GUARDIAN

FIXED TABLE X-RAY



GUARDIAN SERIES

FIXED TABLE X-RAY

DIGITAL RADIOGRAPHY SYSTEM

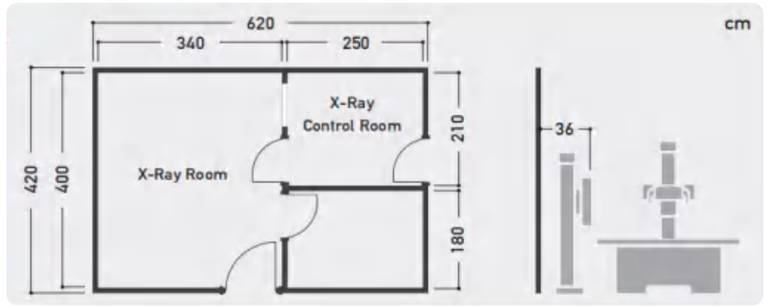





Configuration of the system

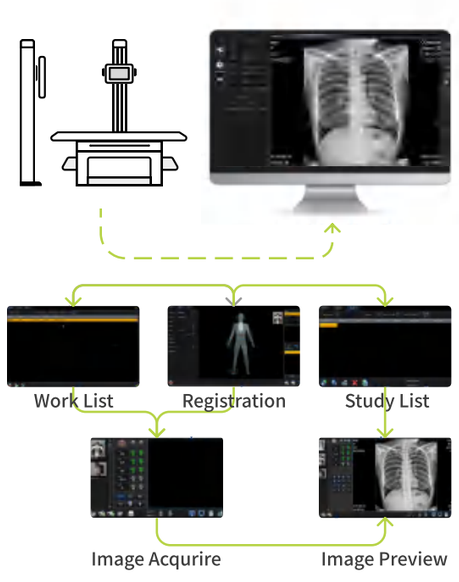
Components	ACM-DR320 with wired FPD	ACM-DR320 with wireless FPD	ACM-DR500 with wired FPD	ACM-DR500 with wireless FPD
H.V Generator	32KW Max Output,10-400mA		50KW Max Output,10-630mA	
X-ray Tube	Dual Focus(0.6/1.2mm),40-125KV, Rotating Anode		Dual Focus(0.6/1.2mm),40-150KV, Rotating Anode	
17"×17" Flat Panel Detector	Single / Dual as options	1PCS	Single / Dual as options	1PCS
X-ray tube synchronous movement with chest bucky function	Yes		Yes	
Standard Configuration	Collimator, SID control touch screen, Tube stand, Electric Chest Bucky stand, Fixed Electric-Magnetic 4 way Floating table, PC & monitor, Acquisition Software			
Grid for bucky table / stand	Optional	Optional	Optional	Optional
10inch Touch Screen Console	Optional	Optional	Optional	Optional
AEC	Optional	Optional	Optional	Optional
Electric Elevating Table	Optional	Optional	Optional	Optional
Collimator synchronous movement with table bucky function	Optional	Optional	Optional	Optional
Mobile Radiography Table	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

Muli-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

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Analogic Console



15.6' Touch Screen PC Console for for Analogic System H.V Generator Condition Setting & Exposure

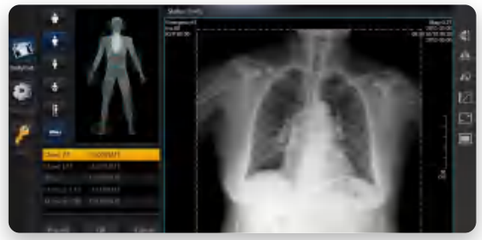


Digital Console



23.8' High Resolution Monitor DR Image Workstation Embeded H.V Generator Software Console into DR Software





X-ray tube Assembly Monoblock



Characteristic

- 7'' Touch Screen of SID setting &control / tube Assembly synchronous movement with chest bucky
- Button control
  - Tube-stand lateral movement
  - Tube Assembly Longitudinal movement
  - Remote Control Chest Bucky Up-down Movement
  - One Button tube Assembly synchronous movement with chest bucky





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Specifications of the system

