Intellect

AMRAD Medical
by **Summit Industries**

INTELLECT OTS
with Canon DR-CXDI
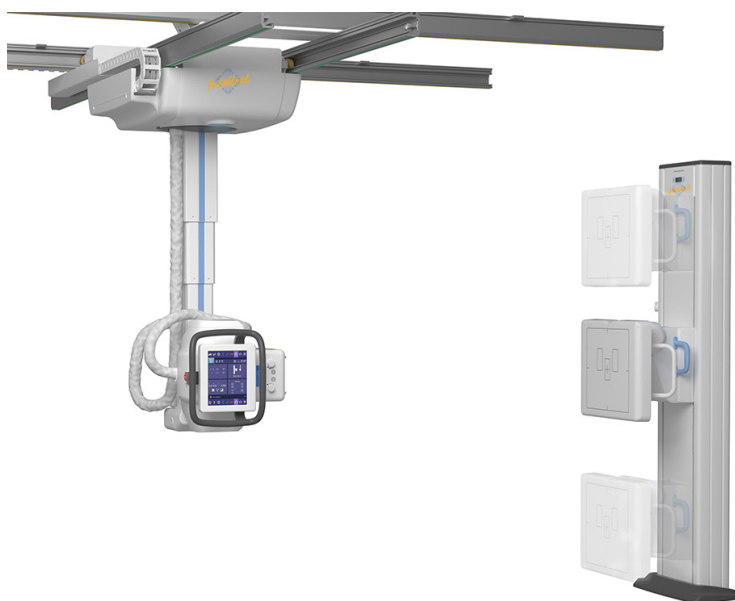Overhead Tube Support System with Auto-Tracking, Auto-Positioning

Grab and Go

the smoothest movement available

The Intellect - Advanced Design

- Agile and stable design ensures maximum precision in positioning.

- Capacitive handle responds to the operator's touch for Grad-and-Go, non-vibrating movements.

- Electromagnetic brakes for all angulation, rotation and movement in table and wall stand.

- High-resolution, user-friendly easy-to-read display provides system status and positioning details.

- Elevating table for convenient and comfortable patient positioning; weight rated up to 771 lbs. (350 kg).

Full automation with smooth movements

AUTO-TRACKING WALL STAND AND TABLE

The Intellect assists the operator by automatically positioning the system and synchronizing the X-ray tube and detector movements. When the ceiling suspension is moved up, down or angulated, either manually or with the remote-control, the cabinet in the table or wall-stand will follow by keeping the SID and center of the detector consistent.

When the ceiling suspension is angulated manually or with the remote control, the detector's positioner (table, wall stand) will track the movement and acquire centering.

AUTO-POSITIONING MOVEMENTS

The ceiling suspension automatically moves to the center of the detector, located in the table or the wall-stand, according to the SID and angulation of the tube. All axes are servo-assisted and motorized for travelling up to 16.4 feet and 360° angles.
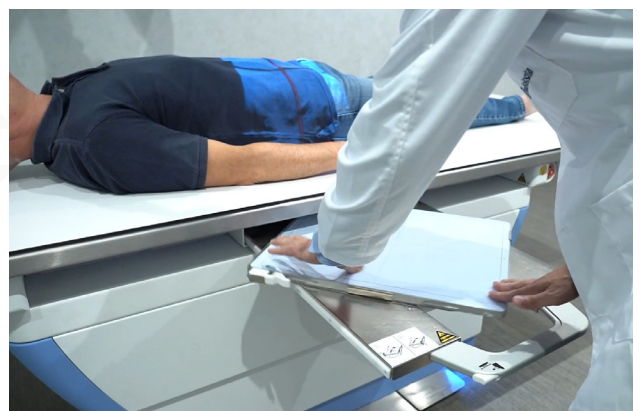
Vertical Travel: Minimum of 30.2" [767 mm]
                    Maximum 98.8" [2510 mm]
                    (Values measured from ceiling)

Tube Angulation: -180/+135 degrees

Column Rotation: ±180 degrees

The wallstand is motorized for tilting and rotation which ensures smooth positioning with minimal effort. Enjoy hands-free operation with convenient foot pedal controls.

Ergonomic rotating table tray

Fully Integrated
with Canon DR

The **Intellect** system comes fully integrated with Canon CXDI Control Software NE and Canon CXDI Wireless Detectors. Canon's CsI (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

These DR (Digital Radiography) detectors are equipped with AED (Automatic Exposure Detection) functionality. In this mode, the start of radiation is automatically detected by the sensor panel at exposure time.

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.
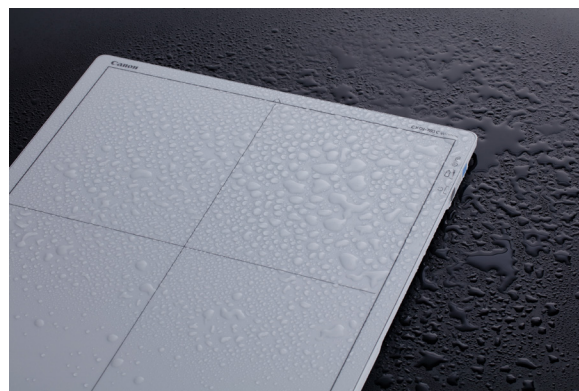
CXDI-703CW and 403CW detectors only

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. Our 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

The CXDI-Pro series wireless detectors require CXDI Control Software NE to operate. The software is exclusively for use with Canon CXDI Wireless Detectors and helps to optimize workflow while producing high-quality images.

- Operates on Windows 10
- IHE compliant
- Flexible DICOM configuration for worklist and export of images and reports
- Scatter Correction feature for non-grid exams
- Optional image stitching function for up to four images

Imaging without
Scatter Correction
feature

Imaging with
Scatter Correction feature
and without grid

CXDI-Pro Wireless Digital Radiography Systems Specifications[1]			
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 um		
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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PIONEERS IN RADIOLOGY SINCE 1984

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