Mobile DaRt Evolution™ DR Motorized Mobile X-Ray System

Includes the following features:

- 32 kW maximum x-ray generator rating
- 40 - 133 kV tube voltage in 1 kV steps
- 0.3 - 320 mAs
- 400 mA maximum tube current (under 20 msec)
- 72 APR settings user-selectable
- 300 kHU tube capacity
- 0.7/1.3 mm Dual focal spot
- Ultra Quiet Motorized drive system with speeds up to 5km/hour forward-backward, zero turn radius and up to a maximum driving slope of 7 degrees.
- Power Assist Optimized (PAO) controls and sets the optimum traveling speed by the amount of pressure applied to the steering bar
- Unique "Inch Mover" allows the technologist total bedside control with unit movement controlled by two vehicular positioning buttons incorporated on the collimator
- Two clear displays of x-ray timing sequence (x-ray "ready-up" indicator) for accuracy in exposure timing
- Telescopic arm minimizes overall unit size to allow access to even the smallest patient areas
- Second "All Free" lock release switch at the middle point of the tube positioning arm; adding a second "All Free" lock release switch and grab handle to both sides of the arm
- Collimator lamp re-lights upon exposure "ready-up" signal facilitating check of final position of radiation light field
- Enhanced collimator design; added shutter leaves near the tube aperture to reduce off-focus radiation
- Telescopic arm allows +/- 270^0 arm rotation for improved flexibility for patient examinations
- Telescopic arm has a maximum horizontal travel of 1200mm (47") to allow positioning flexibility without having to reposition the patient
- Front mount cable hook prevents cable tangling due to column rotation
- Strengthened unit side covers manufactured by the RIM process reducing overall sound and vibration dampening
- Battery recharge requires a 1kVa, 100/110/120/200/220/230/240V power supply
- Keyed brake release button to release system drive locks to allow unit movement in the event of full battery discharge
- Enhanced front safety bumper mechanism
- Total unit weight is 420 kg (925 pounds)
- LED light in hand exposure switch
- Keyless power ON for users access to drive and make exposures without need of a key.

-   Wireless 802.11 a, b, g or n communications ready. (Can be de-enabled)
-   Can make exposure when connected to the hospital 115 V ac power line if batteries are too low.
-   Batteries can be charge while the PC is ON for quick access to worklist.

Canon CXDI-70C Wireless Detector

The Canon CXDI-70C Wireless portable, lightweight DR system provides super high resolution, high quality, filmless image capture for a broad range of radiographic applications, including trauma, ICU and bedside exams. The CXDI-70C Wireless is an ISO 4090 compliant cassette size detector that can fit into existing bucky trays, or in new equipment trays with ease.

Offering high-quality diagnostic images efficiently with minimum X-ray exposure to patients the CXDI-70C Wireless is ideal for all radiographic use, especially pediatric. This portable DR system consists of a Canon Amorphous Silicon (a-Si) Flat Panel Detector and a Cesium Iodide (CsI) Scintillator, allowing for extremely effective X-ray absorption and high signal-to-noise performance. The large 14-inch x 17-inch imaging area and portable design – just over a half-inch thick (0.6 inches) and weighting only 7.5 lbs. – allow the CXDI-70C Wireless to be especially useful with patients who have limited mobility and for capturing images at angles that are difficult to set with fixed devices.

Includes:
1 – CXDI-70C Imaging Unit
1 – Operation Manual
2 – Battery Packs
1 - Grid Cap 70C ; 130 cm, 6:1, 52lpc, AL spacer

Features and Specifications:
Detector
- Scintillator: Cesium Iodide
- Pixel Pitch: 125 microns
- Pixels: 2,800 x 3,408 (9.5 million)
- Imaging Area: 14 inches x 17 inches
                         (35 cm x 43 cm)
- Battery Performance: 140 images (@ 100 sec cycle,
                         1 sec sleep)
- Wireless Standard: IEEE 802.11N
Image Acquisition
- A/D: 14 bit
- Grayscale: 12 bit (4,096 gradations)
- Preview Image: 3-5 seconds

