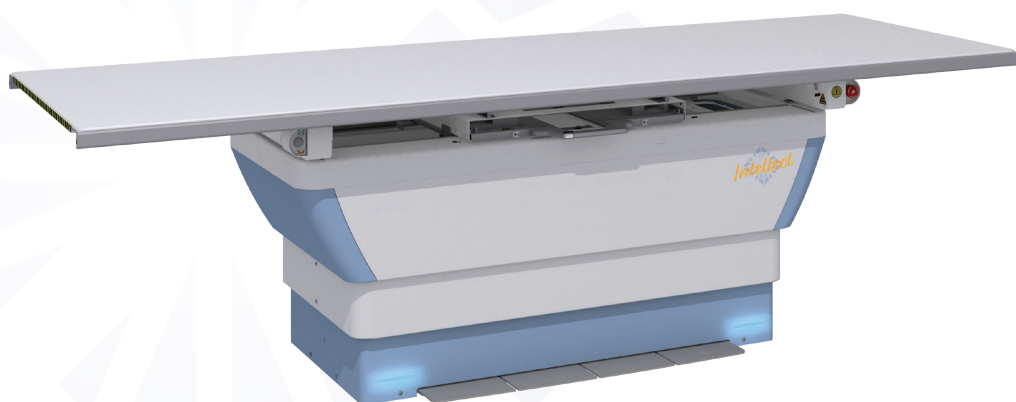




Intellect



AMRAD  **Medical**
by **Summit Industries**

INTELLECT

with Canon DR-CXDI

Fully Integrated, Auto-Positioning, Ceiling Suspended Radiology Suite





The Intellect - Advanced Design

- **Precision-engineered design** delivers exceptional stability and ultra accurate positioning.
- **Capacitive Grab and Go handle** activates instantly at the operator's touch, enabling smooth, vibration free motion.
- **12" high definition TFT touchscreen display** provides clear, immediate insight into system positioning and operational status.
- **Integrated LED status indicators**, acoustic alerts, and proximity sensors elevate safety and situational awareness.
- **Electromagnetic braking system** secures all angulation, rotation, and movement across table and wall stand.

Grab and Go

Full automation with smooth movements

Vertical Travel:	Minimum of 30.2" [767 mm] Maximum 98.8" [2510 mm] (Values measured from ceiling)
Tube Angulation:	-180/+135 degrees
Column Rotation:	±180 degrees





AUTO-TRACKING WALL STAND AND TABLE

With the Intellect's intelligent auto positioning, long-leg and spine-stitching become effortless and consistently accurate. The technologist simply selects the beginning and end points, and the system handles every movement in between—delivering flawless results with minimal input and fewer repeats.



Minimize repetitive tasks to keep your focus where it matters most: patient care.

AUTO-POSITIONING MOVEMENTS

With automatic centering, all axes are motorized and servo-assisted capable of 360° angles and travel of up to 16.4 feet.



Tilting Wallstand

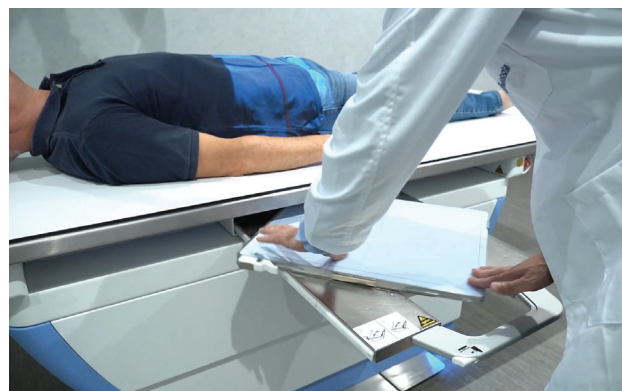
The motorized tilting wallstand ensures smooth positioning with minimal effort.

- Tilting angles: +90° / -20°
- Electromagnetic brakes
- Rotational receptor cabinet (optional)
- Foot pedals for hands-free positioning (optional)



Elevating Table

- Heavy-duty, four-way float top patient table supports up to 771 lbs (350 kg) for comfortable, accessible positioning
- Lowers to 19.6" (500 mm) for easy patient access meeting the newest standards for low-transfer height
- Heavy-duty foot pedals allow for hands-free table positioning, ensuring precise table adjustments
- Ergonomic rotating table tray (optional)



Advanced Image Stitching

The integrated image-stitching function automatically combines multiple exposures for flawless long-length studies, ensuring high diagnostic accuracy while minimizing patient movement between shots.



