

WAREHOUSE B20017  
V.A. Medical Center  
JAH VA HOSPITAL  
13000 BRUCE B. DOWNS  
TAMPA, FL 33612-4745  
P.O.# 673-B20017

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### **"Digital Mobile Standard C-arm PMCare**

(PMCare Platform with 8 fps digital disk and 12"1.I.)

High performance mobile C-arm for use in vascular and endovascular procedures. Provides flexible mechanical features, rotating anode x-ray tube, user-friendly touch screen user interface, and superb quality.

The physical dimensions and the open design of the C-arm allow the system to be easily transported throughout the hospital and provide unobstructed imaging access around the patient and procedural table.

#### **Digital Image Processing and Workstation**

- Dynamic Range Management (DRM) controls for image management
- Five pre-set imaging profiles for optimized anatomical capture
- Dual articulating, high resolution flat screen black & white monitors
- Integrated keyboard touchpad - cursor/tap controls
- DICOM 3.0 interface with send and query/retrieve
- CD/DVD on-board media storage, read/write compatible

#### **Generator**

- 60kHz high frequency
- 15kW power
- Up to 120kVp
- Up to 75mA for radiographic film exposure
- Continuous high level fluoro (FILF) up to 20mA
- Digital spot up to 75mA
- Full power from standard wall outlet
- Patented battery buffered design

#### **X-ray Tube**

- Rotating anode X-ray tube
- 0.3mm and 0.6mm focal spots
- Anode heat capacity: 300,000 HU (per IEC 60613)
- Anode cooling rate: 85,000 HU/min.
- Housing heat capacity: 1,600,000 HU
- Standard housing cooling 22,500 HU/min.

#### Digital Image Rotation

- Digitally adjusts image display
- Automatic image update
  - Image rotation
  - Image reversal (side-to-side)
  - Image invert (top-to-bottom)
- Image positioning without additional exposure

#### PreView/H Collimator

- On-screen collimator position indication
- PreView™ iris collimator
- PreView™ Tungsten rotatable double leaf collimator
- Adjust collimators without X-ray exposure

#### Fluoro Mode

- kVp range: 40 - 120
- mA range: 0.2 - 10
  - 1.0 - 20 HLF (high level fluoro)
- Auto and manual fluoro modes
- AutoTrak™ ABS carries mA, kVp, camera gain

#### Pulsed Fluoro Mode

- kVp range: 40 - 120
- mA range: 0.2 - 10
- Pulse Rate: 1,2,4,8
- Pulse Width: 25 or 50ms
- AutoTrak™ ABS, mA kVp camera gain
- Reduces X-ray dose to patient and operator

#### High Level Pulsed Fluoro

- kVp range: 40 - 120
- mA range: 1 - 40
- Pulse rate: 1,2,4,8
- Pulse Width: 25 or 50ms
- AutoTrak™ ABS, mA, kVp, and camera gain

#### Digital Spot Mode

- kVp range: 40 - 120
- mA range: Up to 75
- Automatic exposure termination and automatic image save

#### Radiographic Mode

- mA range: up to 75
- mAs range: Up to 300
- Computer controlled exposure time

#### 12" Intensifier

- Tri-mode 12"/9"/6" (31cm/23cm/15cm) image intensifier
- Minimum central resolution (at the monitor):
  - 12" (31cm): 1.6 lp/mm
  - 9" (23cm): 2.2 lp/mm
  - 6" (15cm): 2.6 lp/mm
- DQE: 65% (typical)

Precision imaging with Dynamic Range Management (WM) enhances features of interest while attenuating background noise.

- Preset Imaging Profiles
  - 9800
  - General
  - Orthopedic
  - Spine
  - Vascular

### **AutoTalem**

#### **Automatic Brightness Stabilization (ABS)**

- Automatically seeks the subject anatomy anywhere within the imaging field and selects the optimum imaging technique
- Automatically adjusts to anatomical size and location
- Provides uniform image quality throughout entire image
- Simplifies operation

#### **Image Quality**

- Smart Window
  - Dynamically senses the collimator position and automatically adjusts brightness and contrast to produce high image quality
- Smart Metal
  - Allows user to adjust automatic brightness and contrast sensitivity levels to metal
  - Provides optimum image quality even when metal is introduced to the field
- Tungsten Collimator
  - Denser collimator limits X-ray exposure area
  - Reduces scatter radiation
  - Improves image detail

#### **Video Camera**

- High resolution 1k x 1k CCD camera
- Full frame capture
- Motorized rotation
- On-screen orientation indicator (real-time feedback without fluoro)
- Left-right image reversal
- Top-bottom image invert

#### **Video Display**

- Dual 18" (46cm) display anti-glare, LCD flat panel monitors mounted on an articulating arm
  - 22"horizontal travel
  - 7° up/10° down
  - Monitors viewable from all four sides of workstation
  - Horizontal and vertical viewing angle 170°
- 800 CD/M<sup>2</sup> maximum brightness
- Touch screen system control
- 1280 x 1024 high resolution monitors

#### **PMCare Platform**

- 1k x 1k x 16 bit image processing
- Preset Imaging Profiles
  - 9800
  - General
  - Orthopedic
  - Spine
  - Vascular
- Noise filter with on-screen indicator
- Minimal difference spatiotemporal noise filter (MDST)
- Real-time dynamic range management (DRM)
- Automatic digital brightness and contrast control
- Manual digital brightness and contrast control
- Negate mode
- Save and auto-save feature
- Swap and auto-swap feature
- Patient information
  - Examination list
  - Customized patient information
- Customize functions
  - Workstation set-up

