

V.A. MEDICAL CENTER  
BLDG 402A  
500 E VETERANS ST  
TOMAH, WI 54660

PO# 676-B38001

---

## **Carestream DRX Wireless Digital Upgrade**

### **Converts existing Kalare R/F System to Wireless Digital-Radiography (DR)**

#### **DRX-1C "Thin-Lightweight" Wireless 14x17" DR Cassette**

- . Cesium-Iodide scintillator, amorphous-Silicon TFT
- . ~65% DQE (RQA 5 beam quality) typical
- . Imaging Area: 17 x 14"
- . Pixel Array: 3072 x 2560 pixels (7.9 million pixels)
- . Pixel Size: 139 micron (Nyquist Resolution 3.6 lp/mm)
- . Preview Image <3 seconds
- . Dimensions: 15 x 18 x 0.6", Weight: 7.7 lbs
- . Includes a battery charger and two batteries

#### **Carestream DRX-1 System Capture Console**

- . 19" Touch-Screen, Flat Panel Monitor
- . Exposure Hand Switch
- . PC minimum hardware includes hp5800; 500 GB HDD, 1.8 GhZ Duo Core PC, 4 GB RAM, Keyboard, Mouse
- . Barcode scanner for patient registration and wireless detector enable/disable

#### **EVP-Plus Image Processing**

- . High-order, multi-frequency image processing for consistent grey scale presentation for both bone and soft tissue, enhancing both high-contrast and low-contrast visualization
- . Consistent fixed-look body part processing and improved image processing of un-known body parts
- . Choice of adaptive image processing "Looks"
- . Simple orthogonal reprocessing controls
- . Procedure Code Mapping software to automatically map RIS codes to specific views for each examination
- . DICOM-Store, DICOM-Print and DICOM Storage Commit

- . DICOM Modality Worklist; automated Patient registration; configurable query filter and polling interval
- . IHE Scheduled Workflow and Patient Information Reconciliation
- . IHE Consistent Presentation of Images for consistent presentation of images at PACs destinations
- . MPPS color-scheme status for scheduled, started, completed, arrived
- . Image re-assignment for patient information reconciliation/correction
- . CD/DVD image burning in both jpg and DICOM format with DICOM Viewer
- . Grid detection and suppression software automatically detects and suppresses gridline artifacts
- . Automated and manually adjusted Black Masking eliminates flare for better viewing
- . Annotations including Text, Distance Measurements, Angles, Cobb Angle, Comments, and Electronic Markers
- . Image manipulations for Flip, Rotate, Pan, Zoom, Invert Grayscale, with image processing slider bars for brightness, latitude, and detail, plus sharpness and noise presented for Key Operators
- . Security Audit Log supports privacy regulation requirements
- . Symantec Critical System Protection (CSP) monitors actions for evidence of malicious software; provides threat protection for servers and desktops; mitigates new and evolving threats without requiring emergency patch updates
- . Repeat/Reject Analysis and exposure data monitors staff performance, department productivity, and patient care
- . Configurable high and low watermarks for image retention, with retention of patient demographics after images age off
- . Interface Connection to existing generator
- . Wall-Mount Detector Holder
- . **Wireless Access Point**

#### **Administrative Analysis Software**

- . Detailed statistics and analysis of detector use, radiography use, repeat rate and exposure index

## **Digital Rotating Tray and Cabinet for Landscape/Portrait rotation of detector**

### **Detector Accident Protection Plan (Drop Rider) for DRX Panel**

- . Provides replacement availability of DRX panel resulting from accidental drop breakage or other major event within Carestream's warranty policy
  - . Panels replaced under the Detector Accident Protection Plan will be replaced at a fixed cost of \$5,000 / drop occurrence, \$10,000 / occurrence of liquid damage
- 
-