

SHIP TO:
 LOGISTICS (90D) B80007
 V.A. Medical Center
 RCVNG CTR, BLDG #110
 10000 BAY PINES BLVD
 ST PETERSBURG, FL 33708

P.O.# 516-B80007

EQUIPMENT		QTY
Vision RFD 31 for General Purpose ⁽¹⁾	302894-GP	1
HIPAA Security Package ⁽²⁾	302725	1
100,000 Image Memory ⁽³⁾	302798	1
Netport DICOM Package ⁽⁴⁾	30312	1
Netport DICOM-software Image-Retrieve ⁽⁵⁾	30336	1
Anatomical Marking Tool ⁽⁶⁾	302859	1
Z-Complete Care: on Vision RFD 30 PER YEAR ⁽⁷⁾	ZC302800	2
Trade-In Allowance ⁽¹⁰⁾	TradeInAllowance One Time	1
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PRODUCT SPECIFICATIONS

1

ZIEHM VISION R FD Digital Mobile C-arm with Flat Panel for General Purpose Imaging with 25kW Generator – CMOS Line

Unsurpassed digital image quality with optimum dose efficiency. Designed to perform a wide range of surgical imaging applications with leading edge technology and state-of-the-art functionality. System includes 3k x 3k high resolution, 31cm x 31cm flat panel CMOS detector digital imaging, rotating anode x-ray tube and Unique Liquid Cooling of x-ray tube/ 25 kW 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.

X-Ray Generator ³

- 40kHz High Frequency, Monoblock
- 25 kW Power including high power boost caps, microprocessor controlled

X-ray Tube

- Rotating anode x-ray tube with 0.3/0.6 mm dual focus
- Max. anode heat content; 365 kHU / 260 kJ
- Max. anode heat dissipation: 1,000W
- Tube housing heat capacity:
 - Powered by Advanced Active Cooling and heat management system
 - 10 million HU system heat capacity
 - 102,000 HU/Min. continuous heat dissipation in clinical performance

Collimator System

- Dedicated pre-collimator for flat panel detector
- Collimator Rotation: +/- 90
- Iris Collimator: 50 – 289 mm diameter
- Slot Collimator: 50 – 289 mm diameter
- Virtual Collimation without radiation

Operating Values

- Pulsed Fluoroscopy
 - kV range: 40 – 120 kV
 - mA range: 1.5 – 250 mA
 - pulse width: 10 – 40 ms
 - pulse rate: 1, 2, 4, 8, 12.5, 25 pulses/sec
- Digital Snapshot Mode
 - kV range: 40 – 120 kV
 - mA range: up to 250 mA
- Digital Cine Pulse
 - kV range: 40 – 120 kV
 - mA range: up to 250 mA
 - pulse width: 7 – 40 ms
 - pulse rate: up to 8 pulses/sec, 8 frames / second

Flat Panel Detector System

- 30.7 cm x 30.7 cm, CMOS technology
- Detector matrix: 3,072 x 3,072 pixels
 - Magnifier 1: 2,048 x 2,048 pixels
 - Magnifier 2: 1,536 x 1,536 pixels
- System resolution 4.7lp/mm
- Dynamic Range:

- 1 x 1 binning: 84 dB
- 2 x 2 binning: 95 dB
- 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 screens
- 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
 - Windowing and step windowing
 - Digital image rotation and reversal without radiation
 - Grayscale inversion
 - Digital shutters
 - Object Detected Dose Control (ODDC)
 - Ziehm Adaptive Image Processing (ZAIP)
- Post processing Functions
 - Edge enhancement
 - Zoom
 - Image rotation
 - Windowing and step windowing
 - Grayscale inversion
 - Image cropping

Application-Oriented Anatomical Programs

- Bone: Extremities, Trunk
- Heart, Abdomen, Soft
- Metal, Large Patient

Object Detected Dose Control

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

Image Acquisition

- Autosave
- Cine loop with auto-playback, up to 8 frames/second

Digital Image Storage & Archiving

- 10,000 image memory
- USB 2.0 port, USB stick

User Interface

- TFT touchscreens on C-arm and Monitor Cart 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
- X-ray enable key lock

		<ul style="list-style-type: none"> • Air kerma dose display • Footswitch • Additional handrails on the C • New Color Concept • Emergency Switch on C-arm
		Video Output Connector(s) CCIR (50Hz) connector provides signal for stand-alone printers or standard resolution monitors
2		HIPAA Security Package
3		100,000 Image Memory (available only for 302760-P-1) for 302805-GP-1 only!
4		Netport DICOM Package <ul style="list-style-type: none"> • Includes interface and software for: Storage, Worklist (including MPPS), Query and Media-Class
5		Ziehm Netport DICOM-software Image-Retrieval
6		Anatomical Marking Tool (incl. in 302848-AV)
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.
10	TradeInAllowance	Please note that the trade-in price is valid only for the system that is specified in the introduction section. Serial number must match.
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Trade-In

Manufacturer	GE OEC
Serial #	82-2512
Model	900
Mfg. Date	09/2003
Condition	HARD DRIVE REMOVED
Components	NeuroVas
Pricing	Value listed below is contingent on inspection of the unit at time of pick up.

Trade-In

Manufacturer	Philips
Serial #	676
Model	Endura
Mfg. Date	01/2004
Condition	HARD DRIVE REMOVED
Components	12"
Pricing	Value listed below is contingent on inspection of the unit at time of pick up.

Trade-In

Manufacturer	Philips
Serial #	1043
Model	Endura
Mfg. Date	06/2009
Condition	HARD DRIVE REMOVED
Components	12"
Pricing	Value listed below is contingent on inspection of the unit at time of pick up.