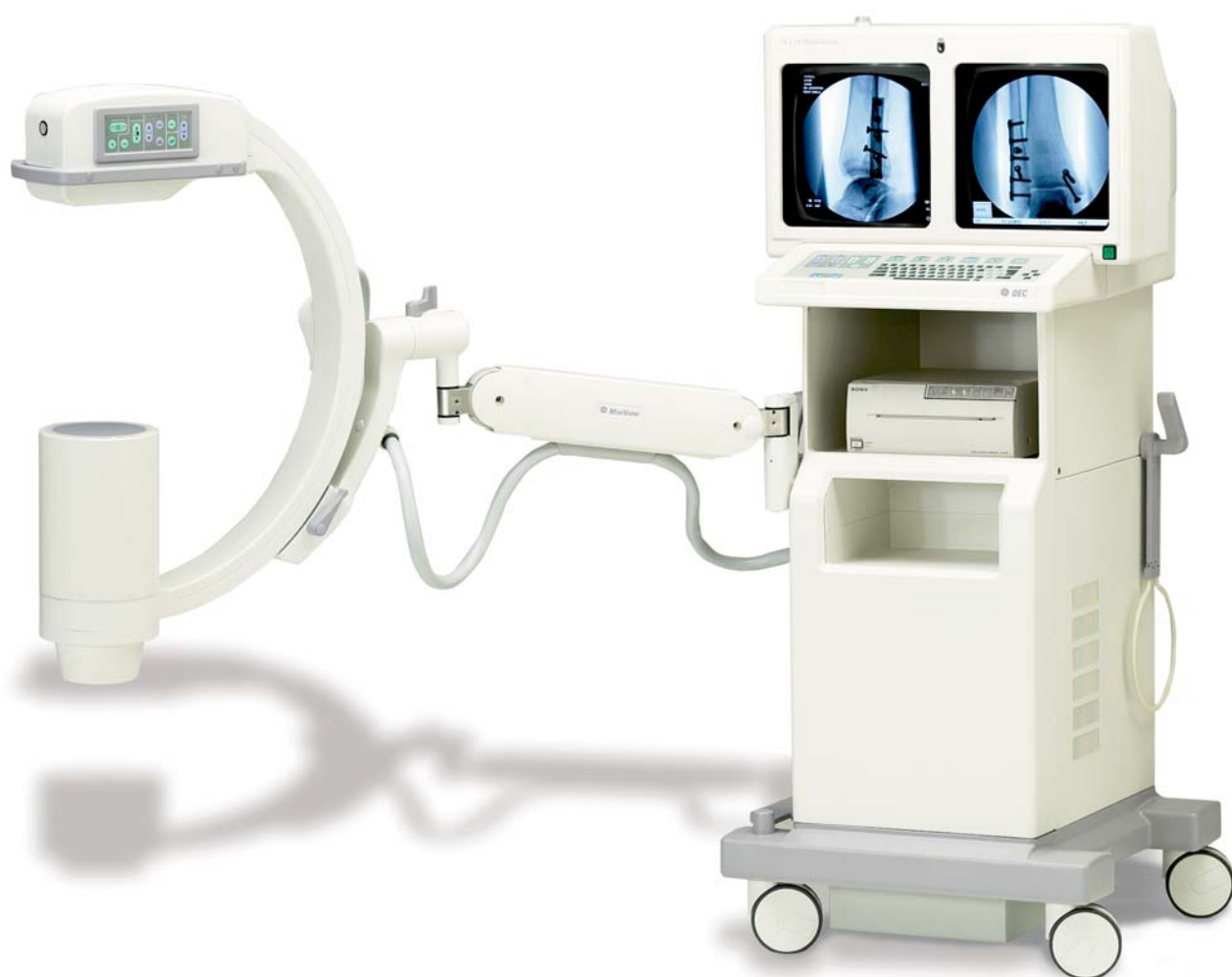


OEC® MiniView 6800

Digital Mobile C-arm for Extremity Imaging
Technical Data Specifications



OEC® MiniView 6800

Digital Mobile C-arm for Extremity Imaging

Technical Data Specifications

X-ray System

Generator

- Compact monoblock design
- High frequency

X-ray Tube

- Stationary anode
- 50 micron (0.04 mm) focal spot

Fluoroscopy

- kVp range: 40-80
- Microamp range: 20-160
- Auto technique control (ABS)
- Standard and Low Dose settings
- Manual technique control