Fully Integrated with Canon DR

The Intellect system comes fully integrated with Canon CXDI Control Software NE and Canon CXDI Wireless Detectors. Canon's Csl (Cesium Iodide) detectors ensure superior image quality at a lower dose. Streamline your workflow and increase throughput while providing patient comfort and operator convenience.



Canon CXDI-Pro Wireless Detectors

The Canon CXDI-Pro wireless digital radiography systems are designed to support the demands of medical imaging departments for cost-effective solutions without compromise. Fully integrated with the AMRAD Medical Intellect, the Canon CXDI-Pro wireless digital radiography systems provide features that optimize workflow and offer high quality imaging and reliability you can count on.

- **CXDI-703C Wireless Detector:** 14" x 17" (6.4 lb. with battery)
- **CXDI-803C Wireless Detector:** 11" x 14" (4.6 lb. with battery)
- **CXDI-403C Wireless Detector:** 17" x 17" (7.7 lb. with battery)

Battery Charger

- Charge up to two batteries at the same time
- Indicator lights show charging status (25%, 50%, 75%, 100% charged)
- Automatically stops charge when full battery capacity is reached



AED Function

The CXDI DR detectors are equipped with Automatic Exposure Detection (AED) functionality. In this mode, the detector relies on an internal process to acquire an image without a direct physical signal from the x-ray system.

Easy Handling & Cleaning

The sleek detector design includes an ergonomic hand grip (6.8mm depth*) that is sculpted into the lightweight detector making it comfortable to hold and easy to grip.

The smooth rounded corners make it easy for the technologist to position and comfortable for the patient.

*CXDI-703CW and 403CW detectors only



Optional Tethered Operation

The tethered option provides quick and reliable operation when mounted in your system's detector tray, charges the panel's battery and allows the wireless panel to operate without having to be removed from its enclosure.



Protection

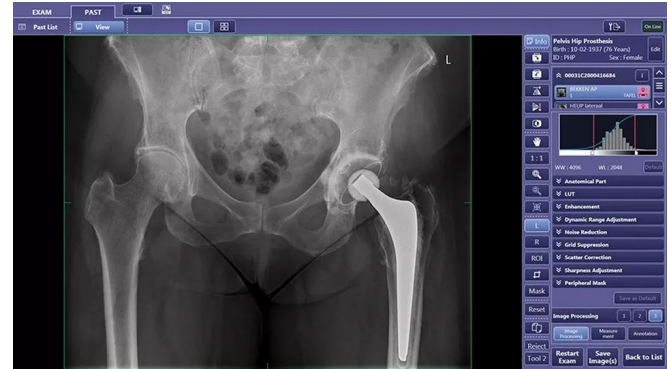
Contact with fluids is inevitable, particularly in emergency and high-dependency care. The IP55 protection against liquid and dust entering the FPD provides you with extra assurance, while it is in use under challenging conditions, or when cleaning the product for patient safety.



CXDI Control Software NE

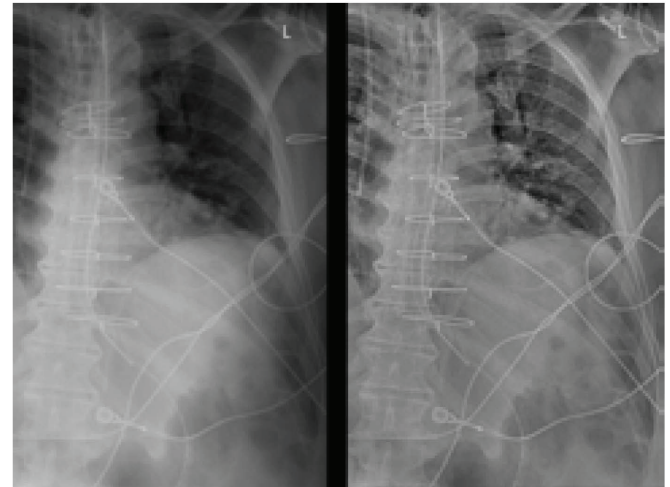
Canon CXDI Control Software NE is the dedicated platform required to power Canon CXDI Wireless Detectors. By leveraging advanced image processing algorithms, it streamlines clinical workflows and reduces manual steps, ensuring superior image quality with every exam.

