

653-B40507 - XR PORT RAD, VAMC ROSEBURG, OR  
**PORTABLE DXR**

**PORTABLE DIGITAL X-RAY UNITS  
GENERAL SYSTEM SPECIFICATIONS**

- One (1) digital portable x-ray unit
- One (1) Wireless digital detectors with 8:1 removable grid
- Wireless digital detector shall take up to 40 exposures per hour and provide enough power for 3 hours on a single charge. Detector to automatically charge while in storage bin.
- Wireless digital detector shall be single panel, amorphous silicon with Cesium Iodide scintillator
- 30 kW or greater generator
- The digital detectors must utilize wireless communication between the image receptor and the control console that meets one of the 3 following criteria:
  - FIPS 140-2 certified encryption – provide certificate number
  - Ultra-wide band communication
  - Risk based decision waiver to FIPS 140-2 requirement currently submitted to VHA
- The portable x-ray units must utilize 802.11 wireless communication with FIPS 140-2 certified encryption for communication to the facility network and PACS and have an onboard hardwired Ethernet connection as well.
- VOI LUT burn on send
- Dose Area Product (DAP) meter which measures the X-ray dose output at the collimator and reports the measured DAP (mGy\*m2)
- Dose measurement exported in DICOM data
- Integrated image display and generator control.
- Image preview within 3 seconds.
- Auto protocol assist
- Repeat/reject analysis
- Onsite (3 day) applications training
- Service training (to include T&L, Airfare, and Tuition)