

Fluoroscans® InSight-FD

Mini C-arm System

FLUOROSCAN®
InSight-FD

The Next Generation in Mini C-arm Imaging

The new Fluoroscans® InSight-FD mini C-arm system with flat detector technology offers thin profile and improved workspace access while providing ease of positioning for a more comfortable patient experience.

Designed specifically for orthopedic and other extremity surgeons, the new Fluoroscans InSight-FD features an exclusive rotating detector* and collimator to improve surgical area positioning, making it the perfect device for today's busy surgeon.

Its new ergonomic C-arm design and forward tube source offer unmatched arch depth for greater flexibility and the system's full 120 degrees range of motion, both forward and back, provides improved maneuverability and precision.



*Patent pending

Product Specifications

X-ray Source

Grounded Anode X-ray Tube
7.5 W High Frequency
Maximum Output: 0.1 mA @75 kVp
Focal Spot Size: 0.045 mm
Tube kVp Range: 40 to 75 kVp (max)
Beam Current: 0.020 to 0.100 mA

Image Receptor

CMOS Flat Detector
Dual Mode - Full and Limited
75 Micron Pixel Array
2k x 1.5k Resolution
- Full Field: 5.7" x 4.5" (14.5 x 11.5 cm)
- Limited Field: 4.4" Square (11 cm)
- Limited Field: Reduced Dose Mode

Detector Rotation*

Full +/- 90 Degree Rotation
Auto Tracking Collimation

Touch-Screen Monitor

HD 1600 x 1200 Display
20" LCD Flat Panel
Extendable with 350° Swivel
Digital DICOM Compliant

Monitor Image

16 bit Image Processing
1k x 1k

Power Failure Protection

Images Software Protected

X-ray Control Modes

Auto IQ Mode
Auto Mode
Manual Mode

C-arm

Depth: 20" (50.6 cm)
Free Space: 14" (36 cm)
Orbital Rotation: 120°
Horizontal Travel: 23°
Vertical Travel: 23" (58 cm)
Pivot Rotation: 380°
Panning Motion: 320°

Image Storage

Permanent Hard Drive:
8,000 Images Capacity

Removable Data Storage

USB Port
CD/DVD-RAM Drive

Operating System

Microsoft® Windows XP

Image Acquisition

30 Frames/sec (max)
Cine Video Recording

Imaging Modes

Snapshot - Single Shot
Continuous - Fluoroscopy
Digital Recorded Fluoro (Cine)
Frame Averaging:
- Ultra/Auto
- High/Med/ Low/ Off
- Selectable & Configurable

Radiation Report

DAP (Dose Area Product)
Paper Print and DICOM Send

Laser Alignment Light

On-off or 60 sec Timed
IEC Class 1C

Imaging Features

Automated Image Processing
Auto Real-Time Noise Reduction
Auto Edge Enhancement
Auto-Dose Control
Magnify-Zoom-Pan
Brightness/Contrast Control
Physician Preference Configurable

Footswitch Options

Wired Triple Function Footswitch
Wireless Triple Function Infrared
Configurable Save/Tag

Printer Option

Small Format Thermal Printer
Large B/W Hybrid Graphic Printer
Multi-format Prints

DICOM Option

Modality Worklist
Print
Store
Storage Commitment

Connectivity

Ethernet Wired
Wireless (Optional)

Dimensions

H: 66" (168 cm)
W: 28" (71 cm)
D: 32" (81 cm)

Space Allocation

5' x 6.6' (1.5 m x 2 m)
Door Size: 30" Minimum

Power Requirements

100, 120, 220, 240 VAC Selectable
50/60 Hz Input; 750 W (max)

**Patent pending*

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