- Windows® 11 OS Supported
- Interactive GUI for intuitive operation
- Integrating the Healthcare Enterprise (IHE) compliant
- Ability to rotate images
- Authentication of users and connections
- Flexible DICOM configuration for worklist and export of images and reports
- Cybersecurity provisions including IHE ATNA (secure DICOM and audit trail)
- Flexible dose reporting using Radiation Dose Structured Report, MPPS, and exposure logs



Advanced Image Processing & Auto Positioning Features

- Image stitching function for up to four images which utilizes Canon photographic technology and pixel-to-pixel matching.
- The Intellect's auto-positioning feature incorporates full equipment movement making the stitching exam a seamless process for the technologist and patient ensuring minimal repeats and optimal workflow.
- Advanced Edge Enhancement improves visualization of tubes, catheters and bone details. The software has three different image processing algorithms (small structures, bone detail and catheter setting)



Advanced Edge Enhancement

Optional Scatter Correction

- Achieve excellent image contrast of any body region without a grid
- Reduce detector handling weight
- Eliminate grid misalignments and artifacts
- Dose reduction
- Consistent image quality

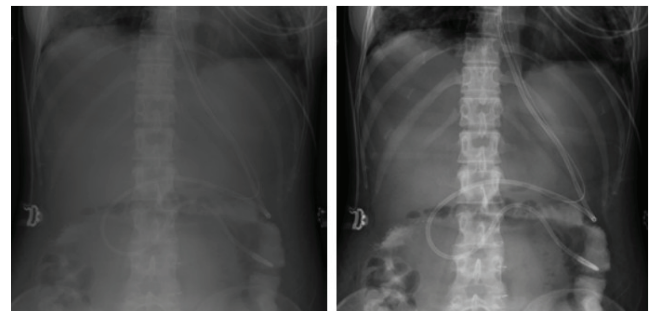


Image without Scatter Correction feature

Image with Scatter Correction feature and without grid

CXDI-Pro Wireless Digital Radiography Systems Specifications¹			
Model Name	CXDI-803C Wireless	CXDI-703C Wireless	CXDI-403C Wireless
Purpose	General Radiography		
Method	Flat panel detector: scintillator & amorphous silicon (a-Si)		
Scintillator	Cesium Iodide		
Weight (incl. Battery)	4.6 lb (2.1 kg)	6.4 lb (2.9 kg)	7.7 lb (3.5 kg)
Effective Imaging Area	11 x 14 in (273 x 349 mm)	14 x 17 in (349 x 426 mm)	17 x 17 in (426 x 426 mm)
External Dimensions	12 x 15 x .6 in (307.5 x 384 x 15 mm)	15 x 18 x .6 in (384 x 460 x 15 mm)	18 x 18 x .6 in (460 x 460 x 15 mm)
Image Matrix Size	1952 x 2496 pixels	2496 x 3040 pixels	3040 x 3040 pixels
Pixel Size	140 µm		
Limiting Resolution	3.5 lp/mm		
Grayscale	A/D: 16 bit		
DQE	Typical 65% (0 lp/mm), 58% (0.5 lp/mm) ²		
MTF	Typical 65% (0 lp/mm), 58% (0.5 lp/mm) ²		
Time for ready	< 4 seconds ³		
Preview Image Time	1 second ³		
Cycle Time	< 4 seconds ³		
Dust, Water -Resistance Rating	IP55 (For dust protection against limited dust ingress and water protection against low pressure water jets from any direction) ⁶		
Battery Performance	>1,500 images @ 7 second cycle, >140 images @ 100 second cycle		
Charging Performance	Battery charging time approx. 150 min. ⁵		
Wireless Standard	IEEE802.11ac		
Wireless Channel/Band	2.4 GHz, 5 GHz		



**With Quick Ready, these detectors are
ready to go in as little as 4 seconds**

¹ Specifications subject to change

² 0 lp/mm is extrapolated value IEC62220-1-1 2015 (RQA5)

³ Depending on acquisition mode

⁴ Based on tests conducted by an independent institution. Certification does not guarantee against failure or damage.

⁵ At an ambient temperature of 77°F. Detector stand is sold separately.



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