



Mobile DR X-ray System, 40 kW

Motor-assisted mobile with Canon CXDI wireless detectors

Model: **Odyssey+ (Odyssey Plus) with Canon DR-CXDI Wireless**



This mobile DR unit pairs a 40 kW high-frequency generator with Canon CXDI wireless detectors. Technologists review images on a 19-in. color touchscreen and can check positioning and adjust technique at the bedside on a second 8.4-in. screen on the tube head.

- **Up to 800 exposures per charge**

Batteries are topped up by energy captured during braking, so the unit works longer between charges.

- **Easy to drive**

Motor-assisted drive with a capacitive-touch handle for one-handed movement at up to 3.4 mph, and independent wheel control for fine positioning.

- **Compact**

Folds to 50.7 in. H x 48 in. W x 21.2 in. D for narrow aisles and patient rooms, with a clear view during transport.

- **4-step telescopic arm**

Reach from 24.8 in. to 48 in., with column rotation of $\pm 317^\circ$ and SID up to 79.5 in.

- **Safety**

Emergency off switch with manual movement, two-step hand switch with collimator lamp button, optional anti-collision sensors.



4-step telescopic arm and rotations



Tube-head touchscreen with image preview



One-handed, motor-assisted drive



Canon CXDI-Pro wireless detectors

Specifications

Generator (40 kW, single phase)	
kVp range	40 to 150 kVp in 1 kVp steps
mA range	10 to 500 mA in 18 steps
mAs range	0.1 to 500 mAs in 38 steps
Power	0.4 kW minimum; 40 kW maximum (IEC, 0.1 s, 100 kV)
Design	Constant-potential monoblock, no high-voltage cables, closed-loop kV, mA and filament control
Battery and autonomy	
Exposures	More than 800 (80 kV, 400 mA, 5 ms)
Standby	More than 11 hours
Driving	More than 25 km at 3.4 mph
Charging	80% in 4 hours, 100% in 8 hours; exposures possible while plugged in
Energy storage	5,760 Wh; 15 Ah per battery
Arm and column	
Telescopic arm	24.8 in. (63 cm) to 48 in. (122 cm)
SID	Up to 79.5 in. (202 cm); focal spot to floor under 20.8 in. (53 cm)
Rotations	Column $\pm 317^{\circ}$; head $\pm 180^{\circ}$ around arm and -30° to $+90^{\circ}$; collimator $\pm 90^{\circ}$
Canon CXDI-Pro wireless detectors	
CXDI-803C	11 x 14 in, 4.6 lb (2.1 kg), 1952 x 2496 pixels
CXDI-703C	14 x 17 in, 6.4 lb (2.9 kg), 2496 x 3040 pixels
CXDI-403C	17 x 17 in, 7.7 lb (3.5 kg), 3040 x 3040 pixels
Method	Flat panel: CsI scintillator with amorphous silicon (a-Si)
Pixel size	140 μ m
Limiting resolution	3.5 lp/mm
Grayscale	16-bit A/D
DQE	Typical 65% (0 lp/mm), 58% (0.5 lp/mm)
Ready time / preview / cycle	< 4 s / 1 s / < 4 s
Dust and water rating	IP55
Battery	> 1,500 images at 7 s cycle; charge approx. 150 min
Wireless	IEEE 802.11ac, 2.4 GHz and 5 GHz
Exposure detection	AED (automatic exposure detection)
Canon CXDI Control Software NE	
• Windows 11 supported • Interactive interface for intuitive operation • IHE (Integrating the Healthcare Enterprise) compliant • Image rotation, user and connection authentication • Flexible DICOM setup for worklist and export of images and reports • Cybersecurity provisions including IHE ATNA (secure DICOM and audit trail) • Dose reporting with RDSR, MPPS and exposure logs	

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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