






Technical data of X-ray direct digital radiography system

Item No: FS-500DDR-II

Standard Configuration

No	Photo	Item	Technology Parameter		Description
1		Generator	Item no: CMP200 VZW2556RB2-FB+AEC interface		<ul style="list-style-type: none"> ● High frequency, ensures the perfect image. ● Concise and friendly operation interface, which is convenient for use and accurately displays real-time working status. ● There are hundreds of APR, even new operator can select out accurate exposure conditions and catch perfect image easily. ● 150kV high voltage, can match short time exposure and meet instantaneous radiographic requirements of each part. AEC function for you to select, all kinds of exposure conditions can be adjusted automatically, which makes to finish daily work in carefree mood. ● Integral design idea, the efficiency is high, energy consumption is low and safeguard is considerate.
			Inversion frequency: $\geq 400\text{kHz}$		
			Radiography: 40-150kVp		
			Radiography: 10-630mA		
			Exposure time: 0.001-6.3s		
			Voltage: 3 phase, 380V		
			Power: 50kW		
2		X-ray tube	Supplier: Toshiba Item no: E7843X		<ul style="list-style-type: none"> ● High kV, small focus, meet all kinds of radiographic requirements and make film more excellent. ● Ultra-long service life and very high reliability.
			Focus: 0.6/1.2mm		
			Max tube voltage: 150kV		
			Max tube current: 760mA		
			Power: 20/46kW		
			Heat capacity: 150KHU		
3		Hanger	Ceiling suspend system	Vertical move range: 1450mm \pm 20mm, motor Transversal move range: >1800mm, manual longitudinal move range: >1800mm, motor Tube rotate range(orientated vertical axle): 90°(manual) ; Tube rotate range(orientated horizontal axle): $\pm 90^\circ$ (motor)	<ul style="list-style-type: none"> ● Hanger device major used in sternite photography, plain film photography, stretcher photography and other kinds photography system. It occupies small area, convenient use, it can meet different kinds of photographic. ● It uses inner balance way and uses the modularized computer control, it can make the product be manipulated with a strong performance, it can follow tracks and take the photography of sternite location and level location, it takes much to reduce doctor's working strength.
		Bucky stand	Bucky vertical move range: $\pm 1150 \pm 30\text{mm}$		
			Bucky rotation range: $+90^\circ \sim -15^\circ$		
			Distance from Bucky center to ground: $460 \pm 20\text{mm}$		





4		Flat panel Detector (Toshiba)	Vision: 17"X17"(43cm X43cm)		● Ultra-thin and high-resolution caesium iodide detector. ● Adoption of supersensitive sensitizing module can catch image at low dose, which protect the health of patient and operator. ● Modularization design apt to maintenance. ● Multi-sensor imaging unit can display high-resolution image, even when display of computer is enlarged, details of image can also be displayed enough clearly. automatic repair and calibration technology of self equipped sensor has ensured healthy operation.	
			Pixel matrix: 3008 X 3072			
			Pixel size: 143μm			
			Gray-scale: 14 bit			
			spatial resolution: 3.5LP/mm			
			Imaging time: 5s			
			Weight: 17kg			
5		Image system	Image processing	Compare adjustment, enlarged show, measure can be done with mouse easily.	● Intelligent digital image collection and treatment system and possesses excellent human-machine interface, all items of operations are of surveyability, high speed image transmission. ● The system has equipped with strong-function filtering software package and tissue proportional software to provide high-quality image. at the same time, unique image optimization technique(MSE) can separate image according to frequency domain, separate treatment can make details of image display perfectly. ● Comprehensive solution scheme from single work station mode to complete PACS system, support worklist, DICOM standard interface, which has improved working efficiency.	
				Automatic or manual window position and width adjustment		
				Image turnover, circumgyrate, mirror image		
				Image continuous enlarged and cruise		
				Rich label function		
				Multilevel image intensifier		
				Can be shown in 2,4,9,16 image, compare image in monitor		
			Image data manage	Image adopt various of Inquire way (name, time,ID etc)		
				Edit patient's information		
			Supporting the DICOM3.0 output.			
			Host computer	System: Windows 7		
				CPU: Intel(R)CORE (TM) 2		
				Hard disk: 500G SATA		
				Monitor: 19" LCD		
				Internal storage: 2 G		
				VGA Card: High efficiency speedup card		
			Optical driver: DVD +/-RW			
6		Movable table	Length: 2000mm		● High quality-price rate.	
			width: 700mm			
			Inner height: 690mm			
			Feet wheel: 4, with lock			
7		Collimator	Manual, with location light		● Operate conveniently.	

Photo showing



Generator



Hanger



Movable table