

GE Healthcare

# OEC Brivo Essential

Your essential partner in surgery.



Introducing the

# OEC Brivo Essential

For more than three decades, OEC has been committed to delivering high-quality, innovative advances in the mobile surgical imaging field, supporting successful surgeries throughout the world with easy-to-use technology. The affordability and mobility of new OEC C-arms are transforming surgery globally by increasing access to improved care through the expansion of minimally invasive surgery.

The GE Healthcare tradition continues with imaginative and intuitive developments in the OEC Brivo Essential. This C-arm has robust capabilities that work with you, efficiently removing the complexity of imaging and allowing the surgeon to focus on the patient.

The OEC Brivo Essential offers hallmark GE quality you can count on to capture the crisp images you need when you need them, time and time again. Its ease-of-use and dependability may make you wonder how you ever managed before the OEC Brivo Essential.



Discover the OEC C-arm advantage. . . . .

**Essential Clarity...** Easily obtain the clear images you need, sharply delivered through Essential Clear Intelligence imaging.

**Simplicity...** Free up your surgeons to focus on surgery and patient care with intuitive operation and automated processes.

**Dependability...** Feel confident with a robust mechanical design, dose management and data protection features.

# Essential Clarity.

OEC's Essential Clear Intelligence means you capture, create and display with superb image results. You can trust OEC's technology to accurately and efficiently deliver the essential clarity you vitally need, even at low dose.

Fast full-time Auto Brightness Stabilization (ABS) automatically adjusts kV/mA for optimal images



## Capture!

*With essential acquisition capabilities*

Powered through advanced engineering, this C-arm intelligently captures the images you critically need with detail, high contrast, and low distortion – even in low dose mode.

- 1k x 1k Fully digital camera offers high image quality.
- 16 bit image processing provides high differentiation of anatomy.

# Create!

## *With Eagle-Eye precise image features*

Brivo's features work for you with automated, smart image adjustments to create crisp images even in challenging situations. Like an eagle that can pinpoint moving and difficult-to-see objects, this system gives focus to difficult imaging situations.



### Intelligent Image Chain

The image chain intelligently works with you at every stage of surgery, adjusting ABS adaptively to produce an optimum image at the lowest reasonably achievable dose.

#### X-ray Generation

Get the right image at the right dose with fast full-time Auto Brightness Stabilization (ABS) for each acquisition mode.

Optimize


#### X-ray Detection

High ratio grid for clear contrast.

ABS

ABS





Brivo's Eagle-Eye automatically adjusts to create the crisp images you need.



Image without AutoTrak

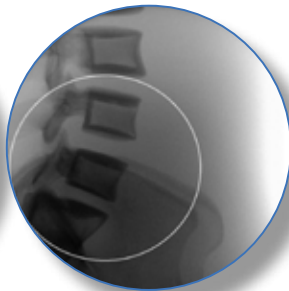
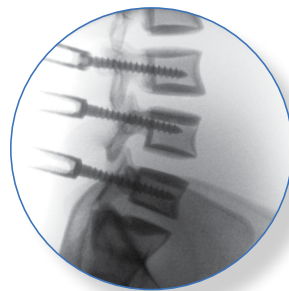
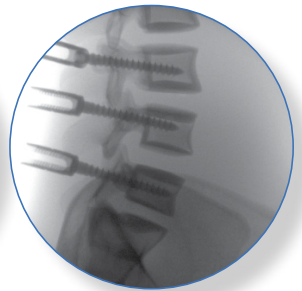


Image with AutoTrak

**New Smart AutoTrak** automatically locates regions of interest and adjusts the image when anatomy is not properly centered, which can lower dose by preventing re-imaging and adjusting ABS to create a sharp image.



Metal introduced



SmartMetal enabled

**Auto SmartMetal** borrows leading technology from proven OEC C-arms to automatically compensate for metal in the field.



Image without Auto Window



Image with Auto Window

**Auto Window** leverages collimator location to automatically increase brightness and improve IQ.

ABS

## Image Acquisition

Capture for high IQ and less noise and distortion with a 1k by 1k fully digital camera, variable gain and 16 bit image processing.

## Image Processing

Obtain a whole new level of intelligence-powered clarity with *Eagle-Eye* features.

## Image Display

Display clearly in bright operating rooms with a 19" mono LCD medical grade monitor that displays with sharp 900:1 contrast.

Next-level Display Technology

**Display!**

*With a dual LCD high-resolution monitor.*

The OEC Brivo Essential high quality monitor system displays images superbly, even in illuminated operating rooms.

The OEC Brivo Essential's LCD monitor makes it easier to differentiate soft tissue organs and anatomy in the image field. This aids in identifying tissue injuries around bone or stones in a gall bladder.



