

U-ARM X-RAY SYSTEMS



iMU-ARM



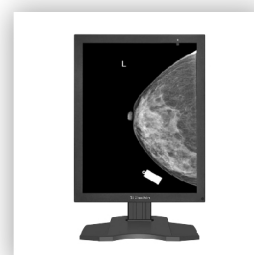
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iMU-ARM SERIES

DIGITAL U-ARM X-RAY SYSTEM MOTORIZED MOVEMENTS

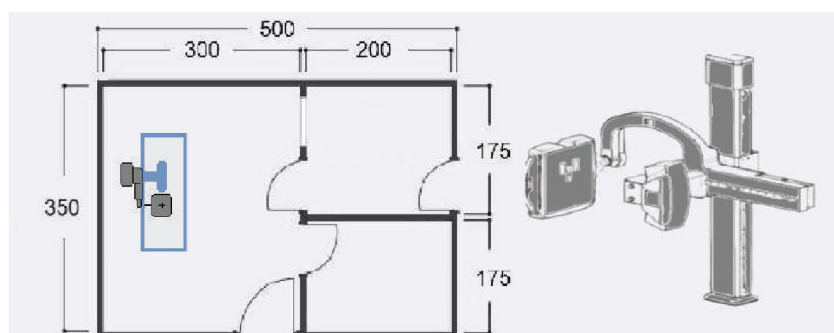


Configuration of the system

	iMU325	iMU500	iMU550	iMU650
Hige Frequency X-Ray Generator				
X-Ray Tube	Canon 7239 (1.0/2.0mm),40-125KV, Rotating Anode		Canon 7239 (1.0/2.0mm),40-125KV, Rotating Anode	
17"x17" Flat Panel Detector	139u/ Csi FPD	139u/ Csi FPD	139u/ Csi FPD	139u/ Csi FPD
Standard Configuration	LED Collimator, SID control touch screen, motorized motion ,mobile movable table, PC & monitor, Acquisition Software			
X-Ray Grid Ratio 1:10 103 L/inch	Yes	Yes	Yes	Yes
10 inch Touch Screen Console	Yes	Yes	Yes	Yes
Transparent Mobile Movable X-Ray Table	Yes	Yes	Yes	Yes
Electric Motorized Motion	Yes	Yes	Yes	Yes
AEC	Optional	Optional	Optional	Optional
Dry Film Printer	Optional	Optional	Optional	Optional
Medical Grade Monitor	Optional	Optional	Optional	Optional
PACS Software	Optional	Optional	Optional	Optional

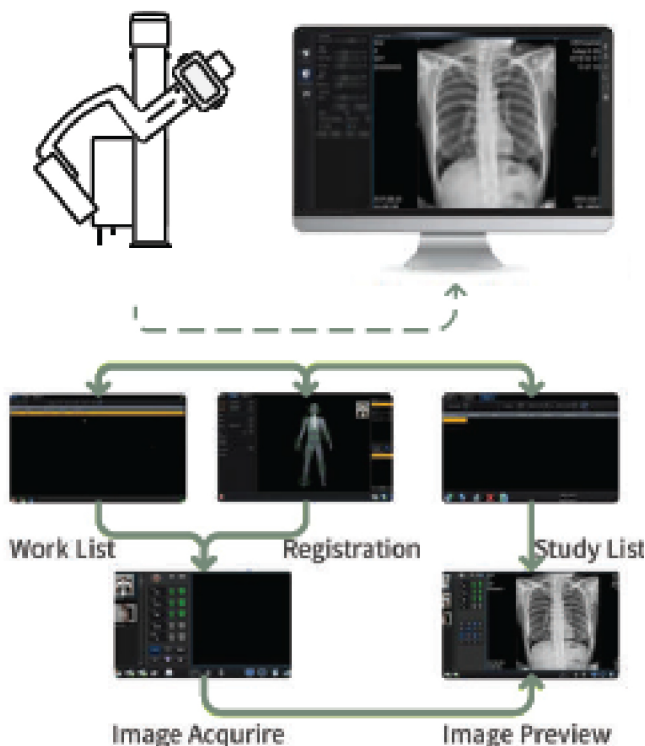


Recommended Installation Room Layout



DR SOFTWARE

Multi-lanaguage Software:CN/EN/FR/PT/RU/ES/IT/SV



Patient Case Management

- Management of patient information, examination information, and images
- DICOM3.0 standard Worklist query service function can query and download case information from HIS/PACS

Image Processing

- Positive & negative film conversion, image zooming, translation, flipping, rotation, and magnifying glass display
- Original display/full screen display/histogram display, window width & level adjustment of the target zone can be selected
- Image annotation function, including orientation and text
- Real time automatic ROI cropping

Image output

- DICOM3.0 standard laser/thermal printer output allows for easy selection of configured solutions (film size, layout) to do printing
- DICOM3.0 standard archiving service function can archive images to the server and support automatic sending in the background
- Image backup function, backup images burned to CD/DVD, the backup disc comes with a browser to automatically play images
- Image export can export patient examinations to a specified location

Image stitching function

- Manual Stitching/ Image left-right automatic stitching/ Image up-down automatic stitching



