



Remote-Controlled R/F System

With the Canon CXDI-RF Wireless B1 dynamic and static detector

Model: Aptitude R/F with Canon CXDI-RF B1



This remote-controlled R/F room is built around a Canon 17 x 17 in. detector that handles both fluoroscopy and radiography. The flat tabletop makes stretcher transfers simple, the column angles with an automatic collimator and built-in DAP meter, and the electronics sit inside the base instead of in separate cabinets.

■ Bariatric capacity

Carbon-fiber tabletop rated for 507 lb (230 kg) with no movement limits, up to 683 lb (310 kg) with some limits.

■ Full coverage

Motorized height from 25 in. to 36.6 in., tilt +90° / -25°, and 53.1 in. of longitudinal travel.

■ Auto-positioning

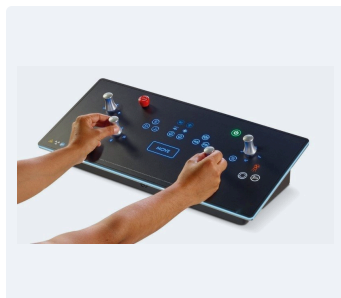
Pick a protocol and press MOVE: the table, column angle, SID, collimation and filters set themselves.

■ Dose reduction

Protocol-based collimation and filters, plus a patient camera for positioning without radiation.

■ One detector, two modes

The Canon CXDI-RF Wireless B1 does fluoroscopy and radiography and lifts out of the bucky for table-free exams.



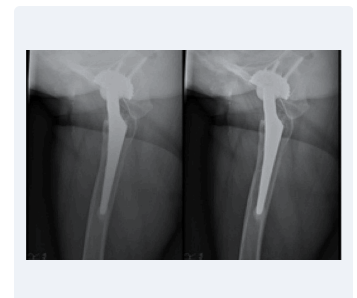
Main console with joysticks and touchscreen



Wireless remote control



Flat tabletop for easy transfer



Advanced image processing

Specifications

Table	
Tabletop	88.5 x 31.9 in (225 x 81 cm); 0.55 mm Al eq. max
Height	25 in. (64 cm) to 36.6 in. (93 cm), motorized
Tilt	+90° / -25°, motorized at 6°/s
Lateral travel	±7 in. (18 cm)
Longitudinal travel	+47.2 in. / -23.6 in. tabletop; 53.1 in. (135 cm) total coverage
Patient weight	507 lb (230 kg); up to 683 lb (310 kg) with some limits
Grids	Removable carbon fiber 10:1, focus 49.2 in. and 70.9 in.

Column, tube and collimator	
Column angulation	±40°, motorized
SID	43.3 in. (110 cm) to 70.9 in. (180 cm), motorized
Tube rotation	±180°, electrically assisted, stops every 90°
Compression	Up to 200 N, retractable, with safety interlocks
Collimator	Automatic, four pairs of shutters and two pre-shutter pairs, LED light and laser, programmable Cu/Al filters
X-ray tube	A 292 tube in B-147 housing (standard); 0.6 / 1.2 mm focal spots, 400 kHU anode, 9,500 rpm

High-frequency generator	
Power	65 kW standard, 80 kW optional
Radiography	40 to 150 kV; 10 to 650 mA; 1 ms to 10 s; 0.1 to 500 mAs
Fluoroscopy	40 to 120 kV; 0.5 to 5 mA (low dose), up to 7 mA
Protocols	9,989 customizable anatomical protocols; 3-point, 2-point and AEC modes
AEC and DAP	Three-field AEC chamber; DAP meter in the collimator, recorded per exposure

Canon CXDI-RF Wireless B1	
Imaging area	17 x 17 in (43 x 43 cm), CsI scintillator
Pixel pitch	160 µm
Weight	7.7 lb (3.5 kg)
DQE / MTF	Typical 60% (0.5 lp/mm) / typical 38% (2 lp/mm)
Frame rate (wired)	Up to 30 fps
Protection	IP57; 100 cm drop rated

Canon CXDI Controller RF software	
• One interface for all Canon DR detectors • Scatter Correction, Advanced Edge Enhancement and One Shot Long Length • Optional tomosynthesis and digital subtraction angiography (DSA) • DICOM 3.0 connectivity	

Standard accessories	
• Composite footrest rated for 507 lb, adjustable stool, two patient handles, two winches and belt, two fluoroscopy pedals, compression device	

Sold, installed and serviced by Sharp Imaging Solutions

- **Site planning and installation.** Room review, deinstallation of old equipment, installation and calibration.
- **Canon CXDI DR.** Authorized Canon dealer and service provider for detectors, software and DR upgrades.
- **Connectivity.** DICOM worklist and PACS setup, with training for your technologists.
- **Service and parts.** Preventive maintenance, repairs and parts for multi-vendor X-ray equipment.

Request a quote

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