



The **GE OEC Elite** with a 12" image intensifier was designed to enhance surgical efficiency while delivering superb image quality. The OEC Elite allows you to manage dosages with profiles and control features and operates with enhanced ease-of-use and efficiency. This system is ideally suited for a range of surgical needs including orthopedics, gastrointestinal, endoscopic, urologic, neurologic, critical care, and emergency procedures.

Features

- Clear 1k x1k x 16 bit image processing at 30 fps.
- 12-Inch image intensifier detector.
- Optional laser aimer to position the detector over the anatomy of interest.
- Removeable anti-scatter grid.
- 30% less force needed to maneuver and position than previous models.
- Advanced cooling technology.
- Low profile X-ray tube.
- Crisp high-bright anti-glare 27" touchscreen display.



Specifications

Mainframe

- System Height: 73.8" (187.5 cm)
- System Width: 33.5" (85.1 cm)
- System Length: 81" (205.7 cm)
- Weight: 660 lbs. (277 kg)

C-arm

- SID: 39.4" (100.1 cm)
- Free space in arc: 31" (78.7 cm)
- Depth in arc: 28" (77.1 cm)
- Orbital Rotation: 115° (90° Underscan / 25° Overscan)
- Lateral Rotation: 360° (+180° / -180°)
- Wig/wag: 20°
- Horizontal travel: 8" (20.3 cm)
- Vertical Travel: 18" (45.7 cm)

Workstation

- Height: 67.5" (171.5 cm)
- Width: 34.1" (86.7 cm)
- Depth: 25.8" (65.5 cm)
- Weight: 428 lbs (194 kg)

Image Processing

- 1k x 1k x 16 bit: Image intensifier

Generator

- 60 kHz high frequency
- 15 kW power
- Up to 120 kVp
- Continuous high level fluoroscopy (HLF) up to 20 mA
- Pulsed HLF up to 40 mA
- Digital spot up to 75 mA
- Full power from a standard wall outlet
- Patented battery buffered design

X-ray Tube

- Rotating anode X-ray tube
- 0.3 mm and 0.6 mm nominal focal spots
- Anode heat capacity: 300,000 HU
- Anode cooling rate: 85,000 HU/min
- Housing heat capacity: 1,600,000 HU/min
- Housing Cooling rate: 22,500 HU/min

PreView Collimator

- On-screen collimator position indication
- PreView iris collimator
- PreView Tungsten rotateable double leaf collimator
- Adjust collimators without X-ray exposure

Digital Image Orientation

- Digitally adjusts image display for live and last image hold
- Automatic image update preserves image orientation settings applies during live and last image hold for subsequent images
- On-screen orientation indicator

TechView Monitor

- *Optional on image intensifier models
- 10.4" (26.4 cm) display, LCD flat panel monitor mounted on mainframe
- 800 x 600 resolution monitor

AutoTrak

- Automatically seeks the subject anatomy anywhere within the imaging field
- Selects the optimum imaging technique by varying mA, kVp, and gain
- Automatically adjusts to anatomical size and location
- Provides uniform image quality throughout the entire image

Image I.Q.

- Smart Window dynamically senses the collimator position and automatically adjusts image brightness and contrast
- Smart Metal adjusts brightness and contrast automatically and allows user to adjust sensitivity levels for optimum image quality even when metal is introduced
- Tungsten collimator that reduces scatter radiation and limits x-ray exposure area.

Video Monitor

- 27 in (69 cm) LCD TFT color display
- Anti-glare
- 450 cd/m² maximum brightness
- Touch screen system control
- 2560 x 1440 high resolution display
- Integrated PIP window to display color DVI-D input

User Interface

- Touchscreen control simplifies operation
- Automated system operation requires minimum operator interface

- Multi-functional controls with a footswitch or hand-held control.
- Physical keyboard with integrated touchpad with a sealed silicone design for dust-free, contaminant-free and water-resistant use
- Physical image control keypad
- On-screen virtual keyboard and image control keypad
- Multi-purpose image directory to retrieve and review images, copy image(s), or manual delete image(s)
- Integrated DICOM interface