Video Imaging System

Image Intensifier

- High resolution, high contrast conventional cesium iodide design
- Dual mode 4"/6" (10/15cm)

Video Camera

- High resolution CCD
- 768 x 494 pixels
- 625 lines/50 Hz
- 525 lines/60Hz
- On-screen orientation indicator (real-time feedback without fluoro)
- 360° Digital image rotation
- Left-right image reversal

Video Monitors

- Dual 16" (41 cm) square monitors -19" diagonal equivalent with full 10" (25 cm) image circle display
- Anti-glare, progressive full frame scan monitor
- Touch screen system control
- 1,000 line high resolution monitors
- Ambient room-light compensation
- Selectable left monitor image size (10", 9", 8" or 25, 23, 20 cm)

Image Processing

Clinical Platform (CP)

- 1k x 1k x 16 bit image processing
- Noise filter with on-screen indicator
- MANRS (real-time Motion Artifact and Noise Reduction System)
- Automatic digital brightness and contrast control
- Manual digital brightness and contrast control
- Negate mode
- Save and auto-save feature
- Swap and auto-swap feature
- Patient information
 - Customized patient information menu
 - DICOM worklist schedule (optional)
- Multi-purpose image directory
 - Retrieve and review images
 - Compose hardcopy films
 - Copy images
- X-ray dose summary
- Customize functions
 - Workstation set-up
 - Mainframe set-up
 - Patient information set-up
 - Date/time set-up
 - DICOM 3.0 interface set-up (optional)
- Last image hold
- 400 image storage
- Removable PC diskette image transfer and archive
 - 512 x 512 and 1k x 1k
 - BMP or OEC format
- Smart Metal

Hospital Platform (HP/15)

Includes all of the CP features plus adds:

- 800 image storage
- Zoom and roam function
- Image annotation
- Real-time variable edge enhancement

- Relative measurement software
 - Calibrate
 - Measurement width
- 15fps dynamic recording @ 60 Hz (12fps @ 50 Hz)
 - Recording playback rate 1, 2, 4, 8, 15 fps
 - Recording time: 10 min. @ 15 fps (time depends on record framerate)
 - Automatic cine loop playback capabilities for frame by frame review

Other Image Storage Options

- Removable digital disk
- DICOM 3.0 interface (storage class/print class/query work-list)
- Analog memory options
 - Integrated S-VHS VCR with playback

Hardcopy Options

- Thermal printers
- DICOM 3.0 Interface (storage class/print class/query work-list)

User Interface

- Bilateral X-ray tube mounted control panels provide easy access to the following keys from within the surgical field:
 - Camera rotate
 - Image reverse
 - Manual technique adjust
 - Auto technique
 - Manual brightness/contrast adjust
 - Auto brightness/contrast
 - Low dose mode
 - Alarm reset
 - Noise filter adjust
 - Mag mode select
- Dual fan beam laser localizer
- Touch screen control simplifies operation

- Dual-function footswitch controls
-Fluoro, Save and/or Print
- Simplified keyboard
- Entire system is computer controlled and software upgradeable
- Automated system operation requires minimum operator interface

Electrical

- Input power (60Hz or 50Hz)
 - 100V, 120V @ 6A
 - 200V, 220V, 230V, 240V @ 4A

Available Languages

- English
- German
- French
- Spanish
- Italian
- Portuguese (Brazilian)
- Chinese
- Japanese

Regulatory Compliance

- U.S. 21 CFR Subchapter J (FDA)
- U.S./NFPA 99
- U.S./NFPA 70 (NEC)
- U.S./UL 2601-1 (CSA NRTL)
- CAN/CSA C22.2 No. 601.1 (CSA)
- IEC 60601-1 with collateral and particular standards (VDE)
- MDD 93/42/EEC (CE)
- ISO 9001

