.0 x 42.6 cm	27.4 x 35.0 cm	41.5 x 42.6 cm
External dimensions:	38.4 x 46.0 x 1.57 cm	30.7 x 38.4 x 1.57 cm	46.0 x 46.0 x 1.57 cm
Image matrix size:	2800 x 3408 pixels	2192 x 2800 pixels	3320 x 3408 pixels
Pixel size:	125 µm		
Resolution:	4.0 lp/mm		
DQE:	Typical 65% (0 lp/mm)		
Grey scale:	A/D: 16bit		
Preview image time:	1 sec. ²		
Cycle Time:	7 sec. ²		
Dust- and waterproof:	IP57 ³		
Battery performance:	Standard Synchronisation mode 1000 images @ 7 sec. cycle, 108 images @ 100 sec. cycle.		
	Non-Generator Connection mode 1000 images @ 7 sec. cycle, 90 images @ 100 sec. cycle.		
Charging performance:	Detector charging in docking station: approx. 120 min. ⁴ In battery charger: approx. 150 min. ⁴		
Wireless channel/band:	2.4 GHz, 5 GHz (W52, W53, W56, W58) ⁵		

¹Specifications subject to change.

²Dependent on acquisition mode.

³Based 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.).

⁴At an ambient temperature of 25°C.

⁵W53, W56 supports only in module receiver mode.

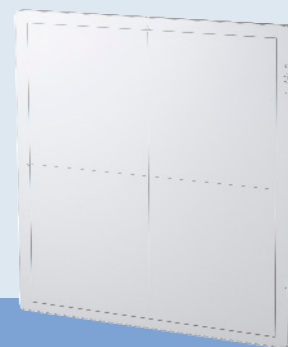
Canon's CXDI-402C Wireless and CXDI-702C Wireless¹

Canon's new mid-range generation wireless systems bring you a new range of possibilities in digital radiography. This new line reduces weight, is IP55 dust and waterproof, and has enhanced ergonomic detector design. These are just a few of the new features that are clinically beneficial.

**MID
RANGE**



CXDI-702C Wireless



CXDI-402C Wireless

Model name:	CXDI-702C Wireless	CXDI-402C Wireless
Purpose:	General Radiography	
Scintillator:	CsI (Cesium Iodide)	
Weight (incl. battery):	3.1 kg	3.7 kg
Effective imaging area:	35.0 x 42.6 cm	41.5 x 42.6 cm
External dimensions:	38.4 x 46.0 x 1.57 cm	46.0 x 46.0 x 1.57 cm
Image matrix size:	2800 x 3408 pixels	3320 x 3408 pixels
Pixel size:	125 µm	
Resolution:	4.0 lp/mm	
DQE:	Typical 65% (0 lp/mm)	
Gray scale:	A/D : 16bit	
Preview image time:	1 sec. ²	
Cycle Time:	7 sec. ²	
Dust- and waterproof:	IP55 ³	
Battery performance:	Standard synchronization mode 1000 images @ 7 sec. cycle, 108 images @ 100 sec. cycle.	
	Non-Generator Connection mode 1000 images @ 7 sec. cycle, 90 images @ 100 sec. cycle.	
Charging performance:	Detector charging in docking station: approx. 120 min. ⁴ In battery charger approx. 150 min. ⁴	
Wireless channel/band:	2.4 GHz, 5 GHz (W52, W53, W56, W58) ⁵	

¹Specifications subject to change.

²Dependent on acquisition mode.

³Based on tests conducted by an independent institution.
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Dust and water resistance may be compromised by
substantial impacts (dropping, crushing, etc.).

⁴At an ambient temperature of 25°C.

⁵W53, W56 supports only in module receiver mode.

