

OEC 9900

Overview

The GE OEC 9900 Elite is a mobile C-arm imaging system designed for cardiovascular, pain management, and general interventional procedures. It features a deep arch design for improved patient access and delivers high-resolution 1k x 1k imaging on a mobile platform. Dynamic Range Management (DRM) enhances image clarity by emphasizing key structures while reducing background noise.

Power and Performance

- 15kW generator with 60kHz high-frequency output
- Operates up to 120kVp
- Up to 75mA for radiographic exposures
- Continuous high-level fluoroscopy (HLF) up to 20mA
- Digital spot exposures up to 75mA
- Rotating anode X-ray tube with 300,000 HU heat capacity
- Cooling rate of 85,000 HU/min for extended use

Imaging and Display

- Dual 19-inch high-resolution LCD monitors
- Articulating arm for flexible positioning
- Horizontal viewing angle up to 170°
- Maximum brightness of 1200 cd/m²
- Touchscreen interface for system control
- AutoTrak Automatic Brightness Stabilization (ABS)
- Motion Tolerant Subtraction (MTS) for vascular imaging without masking

Imaging Components

- Available with 9-inch or 12-inch image intensifier
- Tri-mode options (12"/9"/6" or 9"/6"/4.5")
- Typical DQE of approximately 65%
- PreView collimator system for adjustment without X-ray exposure
- Battery-buffered design for extended operation

Safety and Availability

A Class 2 recall was issued in 2007 for certain units due to improperly reinstalled collimators affecting radiation safety. The recall was officially terminated in 2012. The system is available in both refurbished and new configurations, with refurbished units starting around \$68,000. Distribution includes both domestic and international markets.