Physical Specifications

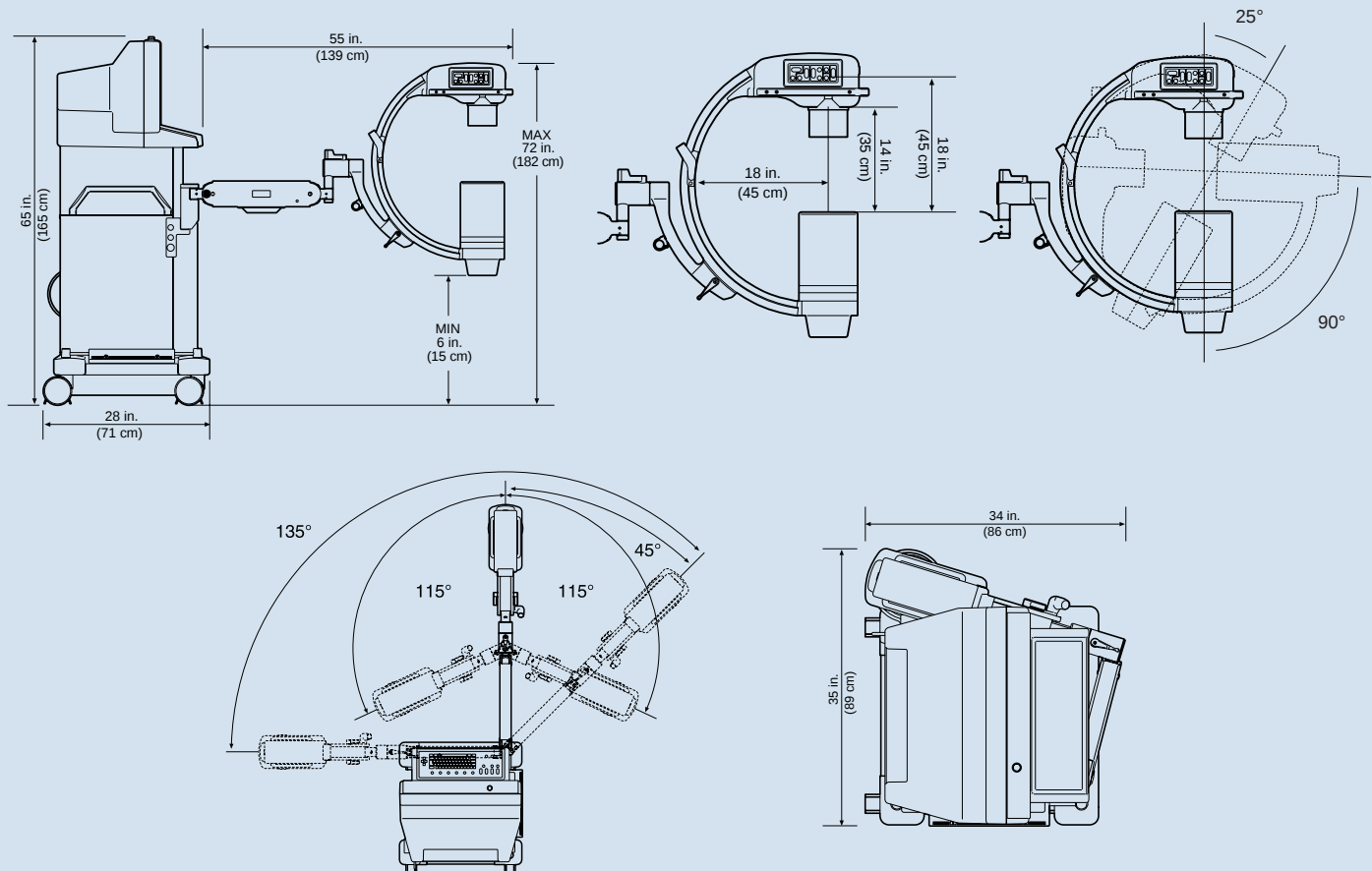
C-Arm

- Free space: 13.8" (35 cm)
9.8" (25 cm) with skin spacer
- Depth: 17.7" (45 cm)
- SID: 17.7" (45 cm)
- Orbital motion: 115°
- Rotation: $\pm 220^\circ$
- Wig-wag: 230°

- Vertical travel: 27" (70 cm)
 - Min. I.I. height 23" (58 cm)
 - Max. I.I. height 50" (127 cm)
- Extension: up to 53" (135 cm) from workstation to outer edge of I.I.

Workstation

- Height: 65" (165 cm)
- Width: 28" (71 cm)
- Depth: 28" (71 cm)
- Footprint: 5.4 sq. ft. (0.5m²)



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