Electrical and Environmental

- Voltage:	100V, 120V, 230/240V (50/60Hz)
- Power Consumption:	170VA maximum (Detector unit only)
- Operating Environment:	41-95°F (5-35°C), 30-50% RH (non-condensing)

Physical Characteristics

- Dimensions (WxLxH):	15 inches x 18 inches x 0.6 inch (384 x 460 x 15 mm)
- Weight:	7.5 lbs. (3.4 kg)

DICOM Modality Worklist Software
- Version v3.0 with offline-online patient download
- Mobile mode allows storage of worklist to the Hard drive for access in areas without wireless access.
- Multi-Accession function to perform multiply studies on single patient.
- Modality Performed Procedure Step (MPPS);
- Provides Status to the MPPS server
- N-Create and N-Set messages stored on Mobile until
- network communication is available.

Fully integrated on board PC with color Display
- Mobile processing technology to balance performance to low input power.
- Fast image transfer speed for both LAN and wireless operation.
- USB 2.0
- Large 15 inch touch screen display for easy QA and preliminary review of images on unit.
- Chemical resistant screen for cleaning with germicide wipes.

MobileDaRt Wireless Connection (Can be de-enabled)
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Reference Skin Dose Indicator (UL)
- Ultrasonic sensor mounted on the bottom of collimator to sense distance.
- LED distance readout mounted on x-ray tube control handle.
- This reference can aid user to have consistent SID
- System calculates estimate skin dose based on distance, kV and mAs setting.
- Calculated Dose readout mounted on console adjacent to technique parameters.
- Dose is displayed on indicator and is not added to DICOM header.

Focal spot to patient skin distance Indicator (UL)

Point-of-Sales FPD extended warranty (total 5 years) per
70C**
Limited warranty is for replacement parts on the detector only.
Charges for Canon labor and/or Canon consumable parts will be
billed accordingly.
. Warranties are non-transferable.
. Extended warranty is issued at the point of sale only. All extended
warranty contracts after the original sale date will be administered
by the service department.
. Extended warranty is for U.S. installations only.
. Extended warranty line item MUST be included on the original
Purchase Order.
. Installation report must be submitted to Manufacture within 30
days of installation for warranty to be valid.
. Canon Digital limited warranty terms and conditions apply.
. Shipping costs are not included in the extended warranty.

Biomedical Training – Airfare, Lodging, Per Diem Prepay:

Total with Biomed Training, Air/Lodging/Per Diem, and Trade-In:

MobileDaRt OPTIONS:

Remote Exposure Control
- Infrared remote control device switching ON/OFF the collimator lamp and Exposure ON can be activated from max. 5meters away from the unit.
- To help the distance to the unit, the status indicator clearly shows different colors for each Stand-by/ Prep/ Exposure.

Folding Radiation Shield
Protection shield may reduce the radiation dose to the operator.
- Radiation protection is equivalent to 0.3mm Pb.
- Easily folds for all clinical situation

Option Raised Drive Handle (950, 970 or 1000 Set at install)
- Standard drive handle is 910 mm (35.8 inches) high which is 1 ½ inch higher than previous Mobile DaRt model.
- Additional height is available for the taller operators for additional comfort.
- Height is select during installation with three choices:
- 950 mm (37.4 inches)
- 970 mm (38.2 inches)
- 1,000 mm (39.4 inches)

Additional Front exposure hand switch
- To be mounted on column side of chassis
- Improve workflow by giving flexibility to operator

VacuDAP Dose Area Meter
- The VacuDAP measuring system measures the dose area product (DAP) in a radiological examination.
- The Transparent ionization measuring chamber can be placed at the radiation outlet end of the collimator
- Dose is displayed on indicator and is added to DICOM header.

Mounting kit

*** Note: Cannot be used with Reference Skin Dose Indicator*

Grid 4:1 110 cm focus, for CXDI-60 series **DR Safety Handle Holder – NO GRID** **Add 11"x14" Smaller Size Canon DR Detector** 			