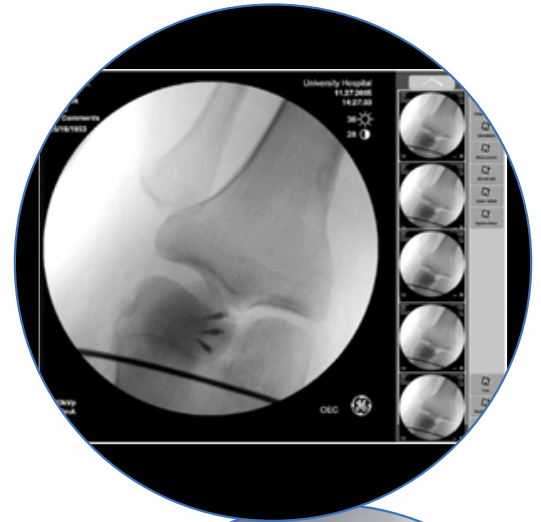
# Essential Simplicity.

The simple operation and automated technology of the OEC Brivo Essential work for you, freeing up your surgeons to focus on conducting surgery without large incisions. Important developments designed to enable you to work simply, maneuver with ease, and store and share data easily make the OEC Brivo Essential a versatile partner in your operating environment.

## Work Simply.

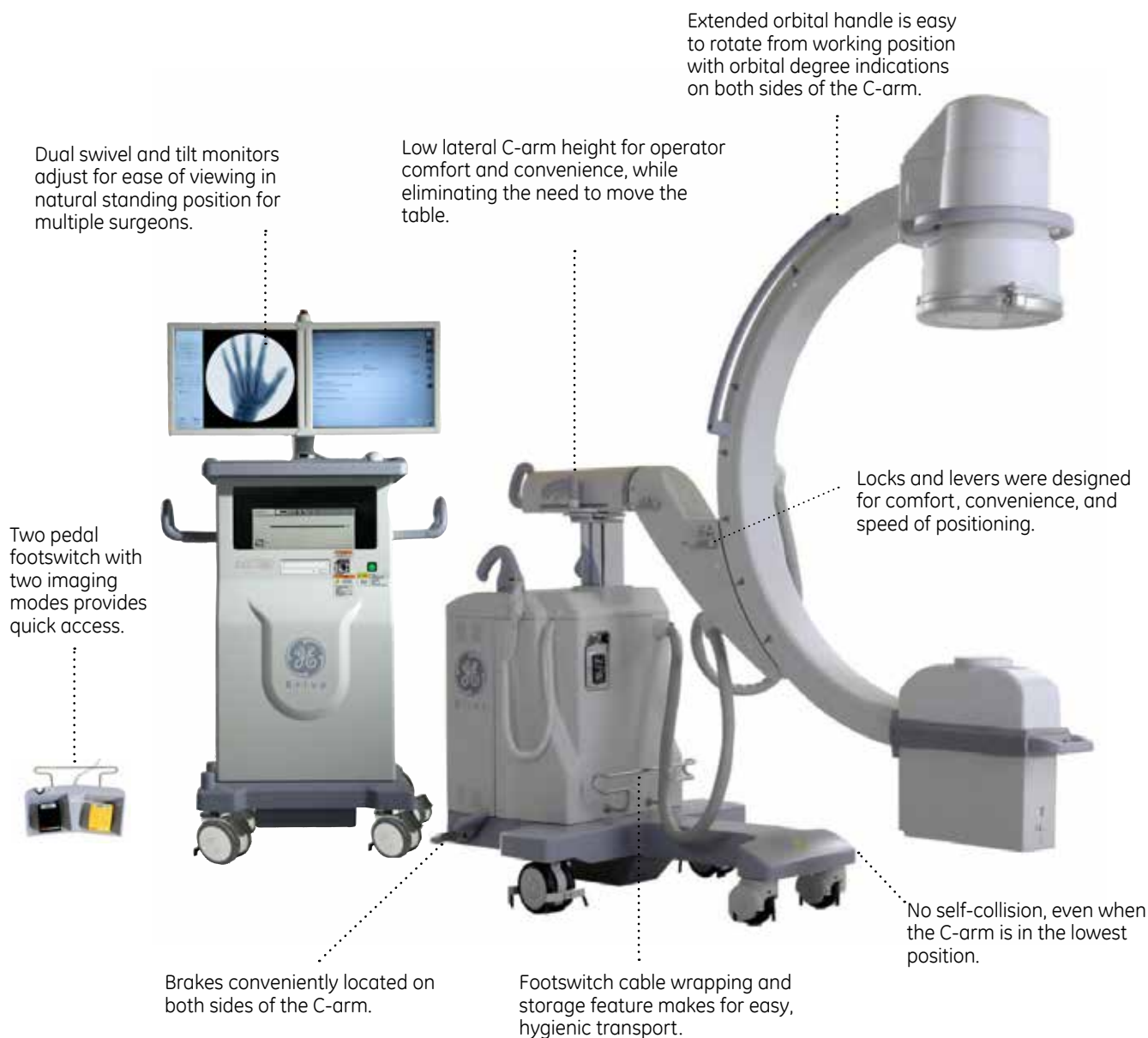
The OEC Brivo Essential's software and design can save you time and effort by putting the most-used functions at your fingertips. With simple features that yield powerful results, the OEC Brivo Essential reduces interference throughout the surgery, from boot-up to cleanup.

