

XR-PORT RAD, VAMC DUBLIN, GA

PO# 557-4B5008

**MobileDaRt Evolution DR Motorized Mobile X-Ray System  
with Canon 70C & 80C**

- Includes the following features:
- 32 kW maximum x-ray generator rating
- 40 - 133 kV tube voltage in 1 kV steps
- 0.32 - 320 mAs
- 72 APR settings user-selectable
- 400 mA maximum tube current (under 20 msec)
- 300 kHU tube capacity
- 0.7 X 1.3mm Dual focal spots
- Focal Distance from floor, 600 – 2010 mm
- Focal Distance from Rotation Center. 725 – 1290 mm
- Ultra Quite Motorized drive system with speeds up to 5km/hour forward/backward 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 +/- 2700 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 420kg (925 pounds)
- LED Light in hand exposure switch
- Keyless Power On for users access to drive and make exposures without need of key
- Batteries can be charged while the PC is ON for quick access to worklist
- Exposure during battery charging if connected to outlet
- DR Control Panel with grid attached carrier

#### **CXDI-70C Wireless Digital Radiography Detector**

- Wireless portable digital detector
- 14" x 17" full imaging field
- Sensor weight: 7.5 lbs
- Sensor size(WxLxT): 384 x 460 x 15 mm ISO4090 cassette compatible
- Amorphous Silicon Sensor (a-Si)
- CsI scintillator
- 125 micron pixel pitch
- 9.5 million pixels (2800 x 3408)
- 12 bit / 4096 gray scale (14 bits A/D)
- IEEE 802.11n Wireless Access point
- Equipped 2 batteries, 1 battery charger and power box
- FDA 510(k) cleared
- Preview image in 3-5 seconds, refresh cycle up to 15 seconds
- DICOM 3.0 compatible, including Print Management Service Class and Storage Service Class
- Ethernet 10/100 Base T

#### **Grid Cap: 6:1 ratio, 130 cm**

- DICOM modality Worklist Software; v3.0
- with offline-online patient download
- Mobile mode allows storage of worklist to 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 communications is available
- MobileDaRt Wireless Connection (Can be de-enabled)
- 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

**Fully integrated on board PC with color display**

- **WINDOWS 7 Operating System**
- 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
- HDD capacity 3,500 images
- Reference Skin Dose Indicator
- Distance Indicator

**Canon CXDI-80C Wireless Digital Detector**

- Imaging Area: 11" x 14" (27.4cm x 35cm)
- Lightweight 5.5 lbs (2.5 kg)
- Outstanding resolution of 125 micron, 6.1 Megapixel
- High Sensitivity Low-Dose Cesium Iodide Scintillator
- Wireless 802.11n (2.4 & 5GHz dual band)
- Preview image display: Approx. 3 sec.
- Full image display: Approx. 5 sec.
- Battery Performance: Approx. 140 images(100 sec. cycle , 1 sec. sleep)
- Charging Time: Less than 3 hours
- Uses Same Battery and Accessories as CXDI-70C Wireless
- Includes 2 Batteries

**Features and Specifications:****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)

**Shimadzu MDE-70C-80C Portable Total Government Price:**

**Engineer Training for 1 VA/DOD employees on MDE70C-80C:**

1 Week MDE Mechanical Training

1 Week CXDI 70C-80C Training

Travel, airfare, Hotel, food per diem prepay for 1 VA/DOD Engineers

**Includes:**

**Two sets Operators Manuals**

**Two Sets Service Manuals**

**On Site Applications Training**