STANDARD

Keyboard Console for Condition Setting & Exposure Cover all Patient type and All Body Position



CONSOLE

A smooth anatomical program for storing and selecting factors



X-RAY TUBE CONSOLE

Characteristic:
7-inch touch screen allows for fast and simple patient positioning and controlling tube direction movement in table, chest or oblique positioning
Button control (movements)

- U Arm Rotation
- U-Arm SID movement
- U Arm up and down movment

CLINICAL END USER DR IMAGE

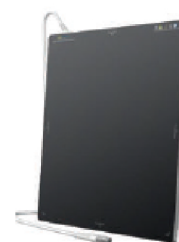


Specifications of the X-Ray system

Generator	iMU325	iMU500	iMU550	iMU650
Max. Output	20KW	36KW	40KW	50KW
mA Range	25-300mA	25-500mA	25-500mA	25-630mA
KV Range	40-125KV	40-125KV	40-150KV	40-150KV
mAs Range	0.4-400 mAs	0.4-500 mAs	0.4-500 mAs	0.4-550 mAs
Power Supply	1ph 220v	1ph 220v , 2 ph 380v	3 ph 380v "optional 1ph 220"	3 ph 380v "optional 1ph 220"
Exposure Time	0.02-5 Sec	0.02-5 Sec	0.02-5 Sec	0.02-5 Sec
No. of APR	240	240	240	240
Option	AEC	AEC	AEC	AEC

X-ray Tube	iMU325	iMU500	iMU550	iMU650
Focal Spot	2.0/1.0mm	36KW	40KW	50KW
Anode Type	Rotating Anode	Rotating Anode	Rotating Anode	Rotating Anode
Anode Heat Capacity	150kHU	150kHU	150kHU/300KHU optional	150kHU/300KHU optional
Target Angle	12°	12°	12°	12°
Voltage Range	40-125KV	40-125KV	40-150KV	40-150KV
Permanent Filtration	0.9mmAL	0.9mmAL	1.3mmAL	1.3mmAL
Tube Model	Canon 7239	Canon 7239	Canon 7843 optional 7884	Canon 7843 optional 7884

X-ray Tube	iMU325	iMU500	iMU550	iMU650
Power Supply	24V AC/DC 50/60 Hz			
Max. Kvp Shield	150 Kv			
View Range	Min: 2x2			
Inherent Filtration	Max: 43x43			
Lamp Luminosity	≥180 lux			
Lamp Time	30 Sec			
Field Size Control	Manual			
Light Type	LED / Laser Pointer optional			



Specifications of the digital system

Flat panel detector	Wired 17" x17" FPD
Detector Technology	Amorphous Silicon
Scintillator	CSi
Active Area(mm2)	427×427
Pixel Matrix	3072×3072
Pixel Pitch(um)	139
Spatial Resolution(lp/mm)	3.6
AD Conversion(bit)	16
Data Transmission	AED/Software/Prep
Trigger Mode	GigE
Preview Image Time(S)	3
Full Image Time(S)	5
Dimensions(mm)	460×460×15
Weight(KG)	4
Battery Autonomy Time(hour)	/
WIFI	/

PC & monitor	iMU325	iMU500	iMU550	iMU650
RAM	8GB			
System	Winows10 English			
CPU Model	Intel i5			
Core Qty	4			
CPU Speed	3.7GHz			
Display Screen Size	23.8inch			
Display Resolution	1920*1080dpi			
Hard Disk Capacity	1TB			
Keyboard	Wired Type *1pcs			
Mouse	Wired Type *1pcs			

Specifications of the system

U ARM Mechanical Specifications

U Arm Column height	2200mm	-
U Arm Movement up and down	400mm -1700mm	Motorized
U Arm Rotation range	-30° to 120°	Motorized
U-Arm Lateral distance from the ground	≥650 mm	-
U-Arm Lifting stroke	≥1150 mm	-
U-Arm SID range	1000mm -1800mm	Motorized
U Arm Bukey rotation range	-45° to +45°	Manual
Mobile Table surface size	2000mm * 700mm	
Table height	670mm	
Acrylic transparent maximum patient weight	180 Kg	



Manual Movement



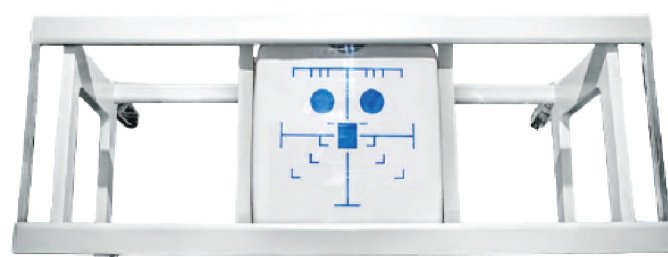
Motorized Movement



Motorized Movement



Motorized Movement



MOBILE TRANSPARENT TABLE X-RAY



CONTACT US



H. Rifat Pasa Yüzer Havuz Sk. Perpa Ticaret Merkez B Blok Kat:13
No:2552 34384 SiSli /İstanbul Türkiye



Tel/Fax: +971 43337118
Sales-Team: +971 58 582 4100
Technical Support-Team: +971 58 546 4100



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