



ORTHO SCAN
IMAGING EXCELLENCE



ORTHO SCAN FD-OR

Flat Detector Technology with Over-Rotation



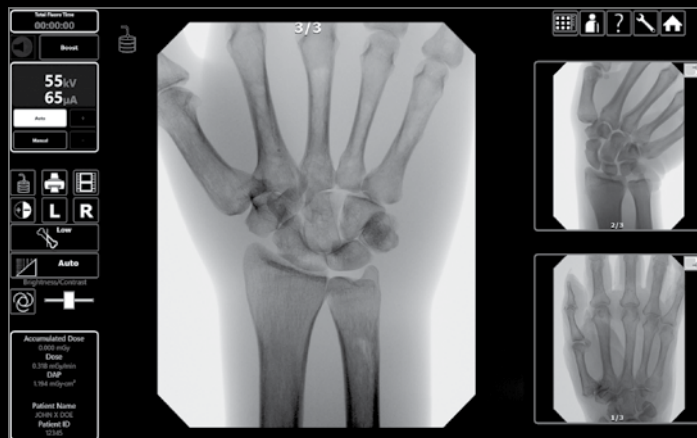
AFFORDABLE FLAT DETECTOR IMAGING

Advanced Touchscreen Interface

The advanced OrthoTouch™ user interface allows seamless operation of system controls while still allowing for keyboard functions. OrthoTouch™ provides a familiar experience — similar to a smartphone or tablet — that enhances interaction while viewing detailed anatomy.

24" High Resolution Monitor

With FD-OR, the 24" high resolution diagnostic widescreen monitor* allows for a 20% larger viewing area. The 1920 x 1200 resolution provides exceptional image quality showing fine details of relevant anatomy and a wider viewing angle for increased visibility.



* DIN 6868-157 compliant



Thinnest Flat Detector

The FD-OR utilizes the thinnest flat detector housing on the market, allowing the user to place the detector directly on the operating surface and leave the c-arm in the field to reduce OR time and decrease sterility risks. The compact form factor allows for additional maneuverability during cases and improves workflow.

Flat Detector Technology

Flat detectors provide increased image quality, improved reliability, and more efficient imaging compared to older image intensifiers. The flat detector's more direct signal conversion path results in uniform image brightness and less geometric distortion. The solid state detector provides more reliability, no image degradation due to vacuum leaks, and reads more of the individual x-rays, providing a better image quality for a given dose.

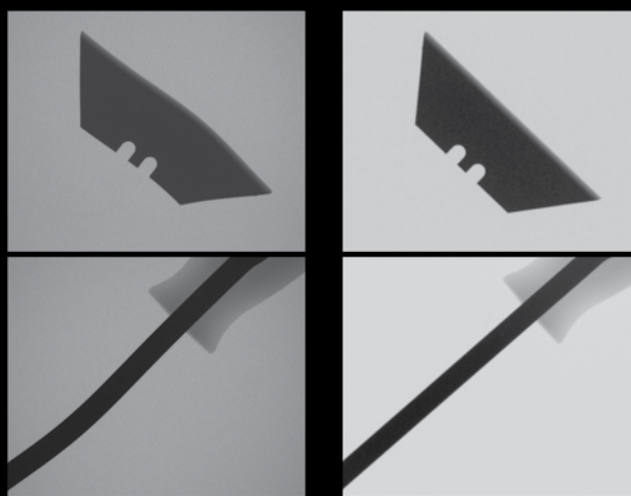


IMAGE INTENSIFIER

FLAT DETECTOR

FOR THE SURGICAL ENVIRONMENT

Over-Rotation

The OrthoScan mini c-arm design allows for an orbital rotation of 150°. This enables the user to take advantage of the larger field of view without making mechanical adjustments required by competitive equipment. The increased orbital movement enables preferred views without stressing anatomy.



Surgical LED Lights

Located on the bottom of the tube head, these surgical lights provide additional illumination on the anatomy and eliminate shadows cast from the C.

Bilateral Sterile Field Controls

Conveniently located on each side of the tube head assembly, bilateral controls provide easy access to imaging and documentation in the sterile field.

Small & Lightweight

The FD-OR mini c-arm is both lighter and smaller than competitive equipment. User-driven design allows optimal positioning and transport with minimal effort. The smaller size facilitates ease of movement that improves maneuverability.



SPECIFICATIONS

Detector

Detector Resolution	2 k x 1.5 k
Detector Size	15.0 cm x 12.0 cm
Useful Array	15.0 cm x 12.0 cm
Pixel Spacing	75 microns
Dose Rate	AKR, DAP

X-Ray Monoblock

Focal Spot	42.5 microns
kV Range	40 – 78 kVp
mA Range	0.04 – 0.160 mA

Documentation

Wireless Communication	Capable
DICOM 3.0 Compliant	Yes
MPPS	Capable
Image Capacity	25,000
Video Capacity	15 min
Cine Loop Export	Yes
EMR Connectivity	Capable
USB 2.0 Ports	Yes
Printer Options	2

C-Arm

Free Space	13.8"
Arc Depth	19"
Pivot	430°
Lateral Rotate (Wig-Wag)	320°
Orbital Rotate	150°
Vertical Range	34"
Distance to Cabinet	max 68"
Distance to Wheel Base	max 45"

Imaging

Surgical LED Lights	Yes
Sterile Field Controls	Bilateral
Start Up Time	60 sec
Temporary Image Hold	512 images
Cine Loop Frame Rate	30 fps
Snapshot Capabilities	Yes
Edge Enhancement	Yes
Post Process Brightness/Contrast	Yes
Adaptive Noise Suppression	Automatic
Manual Noise Suppression	4 Modes
Laser Alignment	Yes
Multifunction Wireless Foot Switch	Yes

Display

Monitor	24" LCD
Primary "Live" Image	12.0" x 9.5"
Dual Reference Images	5" x 4"
Built-in DICOM Calibration	Yes
Extendible Monitor Arm	Yes – 27"
Left/Right Arm Swivel & Rotation	216° + 370° + 200°
Height Adjustable Arm	Yes
Monitor Handles	Yes
Video Output	Yes
Monitor Brightness	600 cd/m ²
Touchscreen	Capable

Software

Operating System	Windows 8.1 Embedded
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Dimensions

Weight	400 lb
Height	44.5"
Footprint (W x L)	28" x 33"



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