OrthoScan
IMAGING EXCELLENCE

ORTHOSCAN MOBILE DI

Digital Diagnostic Imaging and Fluoroscopy

Exceptional Image Quality

The OrthoScan Mobile DI with flat detector is the new standard in mini c-arm imaging. Fine details of relevant anatomy are visible due to the increased gray scale and contrast capability of flat detector technology. The OrthoScan Mobile DI reduces the distortion inherent with image intensifier technology, improving diagnostic accuracy.

Portable and Lightweight

The portability of OrthoScan Mobile DI offers ease of movement between satellite clinics, urgent care centers, emergency departments, athletic team venues, and military units. Weighing approximately 35 pounds, OrthoScan Mobile DI introduces versatility to orthopaedic imaging.

Imaging Flexibility

OrthoScan Mobile DI provides easy access to shoulder images as well as weight-bearing knee and foot views. Mobile DI can be placed on a table top or mounted on the accessory cart enabling Mobile DI to move easily between rooms. The accessory cart also provides orbital c-arm rotation needed for shoulder and knee views. Mobile DI offers an optional custom case with wheels for easy transport between facilities.

User Interface

OrthoScan Mobile DI has a simple interface that allows the user to perform basic imaging with little, if any, preparation. The custom keyboard allows single key access to most functions. Mobile DI images can be viewed on monitor or tablet interfaces. The images can be transferred wirelessly.

BENEFITS OF MOBILE DI IN THE OFFICE

Secondary Imaging Source

- Reduces patient wait times

Fluoroscopy Expands Diagnostic Capability

- Closed reductions under fluoroscopy
- Fluoroscopic guided injections
- Shallow pin removals
- Arthrography

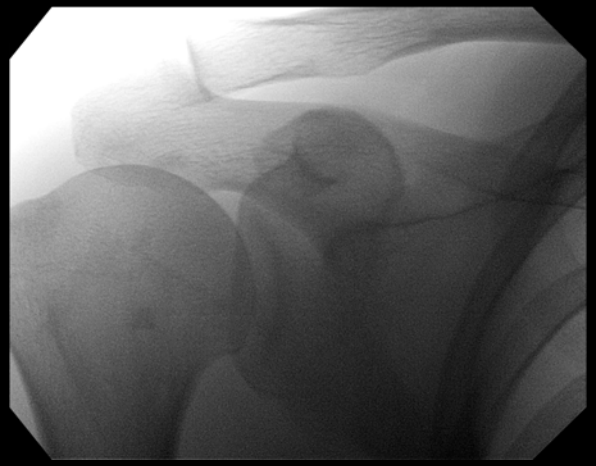
Potential Revenue Source

- Established CPT codes
- Digital x-ray & fluoroscopy

Patient Benefits

- Patients enjoy viewing images in real-time
- Bring imaging to immobile patients

POSITIONING GUIDE: OPTIMAL IMAGING



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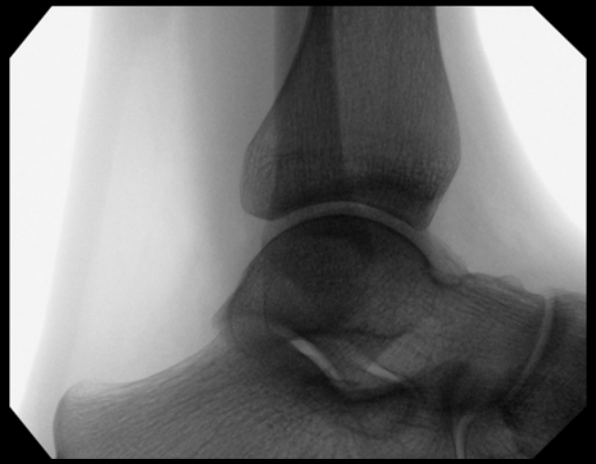
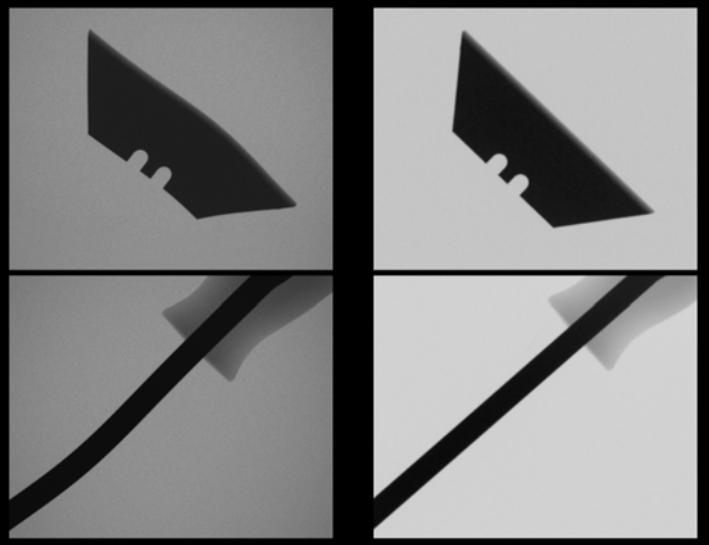


Flat Detector Technology

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.



EMR
IMAGE LINK

Connectivity

- DICOM included
- EMR option
- USB capable for still images & fluoroscopy
  - JPG or DICOM formats
- DVR motion capture & export included
- Wireless connectivity
  - Remote printer
  - DICOM/EMR

QUESTIONS & ANSWERS

Radiation protection and regulations

- No lead-lined walls are required
- Operator/patients are advised to wear a 0.25mm lead apron
- Operator is required to wear a dosimetry badge (landauer.com)
- Device must be registered with the state (average fee $100)

Who may operate the OrthoScan unit?