Generator	ACM-DR320	ACM-DR500
Max. Output	32KW	50KW
mA range	10-400mA	10-630mA
kV range	40-125kV	40-150kV
mAs range	0.1-160mAs	0.1-630mAs
Power supply	220VAC 50/60Hz	380VAC 3phase 50/60Hz
Exposure time	0.001-10s	0.001-10s
No. of APR	540	540
Option	AEC	AEC

X-ray Tube	ACM-DR320	ACM-DR500
Focal spot	0.6/1.2mm	0.6/1.2mm
Anode type	Rotating Anode	Rotating Anode
Anode heat capacity	300kHU	300kHU
Target angle	12°	12°
Voltage range	40-125kV	40-150kV
Permanent filtration	1.0mmAL	1.0mmAL

Collimator	ACM-DR320/ACM-DR500
Power supply	24V AC/DC 50/60Hz
Max. kVp shield	150kV
View Range	Min: 2 × 2 Max: 43 × 43
Inherent filtration	
Lamp luminosity	⩾ 180 lux
Lamp time	30sec
Field size control	Manual







Specifications of the system

Flat panel detector	Wired 17"×17" FPD	Wireless 17"×17" FPD
Detector Technology	Amorphous Silicon	Amorphous Silicon
Scintillator	Csi	Csi
Active Area(mm2)	427×427	427×427
Pixel Matrix	3072×3072	3072×3072
Pixel Pitch(um)	139	139
Spatial Resolution(lp/mm)	3.6	3.6
AD Conversion(bit)	16	16
Data Transmission	GigE	GigE
Trigger Mode	AED/Software/Prep	AED/Software/Prep
Preview Image Time(S)	3	3
Full Image Time(S)	5	5
Dimensions(mm)	460×460×15	460×460×15
Weight(KG)	4	4.6
Battery Autonomy Time(hour)	/	8
WIFI	/	2.4G and 5G, IEEE802.11 a/b/g/n/ac

PC & monitor	ACM-DR320/ACM-DR500
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	512GB SSD
Keyboard	Wired Type *1pcs
Mouse	Wired Type *1pcs







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Specifications of the system

Tube Stand	
Vertical travel distance	1500mm
Transverse travel distance	1700mm
Min. Tube height (from floor)	300mm
Max. Tube height (from floor)	1800mm
Column rotation	Standard Fixed(±90°Roation optional)
Tube rotation	±90°
Tube SID Range	400-1100mm
Tube Mononblock Screen	7'' touch screen
Tube Mononblock Screen display info	Set SID/ Real-time SID
Power supply	Single Phase 220V AC



Chest Bucky Stand	
Physical Height	1700mm
Vertical travel distance	1500mm
Min. Bucky height (from floor)	200mm
Max. Bucky height (from floor)	1700mm
Focus Distance SID	400-1900mm
Biggest FPD Size	17* 17 inch
Control Way	Manual/Electric for options
Chest Bucky Synchronous motion with X-Ray Tube	Yes



Fixed Radiography table	
Table top size	2000*700mm
Table top height	680mm
Table Top Motion Control	Electromagnet control with brake
Table Top Longitudinal Travel distance	250mm
Table Top Transverse travel distance	700mm
Bucky travel distance	650mm
Max. patient weight	135kg
Power supply	DC24V
Table Top Elevating Up-Down	Optional



Types of system



Single Detector (17"×17")

Electric Bucky Stand
⊕Tube Stand system

Configuration

- Electric Bucky Stand,
- Tube stand(floor mounted)
- Generator
- PC&Monitor
- Acquire software
- Flat Panel Detector
- Collimator



Single Detector/Dual Detector(17"×17")

Electric Bucky Stand
⊕ Tube Stand
⊕ Mobile Radiography Table

Configuration

- Electric Bucky Stand
- Tube stand(floor mounted)
- Mobile Radiography Table
- Generator
- PC&Monitor
- Acquire software
- Flat Panel Detector
- Collimator



Single Detector/Dual Detector(17"×17")

Electric Bucky Stand
⊕ Tube Stand
⊕ Fixed Bucky Table(4 way)

Configuration

- Electric Bucky Stand
- Tube stand (floor mounted)
- Fixed Radiography Table(4 way floating)
- Generator
- PC&Monitor
- Acquire software
- Flat Panel Detector
- Collimator