- Faster boot-up than Brivo predecessors can boost productivity.
- Emergency boot skips input and reference setting steps and lets you capture the first image within minutes of boot-up.
- Mini image directory displays images in one step.
- Real-time digital image rotation previews both live and saved images.
- Individually powered workstation allows you to view and output images without connecting to the C-arm mainframe.
- Instant access function buttons via screen and keyboard simplify image management.
- Point and shoot laser aimer promotes ease-of-use and further assists accuracy.
- Multiple save options ease data management.
- Membrane-covered keyboard speeds cleanup and helps you maintain a sterile environment.

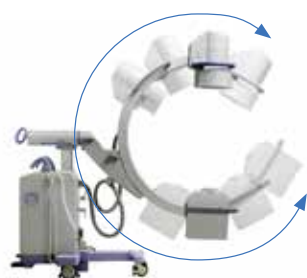
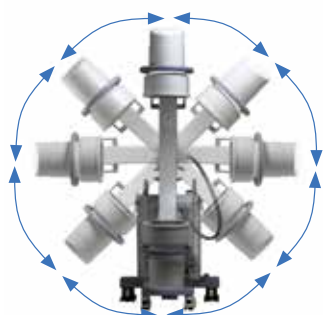


# Maneuver with Ease

Essential positioning and maneuverability features help make capturing a superb image the first time easy, while providing increased comfort for operators.



Extensive positioning capability is designed into the OEC Brivo Essential to help you easily capture the images you need quickly.







# Save and Share Data Easily.....

Save and share data easily with the OEC Brivo Essential's connection, integration, and data save features. These effective communication and storage features offer hospital-wide connectivity and fast transfer of data to improve your workflow.

- DICOM enables integration with scanners, servers, workstations, printers, and network hardware.
- CD, DVD, or USB save options.
- Internal static image storage handily backs up or archives up to 100,000 images.
- Thermal printer prints both paper and film.
- BMP, MPPS, and DICOM Q&R options available upon request.

# Essential Dependability.

Your surgical staff needs a C-arm that can be trusted to withstand the rigors of constant daily use and consistently deliver reliable results in real-time. OEC Brivo Essential's robust features and essential focus on quality provides the critical protection and peace-of-mind you need.

## Enjoy peace of mind.

The OEC Brivo Essential features a robust design backed by an industry leader with a world-class service and support organization. Worldwide, GE OEC is one of the most reliable C-arm brands available, so you can depend on an easy-to-operate system to deliver the right image when you need it.

## Feel protected.

OEC C-arms comply with strict GE, regulatory, and government standards.

- The system protects critical data with three levels of security: software safety, voltage compatibility, and an integrated UPS.
- The tube heat capacity indicator displays heat capacity during the procedures and helps to manage the exposure time.

## Be "Brilliant" with OEC

OEC's Brilliant radiation safety program is a commitment that OEC C-arms help you create the right image at the right dose. The OEC Brivo Essential has many features to help you be Brilliant.

- A premium tungsten collimator reduces scattered x-rays, resulting in lower dose.
- The real-time dose monitor and optional MPPS functions give you a dose summary you can see, save and print.
- Better positioning with a laser aimer and collimator can reduce the number of exposures, which could ultimately result in lower dose.
- Pediatric package uses a special, removable grid and additional filter with low dose mode to reduce dose up to 99.5% when using low dose 1 pps pulse mode.

Note: Low Dose Fluoroscopy can be used when reduced image quality at reduced dose still provides the appropriate diagnostic information. Pulse Fluoroscopy will result in significant dose reduction and possible reduction in motion blur. Images may be noisy/grainy, especially in dense anatomy.



The affordability and reliability of the OEC Brivo Essential can increase access to improved health globally by enabling minimally invasive surgery. This C-arm delivers superb image quality while protecting both patients and medical staff through intelligence-powered technology, easily controlled through simple functions. Capable, dependable, and portable, the OEC Brivo Essential is sure to become an essential part of your operating environment.



Clarity.  
Simplicity.  
Dependability.

The OEC Brivo Essential

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