

GE Healthcare



OEC[®] 9900 Elite

Premium Digital Mobile Imaging System



Discover the Clear Difference.



For over three decades, GE OEC has been the market leader in mobile C-arm surgical imaging. Now, the OEC 9900 Elite raises GE's gold standard to an unprecedented level with Precision Imaging Technology using DRM – Dynamic Range Management.

All the exceptional features you've come to associate with OEC C-arms are resident on this latest generation C-arm, but we're taking the 9900 Elite to new heights. We've given you meaningful new features that can positively impact your outcomes and enhance your productivity, while providing better return on your investment. Just what you'd expect from a recognized market leader in mobile imaging technology for over 30 years.

Come with us on a journey to discover the Clear Difference with the OEC 9900 Elite.



Traditional image



OEC 9900 Elite
using Bolus Chase Profile

Exceptional image quality and versatility that address a vast range of clinical, surgical and vascular applications wherever you need them – the OEC 9900 Elite is perfect in the ER, OR, ICU or any surgical imaging or interventional setting.

The latest patented GE innovation in C-arm technology uses a proprietary "no-mask" or Motion Tolerance Subtraction technique to produce vascular images not previously possible on a mobile platform. This advancement in imaging coupled with our unique Precision Imaging technology takes mobile imaging to new heights with improved productivity and the need for less contrast. Achieve the same benefits of subtraction without all the fuss. Less contrast. Faster procedures.

GE's advanced image processing performs faster than alternative technologies and applies specific processing algorithms or different "bandwidths" to accentuate what you want to see and attenuate what you don't.

This patented DRM technology processes each imaging profile uniquely to highlight the anatomy of interest. Bone and vasculature are processed separately to produce optimum definition according to the desired profile.

You can optimize image quality and reduce procedure time by simply selecting the preset imaging profile for a specific application.

Vas MTS...Breakthrough technology for improved vascular productivity.





Streamline even



Articulating monitors have height adjustment, rotate 270°, tilt 15° and travel 22" (56 cm) forward.



Flat panel monitors easily lock and unlock for safety and convenience

Elite's flat panel monitors set a new standard in movement. They mount on an articulating arm that allows for comfortable viewing from any angle in the OR yet lock securely in place for traditional workstation viewing and safe transport.

From its highly articulating monitors and intuitive touchscreen, to its choice of easily positioned motorized or non-motorized C-arms, the OEC 9900 Elite is loaded with features that maximize patient throughput and staff productivity.

every procedure.



Procedure set-up is a snap with pre-set imaging profiles that turn on automatically when the system boots or can be changed with one button. The intuitive workstation with touchscreen and touchpad interfaces simplify system operation and shortens procedure time to improve efficiency. The point and shoot image controls have been a hallmark of our product's simplicity. This productivity feature remains virtually unchanged from prior OEC workstations. Staff training is efficient. You can quickly enter and retrieve patient information.



New! Touchpad cursor for PC oriented users.



New! Ergonomic friendly keypad makes patient information and orientation easy.

Select image manipulation functions, annotate images, even make hard copy films or paper prints right from the workstation. For users who enjoy a more PC friendly approach, we've added a new touchpad cursor.

A button on the main keyboard lets the operator easily blank the screen to hide patient information for quick patient privacy. A two-step process erases all cases and data on the workstation's recording disk.

Designed for fast, efficient positioning, the OEC 9900 Elite's superb mechanical design features counterbalancing and friction controls for easier AP and lateral movement, orbital rotation and head-to-toe angulation ideal for a wide range of applications – also available in a motorized option.

A high-heat-capacity X-ray tube features a specially designed rotating anode to reduce overheating during long procedures and improve patient throughput. Proprietary heat pipe cooling technology and a ducted fan cooling system help increase fluoro on-time.



Motorized C-arm reduces staff dependence and improve patient throughput.



Standard non-motorized C-arm offers superb mechanical design using counterbalancing and friction controls.







HOSPITAL
05/03/2005
3:05:00 PM

48 L
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2

48
41
OEC

X-Ray Switch Setup

Fluoro

HLF

Dig. Spot

Roadmap

Subtract

Fluoro

15 pps

15 pps

Pulse

Rate...

Rate...

Exit

MODE

Change Profile...

