






ORICH Medical Equipment (Tianjin) Co.,LTD.

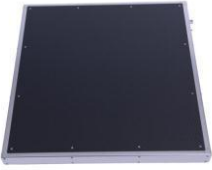



No.16 Cuiming Road, YAT-SEN Scientific Industrial Park, TEDA, Tianjin, China 301726

Technical data of X-ray direct digital radiography system

Item No: FS-500DDR

Standard Configuration

No	Photo	Item	Technology Parameter
1		Generator	Output Power: 50 kW
			High frequency output: $\geq 400\text{kHz}$
			KV _p : 40-150kVp
			mA Range: 10-630mA
			Exposure Timer Range: 0.001-6.3s
			mAs Range: 0.1mAs-630mAs
			Anatomical Programs (APR): ≥ 768
			Options: AEC, DAP
			Input Phase/Voltage: 3Phase, AC380V $\pm 10\%$, 50/60Hz
2		X-ray tube	Nominal focal spot value: 0.6mm (small focus) / 1.2mm (large focus)
			Rotation speed (min^{-1}): 2700rpm@50Hz, 3200rpm@60Hz
			Maximum tube voltage: 150kV
			Maximum filament current: 370mA (small focus) / 760mA (large focus)
			Anode Heat Content: 150kHU (111KJ)
			Max rating (0.1s) (kw): 20/46kW@50Hz, 22/50kW@60Hz
3		Ceiling Tube Mount	Vertical telescope travel range: 1450mm \pm 20mm (motor-driven)
			Transverse travel range: >1800mm (Manual)
			Longitudinal travel range: >1800mm (motor-driven)
			Tube rotation range, horizontal axis: $\pm 90^\circ$, (motor-driven)
			Tube rotation range, vertical axis: 90° , (Manual)
		Bucky chest stand	Film cassette travel, vertical: $\pm 1150\text{mm} \pm 30\text{mm}$
			Rotation of bucky: $+90^\circ \sim -15^\circ$
			Minimum vertical distance from center of bucky to the ground: 460 \pm 20mm
			Grid: N=40Lp/cm, r=10:1, Size=18" *18" f=150cm

4		Flat panel Detector	<p>Active Area: 430 (H) * 439 (V) mm, (16.9" * 17.3")</p> <p>Pixel matrix: 3008 (H) * 3072 (V)</p> <p>Pixel Pitch: 143µm</p> <p>A/D Conversion: 14 bit</p> <p>Limiting Resolution: 3.7 LP/mm typ.</p> <p>Cycle Time: Shot to Shot 6 sec</p> <p>Image Capture Time: less than 1 sec</p> <p>X-ray Conversion Layer: Cesium Iodide (CsI) with Amorphous Silicon (a-Si) Photodiode</p>
5		Image acquisition workstation	<p>System: Windows 7</p> <p>Image acquisition software: Clear Vision 1.0</p> <p>CPU: ≥2.0G core 2</p> <p>Monitor: 19" LCD, resolution: 1280 * 1024 (1M), brightness: 300cd/cm²</p> <p>Optical driver: DVD +/-RW</p> <p>Image processing functions: window width and position adjustment, image reversal, Positive and negative reversal, image processing, output</p>
		Image post processing workstation	<p>System: Windows 7</p> <p>Image acquisition software: Clear Vision 1.0</p> <p>CPU: ≥2.0G core 2</p> <p>Monitor: 19" LCD, resolution: 1280 * 1024 (1M), brightness: 300cd/cm²</p> <p>Optical driver: DVD +/-RW</p> <p>Image capture function: Case and image management, automatic storage, the detector calibration tissue equalization processing module</p>
			Supporting the DICOM3.0 output
6		Movable table	<p>Standard table top size: L2000mm * W700mm</p> <p>Table height:710mm</p> <p>Feet wheel: 4, with lock</p>
7		Collimator	<p>Control method: Manual</p> <p>Maximum X-ray field coverage range: 43cm * 43 cm</p> <p>The average brightness of the light field:> 150lux</p> <p>Input power: 24V AC, 10A</p>
Photo showing			