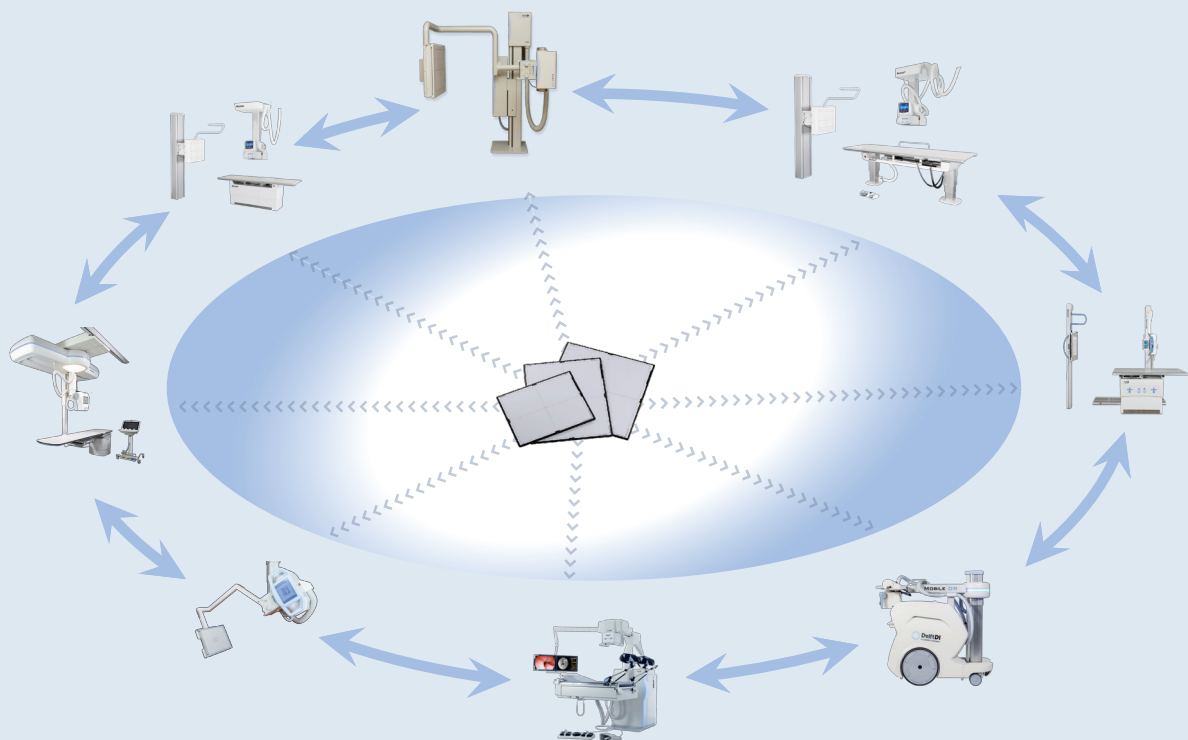
Canon Flat Panel Detectors inside

At the core of DelftDI Solutions are state-of-the-art Canon Flat Panel Detectors (FPD's). Canon FPD's are renowned for their consistent ability to offer the very highest image quality whilst demanding the lowest patient X-ray dose. They are also character-

ized by outstanding robustness and reliability that is second to none. Canon wireless portable FPD's are exceptionally versatile and allow use both in and out of X-ray bucky's, in patient beds and on trollies and have the added benefit that they can be