Fluoro 15pps

Subtract 15fps 15pps

OEC 9900 Elite

SONY

OEC® 9900 Elite...the Clear

Moveable 18" Flat Panel Monitors

- Optional right hand color monitor for side-by-side endoscopic and Black and White fluoro images.
- High Resolution Standard Black and White monitors for optimum fluoroscopic viewing.
- Advanced articulation makes monitors visible from all four sides.
- 700 CD/M² maximum brightness.

1k² High Resolution Imaging

- Twice the resolution.
- Four times the information.

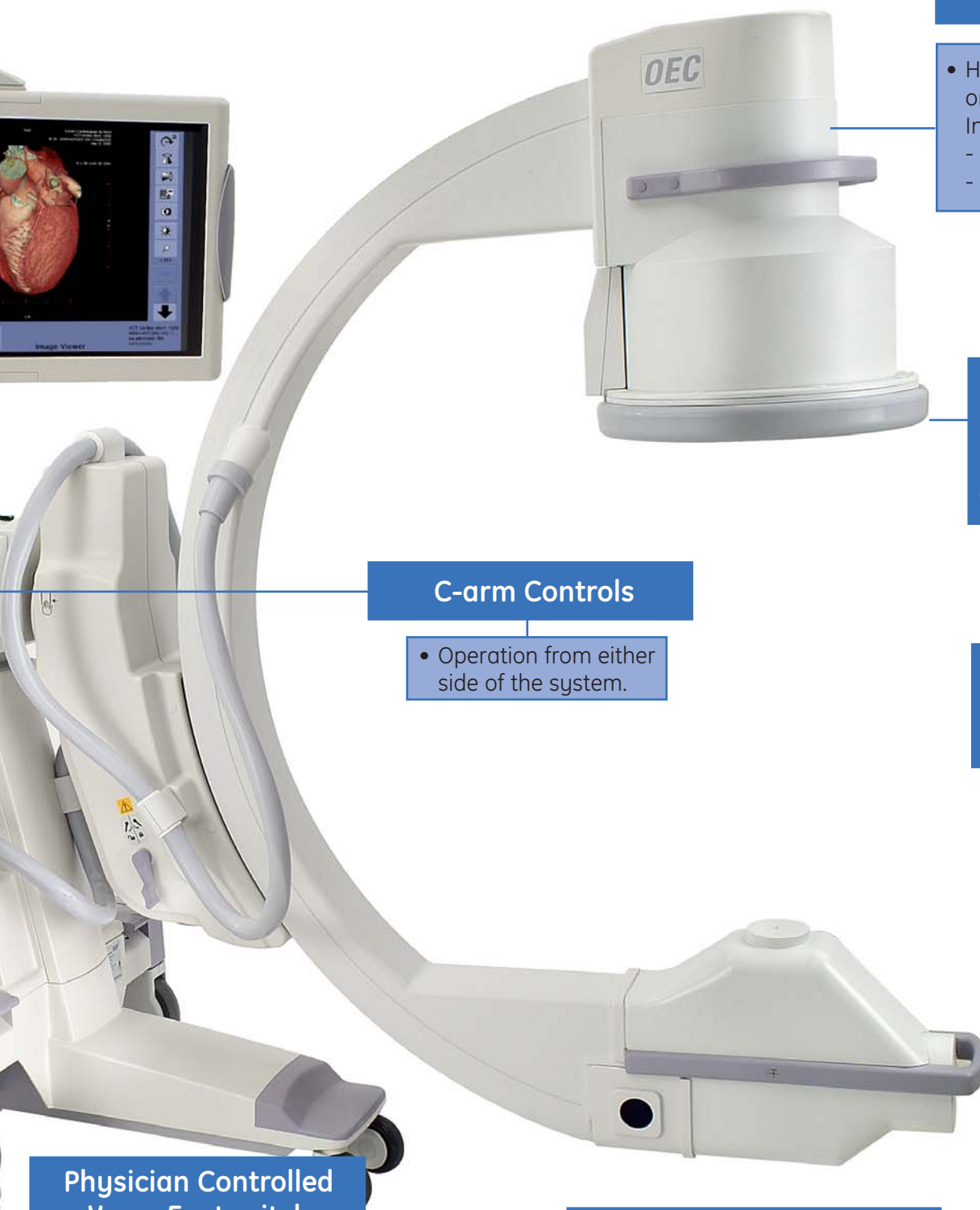
Easy Archiving & Documentation

- DICOM 3.0 internal interface with Query and Retrieve standard.*
- On-board DVD/CD Read and Write capability.
- On-board Paper or Hard Copy Film Option.



