

612-B69030  
VAMC MATHER, CA  
  
XR PORT C-ARM

EQUIPMENT

Ziehm Solo Basic <sup>(2)</sup>
Integrated Laser positioning device, mounted on image intensifier <sup>(3)</sup>
55,000 Image Memory <sup>(4)</sup>
Ziehm WLAN W1 Kit <sup>(5)</sup>
HIPAA Security Package <sup>(6)</sup>
Z-Complete Care: on Solo Basic PER YEAR <sup>(7)</sup>

# PRODUCT SPECIFICATIONS

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## ***Ziehm Solo Digital Mobile C-Arm Basic Package***

Unsurpassed digital image quality in a single component platform with compact footprint. Includes 24" split-screen TFT display on articulating support arm mounted to C-arm chassis. Designed to perform a wide range of surgical imaging applications with leading edge technology and state-of-the-art functionality. System includes 1k x 1k high resolution imaging and simple user interface provided by intuitive Solo Center TFT control panel that includes anatomic program selection and technologist reference image display.

### **X-ray Generator**

- 20kHz High Frequency, Monoblock
- 2.0kW Power, microprocessor controlled

### **X-ray Tube**

- Stationary anode X-ray tube with 0.6 mm focal spot
- Max. anode heat content: 48 kHU / 34 kJ
- Max. anode heat dissipation: 600W
- Tube housing heat capacity:
  - 1.14 million HU system heat capacity
  - 32kHU/min. cooling rate

### **Collimator System**

- Collimator Rotation: +/- 90
- Iris Collimator: 50 – 230 mm diameter
- Slot Collimator: 50 – 230 mm diameter
- Virtual Collimation without radiation

### **Operating Values**

- Pulsed Fluoroscopy
  - kV range: 40 – 110 kV
  - mA range: 0.2 – 20 mA
  - pulse width: 10 – 30 ms
  - pulse rate: 1, 2, 4, 8, 15, 30 pulses/sec
- Digital Snapshot Mode
  - kV range: 40 – 110 kV
  - mA range: up to 20 mA

### **Image Intensifier**

- 9"/6"/4.5" tri-mode cesium iodide
- DQE (IEC) 65%
- Central resolution 52/58/68 lp/cm
- Contrast Ratio: 30:1
- Anti-scatter grid

### **Digital Video Chain**

- Digital video camera (CCD)
- 1,024 x 1,024 pixels

### **Monitor**

- Single, high brightness, high contrast 24" flat panel monitor with split-screen display on articulating support arm
- Native Resolution: 1,920 x 1,200 pixels
- Viewing angle: 178
- Brightness: 400 cd/m<sup>2</sup>

## 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, heart, abdomen
- Soft and low dose key

## Image Acquisition & Archiving

- Auto save
- 10,000 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
- Air kerma dose display
- 2 pedal footswitch
- Additional handrails on lower C-arm
- Emergency Switch on C-arm
- New Color Concept on c-arm
- Object Detected Dose Control (ODDC)

## Ziehm Netport DICOM Package

- Includes interface and software for:
  - Storage Class and Storage Commit
  - Worklist Class, including MPPS
  - Query Class
  - Media Class

## Video Output Connector(s)

EIA (60 Hz) connector provides signal for stand-alone printers or standard resolution monitors

FRM 0800A

Integrated Laser positioning device, mounted on image intensifier (Included in 302820-P-1)

55,000 Image Memory (Included in 302820-P-1)

Ziehm WLAN W1 Kit (one access point at the Monitor Cart) NOTE: The possibility of integration into an existing WLAN network has to be confirmed by Ziehm Imaging individually

HIPAA Security Package

## 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.
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1	<b>Z-Academy Care</b> "Service Training Tuition" – 5 day BioMed training, tuition only! – Per Person
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