



ORICH Medical Equipment (Tianjin) Co.,LTD.

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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: 400kHz KV _p : 40-150kVp mA Range:10-630mA Exposurer Timer Range: 0.001-6.3s mAs Range : 0.1mAs-630mAs Anatomical Programs (APR): 768 Options: AEC, DAP High voltage cable:75kv, 12 meters Input Phase/Voltage: 3 Phase, AC380V±10%, 50/60Hz±1Hz
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
3		U-C arm	Stand height: 2200mm Swivel arm travel, up and down: 400mm to 1700mm Minimum vertical distance from center of cross arm to the ground: 425mm Tube travel, longitudinal: 800mm Rotation of tube: +/- 180° Rotation of receptor: +/-45° Rotation of swivel arm: -30°- +90°- +135° SID: Minimum: 1000mm, Maximum: 1800mm
4		Flat panel Detector	Active Area: 430 (H) * 439 (V) mm, (16.9" * 17.3") Pixel matrix: 3008 (H) * 3072 (V) Pixel Pitch: 143µm A/D Conversion: 14 bit Limiting Resolution: 3.7 LP/mm typ. Cycle Time: Shot to Shot 6 sec Image Capture Time: less than 1 sec X-ray Conversion Layer: Cesium Iodide (CsI) with Amorphous Silicon (a-Si) Photodiode



5	 	Image software and image processing	Medical monitor: 19" LCD, resolution: 1280 * 1024 (1M)	
			Image processing	Automatic or manual window position and window width adjustment, ROI window position and window width adjustment
				Image turnover, circumgyrate
				Image continuous enlarged, automatic or manual image cut
			Image data manage	Rich label function
				Image adopt various of Inquire way (name, time, ID etc)
			Patient's information register	
			User individuation design: set the interface and toolbar as you want	
			Supporting the DICOM3.0 output.	
			Host computer	System: Windows 7
CPU: Intel Core 2				
Hard drive: 500GB				
Internal storage: 2 G				
VGA Card: High efficiency speedup card				
Optical driver: DVD +/-RW				

Photo showing

