

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 imaging¹ 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 rate² 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 Option

Option to utilize full detector resolution

Low Dose Option

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

¹Compared to earlier generation InSight FD systems

²Internal test report, data on file. Hologic 2017

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. Radiation Dose Structured Report

Software/Connectivity

Operating System	Windows 10 Professional
Connectivity	Ethernet wired Optional: Wireless; FIPS 140-2 WIFI Video Display Port
DICOM Options	Store — with annotation Print, modality worklist and storage commitment Pre-entry of patient information
Removable Data Storage	USB Port & CD/DVD-R/W 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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