**PMCare Platform Cont.**

- Mainframe set-up
- Patient information set-up
- Date/time set-up
- DICOM interface set-up
- Last image hold
- 1000 image storage
- CD/DVD burner with DICOM viewer for displaying images on PC platforms  
512 x 512 or 1k x 1k
- Integrated DICOM interface (store, print, worklist, and query/retrieve)
- HIPAA SecureView®
  - Password protection
  - Blank screen function
  - Delete all
- Zoom and roam function
- Image annotation
- Measurement software
- Real-time digital subtraction (DSA)
- Peak opacification
- 8fps Dynamic digital disk
  - Recording /playback rate: 1,2,4,8fps
  - Recording time: 5 minutes @ 8fps
  - Automatic image playback
  - Frame-by-frame review
- Re-registration

**User Interface**

- Entire system is computer controlled and software upgradeable
- Touchscreen control simplifies operation
- Automated system operation requires minimum operator interface
- Multi-functional controls
  - Footswitch
  - Hand-held control
- Simplified keyboard with integrated touchpad
- Multi-purpose image directory
  - Retrieve and review images
  - Compose hardcopy films
  - Copy images
  - X-ray dose summary

**C-arm Mechanics**

- Counterbalanced, manual adjustment of orbital rotation, cranial-caudal rotation, wig-wag and horizontal motion
- Patented flip-flop C-arm reversal (SmartView)
- 31" free space, 28" depth in arc, 115° orbital rotation
- Dual, illuminated C-arm operator control panels

**OEC Clinical Excellence Onsite Training**

- Pre-training package with interactive CD-ROM
- Up to three days' of in-service by our ARRT certified Clinical Imaging Specialists (CIS) for a recommended maximum of ten (10) participants
- Post-training skills assessment & test
- Participants will be eligible for Continuing Education **(CE) credits** from the American Society of Radiologic Technologists'
- Guaranteed' results

**Warranty**

- One year warranty

**Notes: OEC Clinical Excellence Onsite Training**

'Onsite training provided from 8am to 5pm, Monday through Friday. Includes all CIS travel & living expenses.

'Training produces the best results when a dedicated core group of technologists complete the session. We guarantee that the core group, who complete the entire OEC® Clinical Excellence curriculum, will be competent to perform the tasks required for basic operation of the system. Competency will be measured through a skills assessment completed while the CIS is on-site. The CIS will ensure that all participants meet such competency requirement.

**Notes: Imaging Tables Warranty Specific**

<sup>3</sup>Stille-Sonesta imaging products are warranted to be free from failures due to defects in materials or workmanship, for a period of one-year (12) months. During the warranty period, Stille-Sonesta will repair or replace without charge, at its sole discretion, any parts which are deemed defective as described above.

' Image Diagnostic Inc. (1D1) imaging products are warranted to be free from failures due to defects in materials or workmanship, parts are covered for a period of 3 years and labor for a period of 1 year. During the warranty period, IDI will repair or replace without charge, at its sole discretion, any parts which are deemed to be defective as described above

### *Third Party Item*

**1 Stille-Sonesta 6210 Urodynamics Video Fluoroscopy Table /Chair**

- The 6210 fluoroscopy Procedure Table offers the physician standing, seated, and supine positioning capabilities. The longitudinal imaging area is completely radiolucent from head to toe and the lateral imaging area is 19 inches. The table will easily adjust from a supine position to a 90 degree standing position, from a seated position to a standing position, and supine position to seated position with a hand control or an optional foot control. The side-mounted cantilevered design allows anterior/posterior, lateral and oblique views without obstruction. Superb c-arm access and a wide range a positioning possibilities, make the 6210 the ideal table for any imaging practice.

*Accessories Included:*

- Detachable Side Rails
- Detachable Arm Supports
- Adjustable Foot Rest

*Base*

- Length 115 cm/ 45,28 in
- Width 99 cm/ 38,98 in

*Seat height*

- Lowest height 50 cm/ 19,69 in
- Highest height 130 cm/ 51,18 in
- Seat tilt -5° to vertical 90°
- Back tilt Vertical 90° to -15° trend
- Maximum patient weight 250 kg/ 551 lbs
- Weight of table Approx 150 kg/ 330 lbs

*Technical specifications:*

- Mains voltage 115VAC, 60Hz
- Enclosure IP 66
- Classification Type B
- Electrical safety Class 1
- Leakage current The 6210 table complies with the leakage current requirements according to IEC 60601-2-46
- Battery backup 1.2 Ah

WARRANTY: Stille-Sonesta imaging products are warranted to be free from failures due to defects in materials or workmanship for a period of one year 112 months). During the warranty period, Stille-Sonesta will repair or replace without charge, at its sole discretion, any parts which are deemed to be defective as described above.

- 1** 12"1.I. laser aimer/localizer (with removable cross hairs) & supplement
- 1** Sony UP897-MD thermal printer 13" x 5" paper)
- 2** Patient Restraint Strap, Deluxe Maximum Restraint
- 1** 12" UltimoCare Service Contract with Glass (Twelve-Month Extended Warranty, 1 year per system)