

OEC 9600 C-Arm



The GE OEC 9600 C-Arm is a multi-application mobile X-ray imaging system that provides solutions for the most demanding needs in Pain Management, General, Orthopedic, Vascular, Neurovascular and Cardiac Surgeries.

Integrity Medical Systems, Inc.

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X-Ray Tube

- Rotating anode X-ray tube
 - Focal spots: 0.3 mm and 0.6 mm
 - Anode heat capacity: 300,000 HU
 - Anode cooling rate: 60,000 HU/min
 - Housing heat capacity: 1,600,000 HU
 - Anode diameter: 3.1 in
 - Anode angle:
 - 8.5 in. (9-inch Image Intensifier)
 - 10 in. (12-inch Image Intensifier)
 - X-ray tube cooling fan
- (Vascular, Neurovascular & Cardiac units)

Generator

- High frequency
- 4.0 kW full-wave
- Up to 120 kVp
- Up to 75 mA for radiographic film exposures
- Continuous fluoro boost mode up to 12 mA (optional)
- Pulsed fluoro mode
- Pulsed fluorography mode up to 40 mA (optional)
- Full power from outlet:
 - 50 Hz or 60 Hz
 - 100V-15A to 240V-10A
- Patented energy buffer design

Specialty Packages Available

- GSP
- ESP
- Vascular
- Vascular 4/8/15 FPS
- Neurovascular 30 FPS
- Cardiac 30 FPS
- Super C

Collimator

- Iris collimation with dual opposing semi-transparent shutters allow elliptical, round and rectangular collimation
- Iris and shutters are continuously variable
- All functions remotely controlled from the C-Arm control panel

Digital Spot Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 1.0 – 75 mA
- Automatically terminates exposure and stores enhanced image to storage archival disk

Radiographic Mode

- Focal spot: 0.3 mm or 0.6 mm
- Focal spot automatically selected
- 0.3 mm - mAs range: 1 - 100 mAs
- 0.6 mm - mAs range: 110 - 300 mAs
- kVp range: 50 - 120 kVp

Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 0.2 - 5.0 mA normal mode
- mA range: 1.0 - 12 mA continuous fluoro boost mode
- Auto and manual modes
- Continuous, one-shot or pulsed operation
- ABS varies mA, kVp and camera gain
- User specific ABS tables

Pulsed Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 0.2 – 5 mA
- Pulse rate: 1, 2, 4, or 8 pulses per second
- Pulse width: 30 or 50 milliseconds
- Computer controlled ABS, mA, kVp and camera gain

Pulsed Fluorography Mode (optional)

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 0.2 - 40.0 mA
- Pulse rate: 1, 2, 4, or 8 pulses per second
- Pulse width: 30 or 50 milliseconds
- Computer controlled ABS, mA, kVp and camera gain

Video Imaging System Image Intensifier 9 in Image Intensifier

- Tri-mode 9 in/6 in/4.5 in image intensifier
 - 9 in.: 1.4 lp/mm
 - 6 in.: 2.0 lp/mm
 - 4.5 in.: 2.4 lp/mm
- DQE: 65% (typical)

12 in Image Intensifier (optional)

- Tri-mode 12 in/9 in/6 in image intensifier
- Minimum central resolution (at the monitor):
 - 12 in.: 1.0 lp/mm
 - 9 in.: 1.3 lp/mm
 - 6 in.: 1.6 lp/mm
- DQE: 65% (typical)

Video Monitors

- Dual 16 in square, black etched, anti-glare, anti-static
- 525 lines/frame - 512 pixels
- Ambient room light sensor
- Multi-LED X-ray “ON” indicator • Remote window/level controls

Video Camera

- High resolution CCD camera
- Full frame capture
- 360° motorized rotation
- On-screen orientation indicator (real-time feedback without fluoro)
- Left-right image reversal
- Top-bottom image reversal
- Negative mode
- Video signal: Standard RS 170A 60 Hz, 525 lines
- Aspect ratio: 4:3
- Computer controlled features:
 - Gain
 - Blanking
 - Camera iris

Hardcopy Options

- Thermal printer (optional)
- External DICOM (optional)
- Image Capture Device (optional)
- Laser aiming device (optional)

C-Arm Dimensions

- Height: 68 / 86 in (1734 / 2191 mm)
- Width: 33 in (838 mm)
- Length: 78 in (1994 mm)
- Weight: 720 lbs

Workstation Dimensions

- Height: 64 in (1632 mm)
- Width: 27 in (692 mm)
- Depth: 27 in (692 mm)
- Weight: 430 lbs.

Actual configuration on the unit may vary.
Contact a sales representative for a complete list of details.

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