VAMC ALBANY, NY
PO# 528-B33011

Qty	Description
1	*OEC 9900 Elite ™* Digital Mobile Standard C-arm VASMTS (Vascular MTS Platform with 30 fps digital disk and 12"I.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 image 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
- Six 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
- USB 2.0 mass storage device, write only, .jpg/.bmp/.avi file formats

Generator

- 60kHz high frequency
- 15kW power
- Up to 120kVp
- Up to 75mA for radiographic film exposure
- Continuous high level fluoro (HLF) 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™ Collimator

- On-screen collimator position indication
- PreView™ iris collimator
- PreView™ Tungsten rotatable double leaf collimator
- Adjusts 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 varies 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 Cine Pulse Mode

- kVp range: 40 – 120
- mA range: up to 150
- Pulse rate: 15 or 30pps 60 Hz, 12 or 25pps 50Hz
- Pulse width: 10ms
- AutoTrak™ ABS, mA, kVp, 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" Image 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 (DRM) enhances features of interest while attenuating background noise.

- Preset imaging Profiles

-9800
-General
-Orthopedic
-Spine
-Vascular
-Bolus Chase

AutoTrak™ 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

-Allow 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/M² maximum brightness
- Touch screen system control
- 1280 x 1024 high resolution monitors
- OEC 9900 TechView Reference Monitor
- 9" LCD Display Mounted at C-arm mainframe
- Reference quality real-time video of left live-image C-arm
- 270 degree rotation, +30/-5 degree tilt

Vascular MTS Platform

- 1k x 1k x 16 bit image processing
- Preset Imaging Profiles

-9800
-General
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-Vascular
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- Noise filter with on-screen indicator
- Minimal difference spatiotemporal noise filter (MDST)

Vascular MTS Platform Cont.

- 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
-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
- Roadmapping
- Re-registration
- Variable landmarking
- Mask save/recall
- Motion tolerant subtraction (MTS)
- Digital cine pulse mode

-30 pulses/sec 60Hz (25 pulses /sec 50Hz)
-Up to 150mA
-10ms pulse width

- 30fps Dynamic digital disk 60 Hz (25 pulses/sec, 50Hz)

-Recording/playback rate: 1,2,4,8,15, 30fps 60 Hz (1, 2, 4, 8, 12, 25, 50 Hz)
-Recording time: 10 minutes @ 30fps 60 Hz (time depends on record frame rate) (25 fps, 50 Hz)

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[1] 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[2]
- Guaranteed[2] results

Warranty

- One year warranty

Notes: OEC *Clinical Excellence* Onsite Training

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

[2]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

[3]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.

[4]Image Diagnostic Inc. (IDI) 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

Notes: WSP – Wireless Service Platform. The OEC 9900 comes with a device called the WSP which facilitates these capabilities:
[1]**USB 2.0 mass storage ,** The USB functionality is write only, and saves images in .jpg/.bmp/.avi file formats. USB storage devices must be unencrypted and unprotected
[2]**If purchased, Wireless DICOM.** Wireless utilizes a Wireless LAN 802.11 b/g/n, 10/100MB device, runs a custom embedded Windows implementation, and currently supports WEP-64, WEP-128, WPA-PSK(TKIP), WPA2-PSK (AES-CCMP) security methods

1	12" I.I. laser aimer/localizer (with removable cross hairs) & supplement
1	Sony UP-D72XR instant film/paper imager
1	Wireless Hand/Foot Switch
1	GE OEC 9900 12" One Year Extended Warranty