

OEC 9600[®]

Digital Mobile C-Arm



OEC 9600 Series Benefits

Video Imaging System

- 9" / 6" / 4.5" Imaging Intensifier - *New**
- 4.5" = 55 Lp / cm
- 6" = 48 Lp / cm
- 9" = 44 Lp / cm
- 32:1 Contrast Ratio
- 85% = QDE (typical)

X-Ray Tube - *New**

- Eureka - rotating anode
- 0.3mm - 1.0mm focal spots
- Focal spot kW rating: 0.3 - 5.3 kW, 1.0 - 41.0 kW
- Anode heat capacity: 300,000 HU
- Anode cooling rate: 70,000 HU per minute
- Housing heat capacity: 1,250,000 HU
- Anode diameter: 3"
- Anode angle: 12°

Collimator

- Two sets of opposing shutters
- Continuously variable
- Rotatable
- Remote control from the control panel

- **Great Images**
- **Low Dose**
- **Maneuverable**
- **Simple Operation**
- **Large Field of View**
- **Rapid Hard Copy**

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OEC 9600 Series Benefits

Fluoroscopy Mode

- 0.3 mm Focal Spot
- 40 to 120k Vp range
- 0.5 to 5.0mA range
- Auto / Manual Fluoro Modes
- Pulsed / Continuous / One Shot Modes
- KVp / mA Auto Brightness Control
- Standard / Chest / Low Dose Anatomical
- 20mA Boosted Fluoro Mode

Radiographic Mode

- 0.3 mm Focal Spot
- 50 to 120k Vp range
- 3 to 300mAs range
- 50 to 100kVp range
- 25 to 300mAs range

TV Camera

- High resolution CCD Camera
- 360° motorized rotation
- On-Screen orientation indicator
- Horizontal and vertical image reversal
- Negative mode
- Video signal: standard RS-170 60 Hz, 525 line (International CCIR 50 Hz, 625 line)
- Aspect ratio: 4:3

DIGITAL IMAGE PROCESSING

Basic Package

- 4 image storage with last image hold
- 640 x 512 x 10 bit
- Noise Reduction, (low, high)
- One Shot frame integration, (low, high)
- Enhanced Integration, (low, high)
- MARS, (Motion Artifact Reduction)

DIGITAL IMAGE PROCESSING

Expanded Surgical Package (ESP)

- Last Image Hold
- 200 image storage on hard disk
- 640 x 512 x 10 bit
- Noise Reduction, (low, medium, high)
- One Shot frame integration, (low, medium, high)
- 16 image collage
- Patient Annotation
- Window / Level
- Patient / image directories
- Sharpen (edge enhancement)
- Zoom
- Negate (negative mode)
- Real-time Autohistogram
- On-line help menus
- Procedure dose log, (mA, kVp, time, patient)
- Output to floppy / jazz option

Special Procedures

- Available only with ESP
- Continuous mode with up to 20mA boost
- Pulsed Fluorography up to 30mA boost
- Real-time digital subtraction
- Roadmapping
- Peak Opacification
- Re-registration (track-ball)
- Mask save & recall

4 fps Cine Digital Disk

- Integrated in monitor cart
- Available only with Chole & Special Procedure Modules
- Record Rate: 1, 2 or 4 frames per sec.
- Record Time: 1.5, 3, 5.5, 11, 22.5 or 45 minutes
- Playback Rate: 1, 2, 4, 8, 15, or 30 frames per second

30 fps Cine Digital Disk

- Integrated Monitor Cart
- Available only with Chole & Special Procedure Modules
- Record Rate: 1, 2 or 4, 8, 15 or 30 frames per sec.
- Record Time: 1.5, 3, 5.5, 11, 22.5 or 45 times
- Playback Rate: 1, 2, 4, 8, 15, or 30 frames per second

Monitor Cart

- Length = 27" (69 cm)
- Height = 64" (163 cm)
- Depth = 27" (69 cm)

FDA

- FDA 510K registered

Physical Specifications

Main C-arm Frame

- Length = 76" (193 cm)
- Height = 68" (173 cm)
- Depth = 33" (84 cm)
- SID = 39" (99 cm)
- Free space in Arc = 31" (79 cm)
- Depth of Arc = 26" (66 cm)
- Vertical travel = 18" (46 cm)
- L-arm rotation = 180°
- Horizontal scan = 11°

REMANUFACTURING BENEFITS

- New Image Intensifier
- New I.I. power supply installed & calibrated
- New rotating anode x-ray tube
- New batteries
- Digital system calibrated
- Video system calibrated
- X-ray system calibrated
- New upgraded high voltage cables
- New upgraded interconnect connectors
- New upgraded Image Intensifier handle
- New grid 8:1
- New grid ring
- New upgraded switches and circuit breakers
- New upgraded higher-load rated wheel bearings
- New upgraded c-arm wheels
- New monitor cart wheels
- New upgraded extended kick-pad
- New upgraded footswitch/cables/connectors
- New air filter for monitor cart
- New hospital grade power cord
- New hospital grade plugs and connectors
- New wig/wag, pin and chain
- New paint (hospital grade)
- Parts chromed
- Vertical drive assembly checked and adjusted
- Hardcopy camera installed and calibrated
- Monitors replaced
- Power supplies recalibrated or replaced
- Electrical Safety Test Performed
- Quality Assurance Test Performed
- Cosmetic Inspection
- All circuit boards brought to latest revision
- Upgraded firmware
- Collimator bearings checked and replaced if necessary
- All safety bulletins performed
- All field service bulletins performed
- System burned-in for 48 hours prior to delivery
- All systems shipped on customized pallets