

REQUISITION: 573-B85093

REQUESTING SERVICE: SURGICAL

SHIP TO:
V.A. Medical Center
1601 SW ARCHER ROAD
GAINESVILLE, FL 32608-1135

EQUIPMENT	QTY
Vision RFD 3D ⁽²⁾	1
Mobile Cart for Remote Vision Center and Position Control Center ⁽³⁾	1
Anatomical Marking Tool ⁽⁴⁾	1
Brainlab Activation kit ⁽⁵⁾	1
Ziehm NaviPort 3D ⁽⁶⁾	1
Z-Complete Care: on Vision RFD 30 3D PER YEAR ⁽⁷⁾	1

TRAINING	TY
Z-Academy Care: Service Training Tuition on Vision RFD 30 3D ⁽¹⁾	1

PRODUCT SPECIFICATIONS

2	<p><i>VISION RFD 3D Flat Panel Digital Mobile C-arm motorized on four axes for General Purpose and 25 kW Generator - CMOS Line</i></p> <p>Unsurpassed digital image quality with optimum dose efficiency. Four motorized axes movements with distance control for collision protection. Designed to perform a wide range of surgical imaging applications including pediatric with leading edge technology and state-of-the-art functionality. System includes 3k x 3k high resolution, 31 cm x 31 cm flat panel CMOS detector digital imaging, rotating anode x-ray tube, high-power 25kW generator and Unique Liquid Cooling of x-ray tube/generator for unlimited fluoroscopy time. Proprietary Object Detected Dose Control (ODDC) software optimizes image quality and minimizes dose levels through automatic motion detection, automatic metal object correction, automatic dose reduction and automatic object detection for image optimization even when subject anatomy is at the periphery of the field of view. Simple user interface provided by intuitive Vision Center TFT control panel that includes anatomic program selection and technologist reference image display.</p> <p>X-Ray Generator</p> <ul style="list-style-type: none">• 40kHz High Frequency, Monoblock• 25kW Power including high power boost caps, microprocessor controlled <p>X-ray Tube</p> <ul style="list-style-type: none">• Rotating anode x-ray tube with 0.3/0.6 mm focal spots• Max. anode heat content; 260 kJ/ 365 kHU• Max. anode heat dissipation: 1,000W• Tube housing heat capacity:<ul style="list-style-type: none">• Advanced Active Cooling and heat management system• 10 million HU system heat capacity• 102,000 HU/Min. continuous dissipation in clinical performance <p>Collimator System</p> <ul style="list-style-type: none">• Dedicated asymmetric collimator for flat panel detector• Collimator Rotation: +/- 90• Iris Collimator: 50 – 289 mm diameter• Asymmetric slot Collimator: 50 – 289 mm diameter• Virtual Collimation without radiation <p>Operating Values</p> <ul style="list-style-type: none">• Pulsed Fluoroscopy<ul style="list-style-type: none">• kV range: 40 – 120 kV• mA range: 1.5 – 250 mA• pulse width: 7 – 40 ms• pulse rate: 1, 2, 4, 8, 12.5, 25 pulses/sec• Digital Snapshot Mode<ul style="list-style-type: none">• kV range: 40 – 120 kV• mA range: up to 250 mA <p>Flat Panel Detector System</p> <ul style="list-style-type: none">• 30.7 cm x 30.7 cm, CMOS technology• Detector matrix: 3,072 x 3,072 pixels<ul style="list-style-type: none">• Magnifier 1: 2,048 x 2,048 pixels• Magnifier 2: 1,536 x 1,536 pixels• System resolution 4.7 lp/mm• Dynamic Range:<ul style="list-style-type: none">• 1 x 1 binning: 84 dB• 2 x 2 binning: 95 dB
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- Anti-scatter grid: 70 lines/cm; grid ratio 8:1
- Laser positioning device integrated in detector housing

Monitors

- Two, ultra-high resolution and brightness, 19" flat screen
- Resolution: 1,280 x 1,024 pixels
- Viewing angle: 178, Tilting +/- 10
- Brightness: 1,000 cd/m²

Digital Image Processing

- Real-Time Processing Functions
 - Recursive Filter: 4 levels
 - Stack filter: 5 levels
 - Edge enhancement: 5 levels
 - Window and level
 - Digital image rotation without radiation
 - Grayscale inversion
 - Digital shutters
- Post processing Functions
 - Edge enhancement
 - Zoom
 - Image rotation
 - Windowing
 - Grayscale inversion
 - Image cropping

Application-Oriented Anatomical Programs

- Bone: Extremities, Trunk
- Heart, Abdomen, Soft

Additional functions

- Large Patient
- High quality
- Metal
- Pediatric

Object Detected Dose Control

- Automatic object detection
- Automatic motion detection
- Automatic dose reduction
- Automatic metal correction

Image Acquisition

- Auto save
- Digital cine pulse with cine loop up to 25 frames/ second

Digital Image Storage & Archiving

- 100,000 image memory
- USB 2.0 port, USB stick

User Interface

- TFT touch screens on C-arm and workstation with Smart-Eye technologist reference image
 - Intuitive icons for easy use
 - Patient annotation
 - SmartArchive for easy, fast image archive access and selection

- 1, 4, or 16 image mosaic
- Live image display on C-arm touch screen
- Position Control Center (PCC)
 - 4 axes movement control
 - Save and recall of up to 3 positions
 - Home/ 0 position button
 - Emergency stop button
- HIPAA security package
- X-ray enable key lock
- Air kerma dose display
- Footswitch

Ziehm Netport DICOM Package

- Includes interface and software for:
 - Storage Class and Storage Commit
 - Worklist Class, including MPPS
 - Query Class
 - Media Class
 - DICOM viewer software with auto-run for DVD or USB

3	Mobile Cart for Remote Vision Center and Position Control Center (included in Advanced Vascular configurations)
4	Anatomical Marking Tool (incl. in 302848-AV)
5	Brainlab Activation kit
6	Ziehm NaviPort 3D
7	Z-Complete Care: On-Site Service Coverage and Technical Phone Support Coverage on weekdays from 7:00 am to 7:00 pm (Eastern Time Zone); One Preventative Maintenance (PM) per Year during contract hours; Service may be performed by Ziehm Service Technician or an Authorized Service Provider; Covers Glassware – Full Coverage of the systems I.I., Flat Detector, X-Ray Tube and Monitors. After-hours service available at standard hourly rate.

1	Z-Academy Care: Service Training Tuition on Vision RFD 30 3D (Excludes airfare and hotel)