ESRX-MOB32

Mobile X-ray System
**X-ray High voltage generator**

Standard output power: 32kW  
mA range: 10-400mA  
Tube voltage range: 40-150kV  
mAs range: 0.1-160mAs  
Load time range: 0.001s ~ 6.3s  
High voltage output master frequency: 50kHz±5%  
High voltage transformer structure: The power frequency

**X-ray tube**

Focus range: 0.6/1.2mm  
Anode heat capacity: 150kHu  
Anode types: rotating anode, maximum speed: 2800 revolutions per minute  
Pipe sleeve heat capacity: 1250kHu  
The maximum voltage: 150kV  
The anode input maximum power: Big focus: 40kW, Small focus: 20kW  
Anode angle 12.5°  
The inherent filtration: 1.0mm Al/75kV

**Collimator**

The inherent filtration: 1.0 mm Al /75 kV  
Collimator is equipped with LED lights (Bright 30s are automatically extinguished)  
Collimator is built into measuring ruler

**The tube bracket structure**

X-ray tube support way: Folding arm  
Tube focus distance to the ground: 507mm ~ 2000mm, ±5%  
Arms Folding Range: ± 60°  
Tube Tilting Angle: ± 90°  
Tube Vertical Rotation Angle: -30° ~ +90°  
Collimator axial rotation : ± 360°
Detector
WIFI connection, Amorphous Silicon, whole panel technology
Detector valid exposure size: 350 × 430mm
Pixel size: 150 µm
The effective camera size of the detector: 14 × 17 inch
Gathering matrix: 2304 × 2800 pixels
Spatial resolution: 3.4 lp/mm
Pixel gray level: 14 bit
Detector cooling mode: natural cooling

Digital image workstation

CPU frequency: CORE i3
Memory capacity: 4GB
Hard drive capacity: 500 GB
Display size: 17 inch LCD touch screen
Display screen Maximum resolution: 1280 × 1024
64 bit Windows operation system

Image acquisition software

Patient registration: acquisition, find the patient data, to prepare for the photography
Radio graphic examination: setting system parameters, exposure photography and get the image
Images display, image analysis, processing and output
Data management: managing patient data, leading in, leading out, batch file, etc in accordance with DICOM3.0
Configure calibration: the system components such as flat-panel detector, such as tube for automatic configuration and calibration
System diagnosis: monitoring system status, diagnosis of the system fault
Image Printing: Image Output to Film Printer

Battery

Power supply way
Lithium battery power supply
The rated capacity: 46.8V, 10.8Ah (Lithium battery meets UN38.3 standard)
Battery capacity: More than 500 exposures, chest image dosage (exposure conditions: 120 kv, 100 mA, 20ms)
Dual power supply, exposure under either wall current or lithium battery
Maximum charging 4 hours
Can support hand switch and remote control
The machine parameters

Appearance size: 1560 mm x 650 mm x 1490 mm
Whole weight (no detector): 220kg

External interface
Display interface (DVI)
Wireless network data transmission (WIFI)
Cable network interface
n.2 USB

Options

Chest rack
Moving flat bed

After sale service

The machine warranty 1 year
1 set of complete operation and maintenance manual

copyright certificate

DR service control application software
Mobile DR embedded system software
Mobile DR generator control software