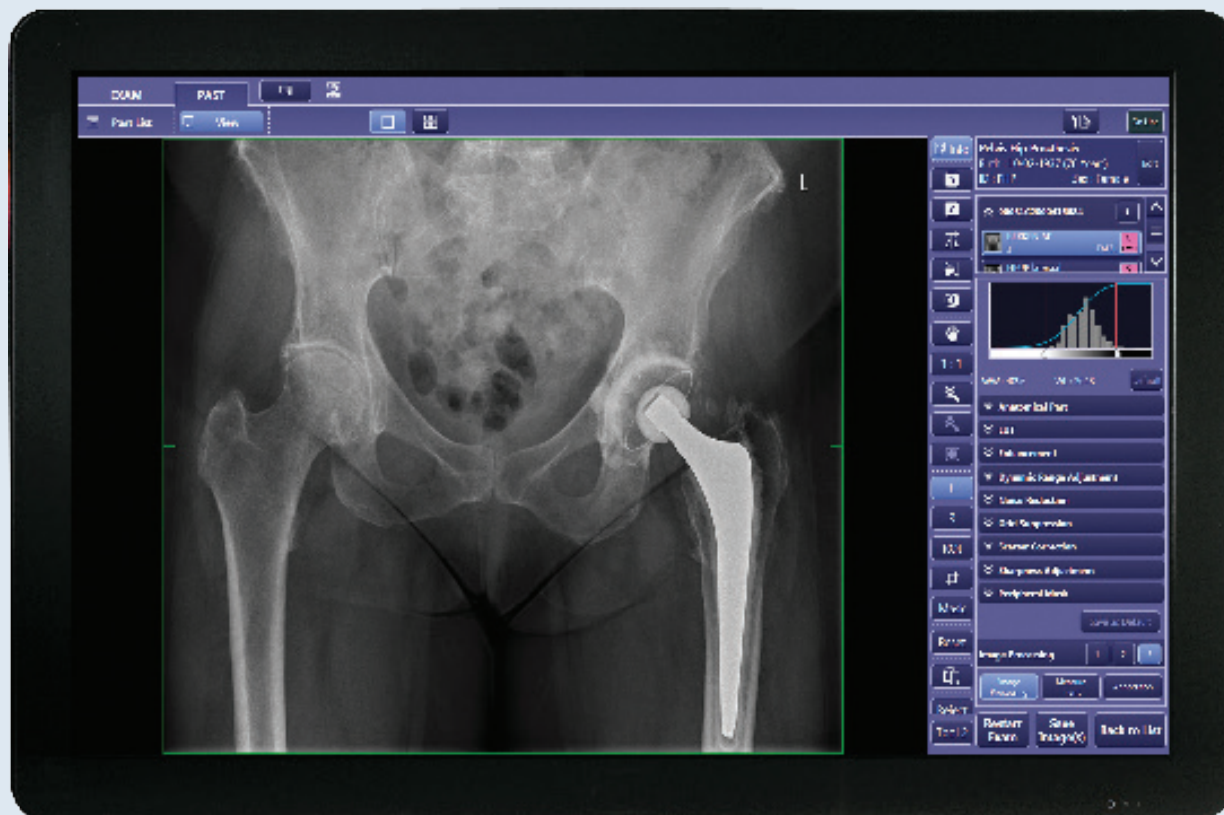
shared between different DelftDI modalities including fixed systems and mobiles, so providing additional resilience and cost-effectiveness.

Share your detector



CXDI Control Software NE

CXDI Control Software NE is made exclusively for use with Canon Digital Radiography systems. This software helps to optimise workflow and to reduce the steps needed to complete exams. It provides quick image confirmation and timely network distribution, supports multiple study acquisition, can be easily tailored to individual clinical preferences and helps provide the delivery of consistent, high-resolution images with the Canon CXDI Digital Radiography systems. In addition, this proprietary software solution is Integrating the Healthcare Enterprise (IHE) compliant and has features that can help practitioners with their HIPAA compliance efforts.



Intuitive interface

Canon's intuitive 'CXDI-NE' Graphical User Interface (GUI) can be used for all types of digital radiography modality and this commonality of GUI across the entire DR product range is a major advantage when it comes to speed of operator training, user confidence, convenience and familiarity. Canon CXDI-NE software configuration options ensure a GUI that is always right for you. Comprehensive image processing including 'Scatter Correction' and 'One Shot Long-Length' imaging options guarantee optimised image quality with the lowest possible dose; the industry standard DICOM 3.0 interface ensures multi-vendor and cross-platform connectivity in any situation.