- It is the responsibility of the owner to ensure that the system is operated only by properly trained, qualified personnel. The level of qualification varies from state to state.

Do I need to wear lead?

- The requirement to wear personal protective equipment such as lead aprons, dosimetry badges, etc is governed by individual states and may vary from state to state. Consult your state and/or facility radiation safety officer.

MOBILE DI PRICING

Purchase

Mobile DI: $61,000

- Accessory cart
- Keyboard
- Foot or hand switch
- One of the following viewing options
  - Accessory cart monitor
  - Desktop monitor
  - Tablet*

Leasing

$1 Buyout: $1,187.06†

Fair Market Value: $1,108.98†

** Tablet access for image viewing is not approved by the FDA for primary diagnostic interpretation.*
† Based on Umpqua Bank rates: 5-year term and price of $61,000.

CLINICAL REIMBURSEMENT

The following list is an example of CPT® codes commonly used when performing fluoroscopy procedures. Reimbursement amounts are rounded estimates provided for reference only.*

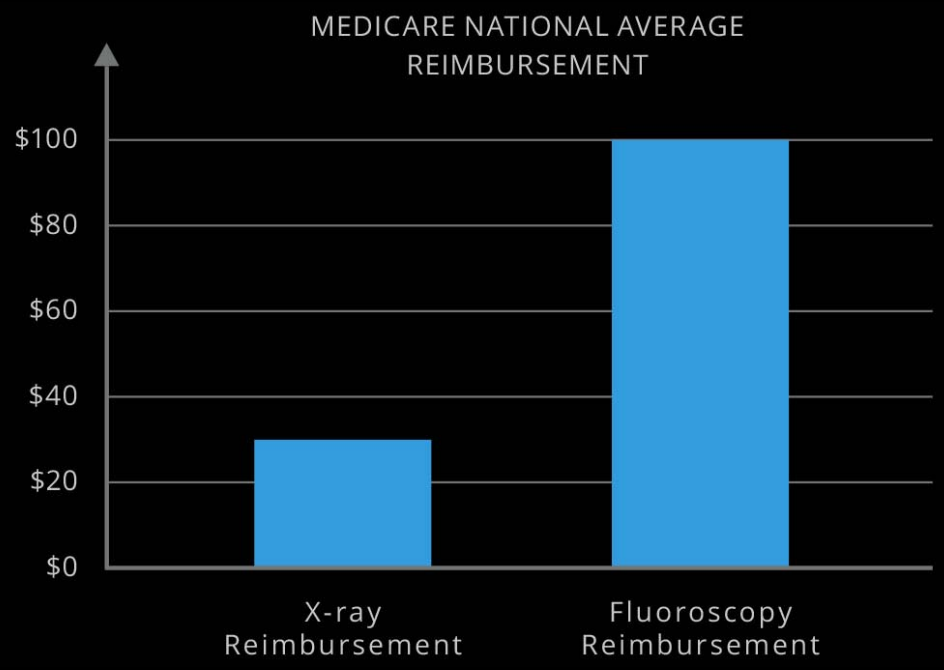
CPT© CODE	DESCRIPTION	MEDICARE NTL AVG
X-ray	Average X-ray	$30
76000	Fluoroscopy, up to one hour	$48
77002	Fluoroscopic needle guidance	$94
77071	Stress view	$49
73030	Shoulder, radiologic examination	$29
73110	Wrist, radiologic examination	$35
73130	Hand, radiologic examination	$31
73140	Fingers, radiologic examination	$32
73564	Knee, radiologic examination	$40
73610	Ankle, radiologic examination	$32
73630	Foot, radiologic examination	$29
73660	Toes, radiologic examination	$28

** Reimbursement amounts are rounded 2016 Medicare national averages and do not represent actual reimbursement in your area.*

QUESTIONS & ANSWERS

What will be my return on investment?

- Established reimbursement codes
- This would largely depend on the number of extremity images taken at your facility.
- Please use the financial analysis at www.orthoscan.com to calculate your estimated return on investment.*



** Financial analysis is based on fluoroscopy codes. Standard x-ray codes could also be calculated.*

SPECIFICATIONS

Display

20.1” Non-Surgical Monitor	Optional
Non-Diagnostic Tablet	Optional
Video Output	Yes

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	50 microns
kV Range	40 – 78kVp
mA Range	0.04 – 0.160mA

Imaging

Weight-Bearing Foot Bench	Optional
Field Controls	Single
Start Up Time	30 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
Wired Hand or Foot Switch	Capable

Software

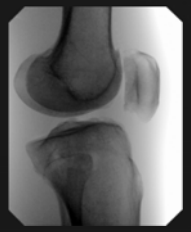
Operating System	Windows 7 Embedded

SPECIFICATIONS

Documentation	
Wireless Communication	Capable
DICOM 3.0 Compliant	Yes
MPPS	Capable
Image Capacity	12,000
Video Capacity	90 min
Cine Loop Export	Yes
EMR Image Link	Capable
USB 2.0 Ports	2
Printer Options	2

Dimensions	
Free Space	13.8″
Mobile DI Weight	35 lb
Mobile DI Height	25″
Mobile DI Footprint (W x L)	12″ x 19″
Accessory Cart Weight	96 lb
Accessory Cart Height	66″
Accessory Cart Footprint (W x L)	24″ x 39″





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ORTHOSCAN & ZIEHM IMAGING TEAM UP

Global Partners in C-Arm Imaging

OrthoScan and Ziehm Imaging have started a new level of cooperation, representing the best in technology and customer focus in the global market for x-ray based intraoperative imaging devices.

Aligning both companies' vision and efforts provides an even better solution for all surgical imaging needs. Ziehm Imaging and OrthoScan each continue to operate in their fields of expertise, jointly serving our customers' needs around the globe.