VAMC LONG BEACH, CA
PO# 600-B40002

Qty	*Description*

1 **OEC 9900 Elite™ Digital Mobile Standard C-arm ESP (Expanded Surgical Platform with 12"I.I.)**

High performance mobile C-arm for use in general surgical 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
- Four 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 collimator 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 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 (DRM) enhances features of interest while attenuating background noise.

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

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 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°
- 1200 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° rotation, +30/-5° tilt

ESP Platform

- 1k x 1k x 16 image processing
- Preset Imaging Profiles:
- 9800
- General
- Orthopedic
- Spine
- 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
- 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

User Interface

- Entire system is computer controlled and software upgradeable
- Touchscreen controls 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 two days* of in-service by our ARRT certified Clinical Imaging Specialists (CIS) during the one-year warranty period.
- Post-training skills assessment & test.
- Participants may be eligible for Continuing Education (CE) credits from the American Society of Radiologic Technologists**

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.

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. Those who complete the entire OEC Clinical Excellence curriculum should 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.

1 IDI Aspect 100UC Plus Fluoroscopic Procedure Table

Multi-Purpose Mobile Urological Imaging Table with motorized Elevation, Trendelenburg Tilt Longitudinal and Transverse Tabletop Motions

- Carbon fiber tabletop with low x-ray attenuation
- 2" (5cm thick tabletop & tabletop extension pads with memory foam construction and waterproof cover
- Tabletop dimensions: 28"W x 46"L (71 x 117 cm)
- Radiolucent tabletop extension: 24"W x 34"L (61 x 86 cm)
- Imaging area, main tabletop: 25"W x 20"L (63.5 x 50.8 cm)
- Imaging area, tabletop extension: 24"W x 34"L (61 x 86 cm)
- Motorized Tabletop motions with hand control and foot control:
- Elevation 31.3" – 41.1" (79.4 – 104.4 cm)
- Trendelenburg Tilt ± 15°
- Longitudinal tabletop travel = 10" (25.4cm)
- Transverse tabletop travel = ± 3.5 (±8.9 cm, 17.8cm total)
- Built-in footswitch storage tray
- Removable radiographic cassette tray, loads from either side of table
- Standard US side-rails for accessory attachments on main tabletop
- Patient weight capacity:
- With patient upper body on main tabletop: 525 lbs.(238 kg)
- With patient upper body on extension: 400 lbs. (181 kg)
- Load capacity on extension only: 250 lbs. (113.4 kg)

- Table weight: 575 lbs. (261 kg)
- Locking swivel casters, 5" (12.7 cm), for easy transport
- Electrical power required: 110 VAC, 60 Hz, or 230 VAC 50/60 Hz operation (must specify with order). 10 amp max. required at 110V.
- Battery back-up operation

Accessories included:

- Tabletop Pad, 2" thick, waterproof
- Tabletop Extension, with pad
- Hand control pendant
- Footswitch control
- Drain Bag Support Hoop
- Disposable drain bag and hose assembly, box of 20
- Removable Radiation Shield Flap for perineal end of table
- Patient Restraint Straps (2)
- Armboard (1), rail mounted, with pad and strap
- Disposable covers for footswitch, box of 50

Warranty:

- Image Diagnostics Inc. (IDI) products are warranted to be free from failures due to defects in materials or Workmanship for a period of 3 years for parts and 1 year for labor.
- During this period any warranty claims should be addressed directly with IDI.

1 **NuBoom M2 Classic G**

High Definition System
All in one equipment management and visualization system

Includes:

- Two (2) Overhead 24" HD Monitors
- One 1-segment and One 2-segment booms
- 7" Touch Screen Master Control
- DOCS Software
- Split-Screen compatibility on all monitors
- Universal Output

10 Inputs:

- 2 'S' Video
- SOG Left and Right
- 1 HDSDI 1080i
- 1DVI-D 1080P
- 3 VGA/RGB
- 1 Composite

WARRANTY:

- CompView Medical warrants the functionality of our products (NuBOOM and DOCS) for a duration of one year. Start date of warranty is the date of product installation or 60 days after shipment, whichever is earlier.

1 **Aux Inputs – Composite, OEC L and R, and CAT5 video**

connections and cabling placed on either cabinet or wall (Customer must run cables to any wall location).

1 **Sony UP990-AD thermal printer (6" x 8" Paper/Blue Transparent Film)**

1 **12" I.I. laser aimer/localizer (with removable cross hairs) & supplement**

1 **12" Twelve Month Extended Warranty, 9900**

1 **IDI Pneumatic Assist Boot-style Stirrups A100-2246, Pair, Includes 2 Side Rail Clamps C000-0656**

1 **9900 Service Technical Training, 2 Weeks – Full Course. Training must be completed (1) one year from installation of System.**