Main features:

- Real-time viewing of high quality images
- Large high-resolution monitor for comfortable viewing
- Optimised workflow with less operation steps
- Interactive GUI for intuitive operation
- Supports various workflows to match local requirements
- Single and Prepacked Protocols
- Emergency study capability
- Suspend Exam
- Reject Analysis
- Automatic forwarding rejected images to a designated analysis workstation
- Automatic Image stitching
- Scatter Correction Software (optional)

Optimises your workflow

Protocol planning with the right sequence of the positions in the study.
Instant display of the image taken in high resolution within 1 second.
Comfortable viewing on large screen with overview and less operation steps.

Designed to enhance image quality

Provides wide range of the algorithm and dynamic formatting before saving.
Enables significant dose reductions through optimising image processing parameters.

Adaptive to your local standards

Is giving you the tailored preset that you require, is adaptable to any local needs, preference or taste of imaging, accommodating standard or unique protocols such as Trauma protocol and protocols for Paediatric imaging.

Flexible and Secure

The Canon NE software is being proven outstanding in communication with x-ray generator and brilliant in the non-synchronised mode.

High contrast images without using a grid

Canon's Scatter Correction reduces the effect of scattered radiation for non-grid bedside examinations, allowing you to obtain images with outstanding contrast while avoiding the grid handling and improving your workflow.

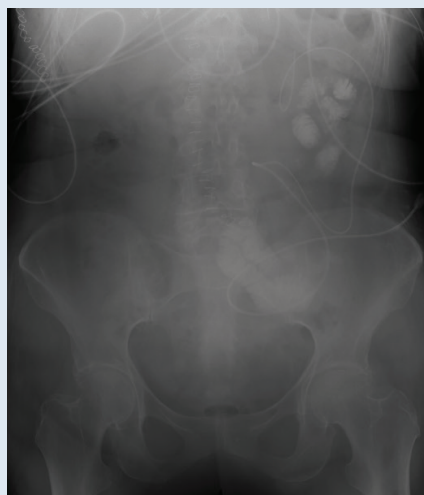
Where a grid physically reduces scatter and thereby increases the image contrast, the software mimics this process virtually. The software works by creating a scatter model, which is subsequently subtracted from the image. The result is an image with reduced scatter and increased contrast.

Benefit from Canon's decades of imaging expertise

Use a grid or select Scatter Correction; you are always in control and the choice is yours as the situation demands. Canon digital radiography provides the versatility, and years of imaging expertise provides the following benefits:

- Significantly lower X-ray dose compared to imaging with a grid¹
- Superior image contrast without the need for a grid
- Improved workflow: no need to carry, fit, position and remove a grid
- Enhanced efficiency: no repeat exposures due to grid misalignments and resulting artefacts
- Potential to improve patient comfort in bed examinations as the imaging receptor is thinner without a grid fitted

Technically the scatter correction will be applicable to all protocols, but stringent reviews on clinical applicability are required.



Before



After



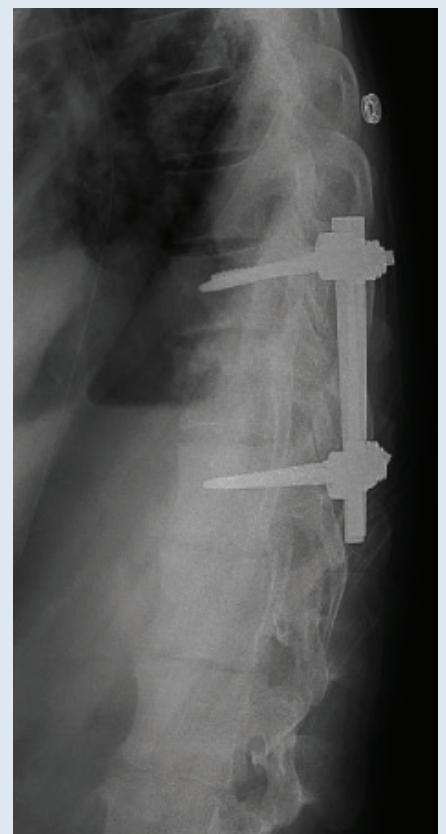
Before



After



Before



After

¹ confirmed result after testing Canon Scatter Correction at Linköping University Hospital, Sweden

