V.A. Medical Center
3350 LA JOLLA VILLAGE DR
SAN DIEGO, CA 92161

PO# 664-B30014

	Qty	Description		
	1	***VISION R FD Flat Panel Digital Mobile C-arm with Advanced Vascular Package and 20 kW Generator Power***		

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 1.5k x 1.5k high resolution, 30cm x 30cm flat panel detector digital imaging, rotating anode x-ray tube, high-power 20kW generator and unique Active Fluid 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. Innovative *SmartVascular* user interface provides unequalled ease-of-use for angiographic procedures.

X-Ray Generator

- 20kHz High Frequency, Monoblock
- 20 kW Power, microprocessor controlled

X-ray Tube

- Rotating anode X-ray tube with 0.3/0.6 mm focal spots
- Max. anode heat content; 300 kHU / 222 kJ
- Max. anode heat dissipation: 870W
- Tube housing heat capacity:
    - Advanced Active Fluid Cooling and heat management system
    - 5 million HU system heat capacity
    - 100,800 HU/Min. continuous dissipation in clinical performance

Collimator System

- Dedicated pre-collimator for flat panel detector
- Collimator Rotation: +/- 90°
- Iris Collimator: 50 – 198 mm diameter
- Slot Collimator: 50 – 198 mm diameter
- Virtual Collimation without radiation

Operating Values

- Pulsed Fluoroscopy
    - kV range: 40 – 120 kV
    - mA range: 1.5 – 200 mA
    - pulse width: 4 – 50 ms
    - pulse rate: 1, 2, 4, 8, 12.5, 25 pulses/sec

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		• Digital Snapshot Mode o kV range: 40 – 120 kV o mA range: up to 200 mA **Flat Panel Detector System** • 30cm x 30cm, amorphous silicon photodiode TFT technology • Detector matrix: 1,536 x 1,536 pixels o Magnifier 1 : 1,024 x 1,024 pixels o Magnifier 2: 768 x 768 pixels • System resolution 2.4 lp/mm • Dynamic Range: 72dB • Anti-scatter grid • Laser aimer integrated in detector housing **Monitors** • Two, ultra-high resolution and brightness, 18" flat screen • Resolution: 1,280 x 1,280 pixels • Viewing angle: 170°, Tilting +/- 10° • Brightness: 600 cd/m² **Digital Image Processing** • Real-Time Processing Functions o Recursive Filter: 4 levels o Stack filter: 5 levels o Edge enhancement: 5 levels o Window and level o Digital image rotation without radiation o Grey scale inversion o Digital shutters • Post processing Functions o Edge enhancement o Zoom o Image rotation o Windowing o Grayscale inversion o Image cropping **Application-Oriented Anatomical Programs** • Bone, heart, abdomen, endo (if endo option purchased) • Metal, soft, large patient, and pediatric modes **Object Detected Dose Control** • Automatic object detection • Automatic motion detection • Automatic dose reduction • Automatic metal correction **Image Acquisition** • Auto save • Cine loop, up to 25 frames/second **Digital Image Storage & Archiving** • 65,000 image memory • USB 2.0 port, USB stick • DVD-RW drive		

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		Advanced Vascular Package • Innovative SmartVascular user interface • DSA, Maximum Opacification (MSA), and Roadmap (RSA) functions • Pixelshift and Landmarking • Measurement Functions • Extremity, torso, and bolus chase programs for optimized image quality • Cine loop up to 25 frames/second **User Interface** • TFT touch screens on C-arm and workstation with Smart-Eye technologist reference image o Intuitive icons for easy use o Patient annotation o SmartArchive for easy, fast image archive access and selection o 1, 4, or 16 image mosaic o Live image display on C-arm touch screen • HIPAA security package • X-ray enable key lock • Air kerma dose display • Emergency switch on C-arm and workstation • Additional handrails on C **Ziehm Netport DICOM Package** • Includes interface and software for: o Storage Class and Storage Commit o Worklist Class, including MPPS o Query Class o Media Class o DICOM viewer software with auto-run for DVD or USB **Video Output Connector(s)** • CCIR connector provides signal for stand-alone printers or standard resolution monitors • Two video connectors for external display of right and left monitors		
	1	Emergency switch on Mobile Stand		
	1	Two video connectors for external DVI display for left and right monitor in landscape mode		
	1	Ziehm Netport DICOM software Image-Retrieve		
	1	Sony UP-970 paper printer integrated in mobile Viewing Station		
	1	Wireless DICOM integrated in Monitor Cart		
	1	Additional set of Training manuals		
	1	On site training for 1 Biomedical Engineer		
	1	USB- CAN Adapter		
	1	Connector Cable USB- CAN RJ45		
	1	U 587A Service Adapter		
	1	Fiber Cable		
	1	Laser Adjustment		
	1	Dose Rate Filter		
	1	Center Beam Test Device		
	1	DSA Phantom		
	1	Dosemeter		

	1	Line Pair		
	1	Voltmeter used by Ziehm: Fluke model 179.		

SERVICE OPTIONS (at time of sale)

Service Program			***Contract duration***	
Z-**Complete Care** "After Warranty Parts & Labor, including Glassware"			4	
Z-Multi Care "After Warranty Parts & Labor, Excluding Glassware"			4	
Z-Crystal Care "Parts, Including Glassware"			4	
Z-Segment Care "Parts Only, Excluding Glassware"			4	
Z-Performance Care "Annual PM Only"			1	
Z-Academy Care "Service Training Tuition"			1	

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		Clinical Operator Training ▪ Up to three days[1] of in-service by Ziehm ARRT certified Applications Specialists for a recommended maximum of six (6) trainees[2] ▪ Continuing Education **(CE) credits** from the American Society of Radiologic Technologists are available for those X-ray technologists who successfully complete the training course **Notes:** [1]Onsite training provided from 8am to 5pm, Monday through Friday. Includes all CIS travel & living expenses. [2] The best user training result occurs when a dedicated core group of technologists complete the training. Ziehm Imaging guarantees that individuals in the core group, who complete the entire training, will be able to perform the tasks required for basic operation of the system. **Quote expires: November 21, 2013** **Shipping**: FOB Destination **Freight**: Included **Payment Terms**: Per Contract **Warranty**: 12 months parts and labor **Shipment lead time**: Approx. 4 weeks **Sales Tax**: Not included on quotation. System may be subject to sales tax **To Order:** 1. Make purchase orders to **Ziehm Imaging, Inc.** 2. Sign this quotation including Terms and Conditions 3. Fax a signed copy of the purchase order and a signed copy of this quotation including Ziehm Terms and Conditions to **321-445-5514** 4. **Mail deposit to Ziehm Imaging, 6280 Hazeltine National Drive, Orlando, FL 32822** • Failure to provide any of the above to Ziehm Imaging, Inc. at the time of order may delay delivery All purchases being financed through Leasing Companies require a deposit and a purchase order on Lender's Letterhead. For your order to be accepted, the Lender's PO must be received. By signing this quotation and issuing a purchase order against it, the Customer accepts Ziehm Imaging, Inc. Terms and Conditions, and acknowledges no other contracts, fee payments to third parties or terms and conditions apply to the solutions, goods and/or services contained within this quotation.		