* Dicom options vary outside the United States.

r Difference



1k² High Resolution Imaging Chain

- High Resolution 9" (23 cm) or 12" (31 cm) Tri-Mode Intensifier.
 - 9", 6", 4.5" (23, 15, 11 cm)
 - 12", 9", 6" (31, 23, 15 cm)

Collision Detection Bumper for Patient Safety on MD configuration

C-arm Controls

- Operation from either side of the system.

15 kW Generator for Pulsed Cine Bolus Chasing

- 1, 2, 4, 8 pulse-per-second (pps) imaging modes for dose reductions.
- Generator is separated from the X-ray tube to provide maximum power without increasing X-ray tube housing heat, improving cooling efficiency.

Physician Controlled X-ray Footswitch & Handswitch

- Fluoro
- HLF High Level Fluoro
- Digital Spot
- Roadmap
- Digital Subtraction
- Low Dose Mode

High Power Rotating Anode X-ray Tube

- Higher heat capacity X-ray tube with cooling system for longer fluoro on times.

Premium 1k² High Resolution Imaging

Image I.Q.



Conventional Image

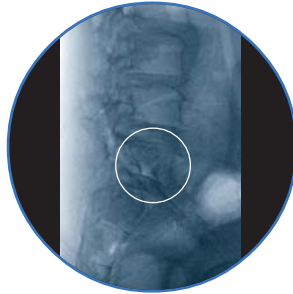
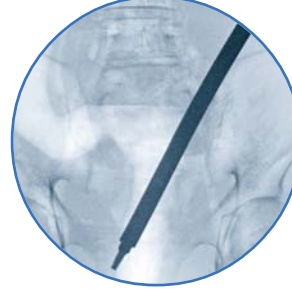


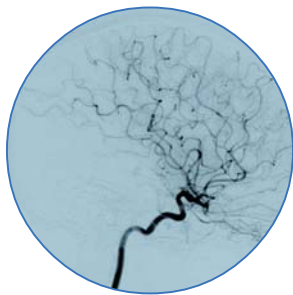
Image with Smart Window



Metal Introduced



Smart Metal Enabled



Digital Subtraction



Roadmapping



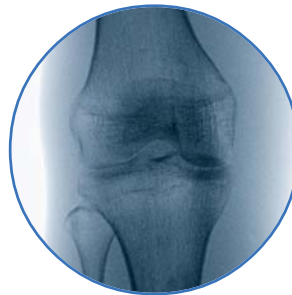
Iris Collimation



Dual-Leaf Collimation



Normal

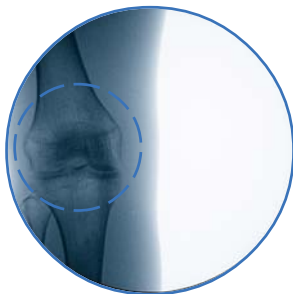


Digital Zoom



Realtime Edge Enhancement

AutoTrak



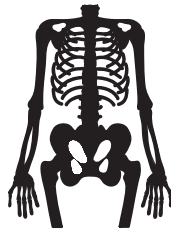
During live fluoro, invisible AutoTrak sampling window automatically moves with the anatomy, ensuring excellent images regardless of collimation or centering.

Precision Imaging...The DRM Advantage

Profile



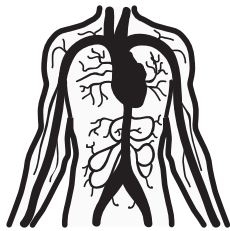
General



Orthopedic



Spine



Vascular

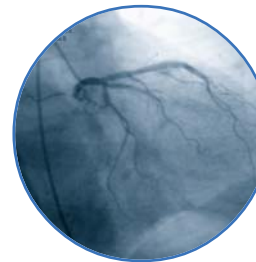
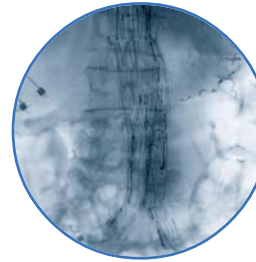


Bolus Chase

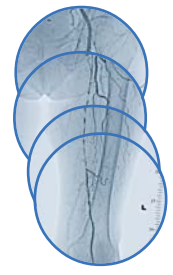
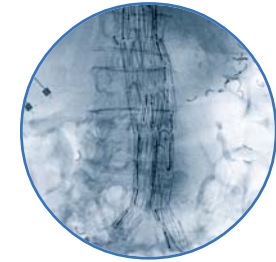


Cardiac

Conventional Image



OEC 9900 Elite Image



Making advanced image transfer easy

With its improved DICOM functionality and DVD/CD standard, the OEC 9900 Elite makes image transfer and recording simpler than ever.