LLS-1

LLS-1

Enhanced efficiency for Long-Length radiographic examinations

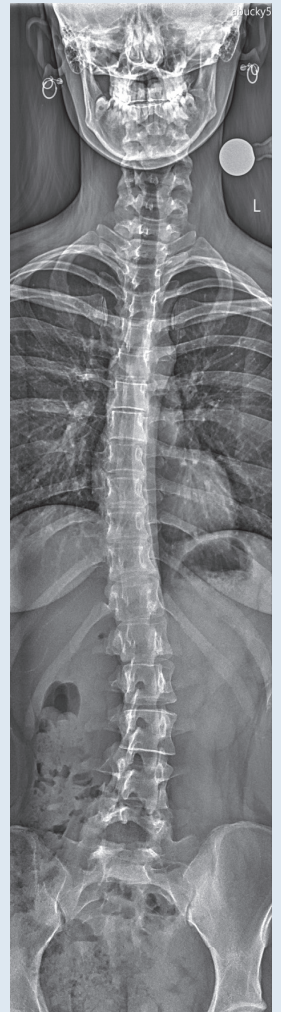
Features One Shot Long-Length imaging stand

- Patient positioning stand with motorised height adjustment
- Mobile stand with wall docking for convenient relocation
- Large, ergonomic grip rails for confident patient positioning
- Removable grid for pediatric use
- Ability to use existing (3x CXDI-710CW or 3x CXDI-410CW) detectors for cost effective One Shot Long-Length imaging
- Multiroom possibility. Use each available Canon workstation with LLS-1

DelftDI LLS-1 Imaging; no need for a dedicated Long-Length detector or specialised X-ray equipment

The most common applications for long-length DR imaging are for whole spine and leg radiography. Up till now this was only possible using a specially configured X-ray system with image stitching capability using multi-exposure Digital Radiography (DR), which required three separate tube movements and exposures. As patients for this type of examination are often children, the ultimate solution would be for a single, very short exposure to reduce the possibility of motion artefacts. Now DelftDI brings you single shot Long-Length DR imaging without the need for a dedicated long-length detector, and using wireless detectors that can be used more efficiently in other radiographic applications when not be used for Long-Length imaging.

- One short exposure reduces the possibility of movement artefacts
- Shorter transit time and more efficient use of an X-ray room
- Increased patient safety; ergonomic grip rails and shorter time needed to remain position.



TSS portal

Register, perform and archive imaging procedures, Immediate access to patient images, real-time image review and virtual diagnostic toolsets, all in one solution
TSS is a feature rich solution with zero compromises on reliability and speed

Connection to your patients

TSS is an easy to use workflow tool that facilitates the registration and automatic scheduling of patients. Once the patient is scheduled for examination, the patient information is available for the modality. After the modality generates the image, it is stored in the Zillion Archive.

With the integrated zero footprint Web Viewer (ZWV) it is possible to view the different images and reports of the patient.

Worklist

Compatibility with all major browsers using no resident software or plug-ins; integrates with any DICOM network, VNA and supports query/retrieve from DICOM nodes and XDS/XDSi repositories.

DICOM Diagnostic Viewer connection (optional)

Provides full diagnostic image viewing on any high-resolution display and resident support for multi-monitor viewing, while maintaining the pure zero-footprint client architecture.

Industry-leading image visualization with protocols that supports CT and PMR mammography and all other X-ray modalities





DelftDI's solutions provider in your country:



Wiltonstraat 41, 3905 KW Veenendaal, The Netherlands
T +31 318 583 400 F +31 318 583 401 E info@delftdi.com I www.delftdi.com



A CANON COMPANY