

WHSE BLDG 297 (WLA) B50031

V.A. Medical Center

VAMC WEST LA

11301 WILSHIRE BLVD

LOS ANGELES, CA 90073

P.O.* 691-B50031

To:

RANDY JONES

DIRECTOR OF RADIOLOGY

VA WADSWORTH MEDICAL CENTER

11301 WILSHIRE BLVD WAREHOUSE

LOS ANGELES, CA, 90073

<i>Qty</i>	<i>Description</i>
1	OEC 9900 Elite™ Digital Mobile Super C-arm VAS15 (Vascular 15 Platform with 15 fps digital disk and 9" I.I.)
1	9" Twelve Month Extended Warranty, 9900
1	IR Remote control with labeled batteries, 9900 wkstn
1	Sony UP-991AD hybrid graphic printer
1	9" I.I. laser aimer/localizer (with removable cross hairs) & supplement

<i>Qty</i>	<i>Description</i>
1	<p data-bbox="399 884 1136 940">OEC 9900 Elite™ Digital Mobile Super C-arm VAS15 (Vascular 15 Platform with 15 fps digital disk and 9" I.I.)</p> <p data-bbox="399 968 1172 1077">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.</p> <p data-bbox="399 1136 1136 1245">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.</p> <p data-bbox="399 1272 878 1299">Digital Image Processing and Workstation</p> <ul data-bbox="399 1327 1172 1545" style="list-style-type: none"> - 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 - USB 2.0 mass storage device, write only, .jpg/.bmp/.avi file formats <p data-bbox="399 1572 516 1600">Generator</p> <ul data-bbox="423 1627 946 1845" style="list-style-type: none"> - 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 <p data-bbox="399 1873 524 1900">X-ray Tube</p> <ul data-bbox="423 1927 735 1955" style="list-style-type: none"> - Rotating anode X-ray tube

Part Number	Qty	Description	List Price	Net Price
		<ul style="list-style-type: none"> - 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. 		
		<p>Digital Image Rotation</p> <ul style="list-style-type: none"> - Digitally adjusts image display - Automatic image update - Image rotation - Image reversal (side-to-side) - Image invert (top-to-bottom) - Image positioning without additional exposure 		
		<p>PreView™ Collimator</p> <ul style="list-style-type: none"> - On-screen collimator position indication - PreView™ iris collimator - PreView™ Tungsten rotatable double leaf collimator - Adjusts collimators without X-ray exposure 		
		<p>Fluoro Mode</p> <ul style="list-style-type: none"> - 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 		
		<p>Pulsed Fluoro Mode</p> <ul style="list-style-type: none"> - 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 		
		<p>High Level Pulsed Fluoro</p> <ul style="list-style-type: none"> - 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 		
		<p>Digital Cine Pulse Mode</p> <ul style="list-style-type: none"> - kVp range: 40 - 120 - mA range: up to 150 - Pulse rate: 15pps 60 Hz, 12pps 50Hz - Pulse width: 10ms - AutoTrak™ ABS, mA, kVp, camera gain 		
		<p>Digital Spot Mode</p> <ul style="list-style-type: none"> - kVp range: 40 - 120 - mA range: Up to 75 - Automatic exposure termination and automatic image save 		
		<p>Radiographic Mode</p>		

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

9" Image Intensifier

- Tri-mode 9"/6"/4.5" (23cm/15cm/11cm) image intensifier
- Minimum central resolution (at the monitor):
 - 9" (23cm): 2.2 lp/mm
 - 6" (15cm): 3.0 lp/mm
 - 4.5" (11cm): 3.5 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

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:
 - Left hand Black & White monitor, Right hand Color monitor
 - 22" horizontal travel
 - 7° up/10° down

Part Number	Qty	Description	List Price	Net Price
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- 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

Vascular 15 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
 - 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
 - Digital cine pulse mode
 - 15 pulses/sec 60Hz (12 pulses /sec 50Hz)
 - Up to 150mA
 - 10ms pulse width
 - 15fps Dynamic digital disk 60 Hz (25 pulses/sec, 50Hz)
 - Recording/playback rate: 1,2,4,8,15 fps, 60 Hz (1,2,4,8,12 fps, 50 Hz)

Part Number	Qty	Description	List Price	Net Price
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- Recording time: 10 minutes @ 15fps 60 Hz (time depends on record frame rate) (12 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

- "Super C" configuration: 33" depth in arc and 145° orbital rotation
- Counterbalanced, manual adjustment of orbital rotation, cranial-caudal rotation, wig-wag and horizontal motion
- 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) 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 Technologists²

Warranty

- One year warranty

Notes: WSP - Wireless Service Platform

- The OEC 9900 comes with a device called the WSP which facilitates these capabilities:
 - 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.

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.

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