

Extremity Imaging

Fluoroscanner[®] InSight[™] FD Mini C-Arm Imaging System

Meet the “flex” version Fluoroscanner InSight FD Mini C-arm system that offers **superior positioning, enhanced imaging and easy handling** to meet the demands of today’s extremity surgeons.

Building on Hologic’s tradition of innovation in imaging, the “flex” version now offers a High resolution setting for the users. There is also a Low Dose Rate Option that enables the user to reduce dose rate¹ while still providing clinically equivalent images.

The compact unit now features a redesigned monitor arm and rail for easy transportation and reduced OR workspace interference. The system also features several enhancements like the manual worklist entry feature, color coded buttons and auto save option, to make the interface intuitive.



Enhanced with



High Resolution Imaging Mode

Option to utilize full detector resolution



Low Dose Rate Mode

Option to reduce dose rates by over 50% compared to auto mode, while still providing clinically equivalent images



Compact

Redesigned Monitor Arm and integrated keyboard

Product Specifications



X-ray Specifications

| | |
|-----------------------|--|
| X-Ray Source | Grounded tungsten anode x-ray tube 7.5 W high frequency |
| Focal Spot Size | 0.045 mm |
| Tube kVp Range | 40 to 75 kVp |
| Tube Current Range | 0.020 to 0.100 mA |
| Maximum Output | 0.1 mA @75 kVp |
| Laser Alignment Light | 60 second timed on or full-time on IEC Class 1C |

Image Receptor

| | |
|---------------------|---|
| Flat Plate Detector | CsI High sensitivity CMOS |
| Detector Rotation | Full 180° rotation (+/- 90°) Auto tracking collimation |
| Array | 75 micron pixel |
| Resolution | 2 k x 1.5 k |
| Field of View | Full field - 5.7 in. x 4.5 in. (14.5 cm x 11.4 cm) Limited field - 4.4 in. x 4.4 in. (11.2 cm x 11.2 cm) |

Control Modes

| X-Ray | |
|---|--|
| Auto IQ | Enhanced image quality compared to Auto |
| High Resolution | High Resolution mode |
| Low Dose Rate | Low Dose Rate mode |
| Auto | Standard imaging mode |
| Manual | User override mode |
| Image Acquisition & Storage | |
| Standard Image | 30 fps (frames per second) |
| Cine Video Recording | 30 fps (frames per second) |
| High Resolution | 15 fps (frames per second) |
| Low Dose | 15 fps (frames per second) |
| Storage | Solid State Hard Drive (SSD) 10,000 Total images/500 per case |
| Imaging Modes | |
| Snapshot | Auto terminated single shot |
| Continuous | Fluoroscopy |
| Cine | Digital recorded fluoroscopy |
| Noise Suppression Options | |
| Ultra/Auto/High/Med/Low/Off | Selectable & configurable |
| Imaging Features | |
| Automated image processing | |
| Auto real-time noise reduction, edge enhancement and dose control | |
| Magnify-zoom-pan | |
| Brightness/contrast control | |
| Physician preference configurable | |
| Easy zoom in feature | |
| Image rotation capability | |

Power Requirements

| | |
|--------------------------|-----------------------------------|
| Input Line Voltage | 100, 120, 220, 240 VAC selectable |
| AC Input Frequency | 50/60 Hz |
| Power | 750 watt (max) |
| Power Failure Protection | Images software protected |

Display

| | |
|--------------------------------------|---|
| Widescreen Multi-touch Color Monitor | Hi-Bright, PCAP touchscreen Hi-Definition 1920 x 1200 Digital DICOM compliant |
| Size | 24 in. (61 cm) |
| Swing Mounting and Height Adjustment | Adjustable with 350° swivel |
| Viewing Angle | 178° |
| Primary "Live" Image | Standard view: 10 in. x 8 in. (25 cm x 21 cm) MegaView™ Image: 12 in. x 10 in. (31 cm x 25 cm) |

Structured Dose Report

| |
|--|
| Total Dose Area Product (DAP) (cGy*cm ²) and Air Kerma (mGy) |
| Total exposure time (min:sec) and longest single exposure (min:sec) |
| Total images acquired and images saved |
| DICOM send and/or paper print options |

Software/Connectivity

| | |
|------------------------|--|
| Operating System | Windows 7 Professional |
| Connectivity | Ethernet wired Wireless (optional) Video DisplayPort |
| DICOM Options | Store — with annotation Print, modality worklist and storage commitment Pre-entry of patient information |
| Removable Data Storage | USB Port & CD/DVD-RAM Drive Export file formats: JPEG, TIFF, DICOM, Fluoriscan or native |

System Measurements

| Base System | |
|-------------------|-------------------------------------|
| Foot Print | 28 in. x 32 in. (71.1 cm x 81.3 cm) |
| Door Clearance | 32 in. (81.2 cm) minimum |
| C-Arm | |
| Depth | 20 in. (50.8 cm) |
| Free Space | 13.5 in. (34.3 cm) |
| Orbital Rotation | 120° |
| Horizontal Travel | 23° |
| Vertical Travel | 23 in. (58.4 cm) |
| Pivot Rotation | 380° |
| Panning Motion | 320° |

Options/Accessories

| Footswitch Options | |
|----------------------|---|
| Wired | Triple-function |
| Wireless | RF communication |
| Pedal Configuration | Save and/or reference tag |
| Button Configuration | MegaView™ Image/print or print |
| Printer Options | |
| Standard Format | Sony Thermal Printer UP-898MD or equivalent |
| Large Format | Sony Hybrid Graphic Printer UP-991AD Multi-print formats available or equivalent |

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