Access and store images with DICOM. Search network or local cache using workload.



Retrieve multi-modality DICOM images in their native format direct to the workstation.

The OEC 9900 Elite's integrated DICOM* 3.0 interface connects easily to any hospital's network for advanced information management that helps you provide better, more timely patient care.

You can query your network's DICOM workload for patient information or search by date to retrieve prior imaging studies from other modalities right to the workstation in their native format. Send images from the workstation to your hospital's central archiving or PACS system or to any network printer.

The built-in DICOM viewer allows various image manipulations like adjusting contrast and brightness, zooming to areas of interest, or rotating and flipping retrieved images.





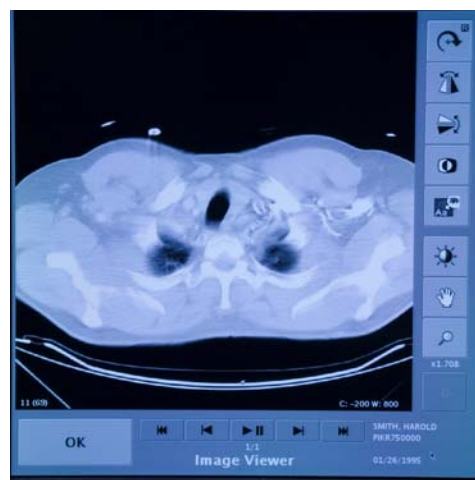
Puts on-board printing to Sony's film and paper printer at your fingertips.

Produce DVDs and CDs at a fraction of the cost of film, SVHS or DAT tape. From over 700 single images on a CD to over 5,000 single images or 2-1/2 minutes of streaming video on a DVD (based on typical image resolution in uncompressed image format) you can more efficiently manage your patient case information. A built-in DICOM viewer makes presentations of your images a snap.

An optional on-board film and paper printer provides hard copy documentation and laser-camera-quality images instantly – without darkroom film processing and expense.



Standard DVD/CD recording with built-in viewer and extensive storage capacity.



DICOM image viewer software enables manipulation of retrieved multi-modality images.

* Dicom options vary outside the United States.

Remote Service Connectivity ...Value of a Leader



Simple touchscreen menu makes remote access to service quick.

With GE's InSite2, higher system uptime is aided through remote assessment. The OEC 9900 Elite makes encrypted data connection easy and lets your engineer link to your system digitally to get you back up and running quickly. Actual log file transfer makes parts ordering faster and more accurate.

Clinical Training is included with every OEC 9900 Elite to help you get the most from your system. A GE clinical imaging specialist stays on site during your initial orientation and training, and our specialized in-service instruction provides CE credits for your staff.

Our unparalleled OEC Service offerings provide maximum return on your investment. It's the value added difference that sets us apart.

Your OEC 9900 Elite is supported by world-class GE Service support to ensure the ongoing quality and reliability you demand. Delivered by nearly 100% surgery focused service engineers, several levels of GE service and support ensure your system is ready when you need it—while still meeting your budget. We're so confident we're willing to back it with a 100% uptime guarantee.

Our QuantaCare customized full-service plans include unlimited labor and parts and rapid on-site engineering support. FlexiCare-PM preventive maintenance plans cover annual service inspections.



Connecting for remote service analytics is available through one easy connection.



* Service options may vary outside the United States.

A large blue geometric shape, resembling a stylized letter 'C' or a partial circle, is the background. It has a white circular area in the upper right and a white rectangular area in the lower right. The text 'CD Insert' is centered within the white circle, and 'Business Card Insert' is centered within the white rectangle.

CD Insert

Business Card Insert

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GE's OEC products carry the following safety approvals:



For more than 100 years, scientists and industry leaders have relied on General Electric for technology, services and productivity solutions. So no matter what challenges your healthcare system faces – you can always count on GE to help deliver the highest quality services and support. For details, please contact your GE Healthcare representative today.

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imagination at work