






SPECIFICATIONS TECHNIQUE DE L'APPAREIL DE RADIOGRAPHIE NUMERIQUE MODELE : PIONEER 1

Item No: pioneer 1

Standard Configuration

No	Photo	Item	Technology Parameter	Description	
1		Generator	Supplier: CPI	<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 Asian physical constitution characteristics, even new operator can select out accurate exposure conditions and catch perfect image easily. • 150kV high voltage, matching with short time exposure, can meet instantaneous radiographic requirements of each part. AEC function for you to select, all kinds of exposure conditions is 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. 	
			Frequency: 200kHz		
			Radiography: 40-150kVp		
			Radiography: 10-630mA		
			Exposure time: 0.001-6.3S		
			Voltage: 3 phase,380V		
			Power: 50 kW		
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: 630mA		
			Power:20/46kW		
Heat capacity: 150KHU					
3		U-C arm	Stand height:2200mm	<ul style="list-style-type: none"> • UC arm support holds many independent movable joints, which can omnidirectionally rotate, ensures no dead angle. Control system of the whole motor frame and large adjustment of SID, which can satisfy accurately position demand. • Workmanlike UC arm as well as detector and X-ray tube equilibrium system, which can carry out radiography from erect, lying to sitting position. • Infrared not -contact automatic collision avoidance system and double-speed electric adjustment mechanism, which ensure the operator and the patient safety. • Also can be remote controlled. 	
			Arm up and down moving range: 1265mm		
			Distance from the center of the arm to the ground: ≥425mm		
			Arm rotating range: -30°-120°		
			Focus screen distance		Min: 1000mm
					Max: 1800mm
			Tube moving range:800 mm		

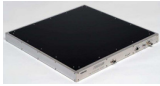



4		Flat panel Detector (Toshibai, Japan)	<p>Vision: 17"X17"(43cm X43cm)</p> <p>Pixel matrix: 3008 X 3072</p> <p>Pixel size: 143µm</p> <p>Gray-scale: 14 bit</p> <p>spatial resolution: 3.5LP/mm</p> <p>Imaging time: 5s</p> <p>Weight: 17kg</p>	<ul style="list-style-type: none"> ●Ultra-thin and high-resolution caesium iodide detector(thickness < 70mm). ●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 been displayed enough clearly. <p>automatic repair and calibration technology of self equipped sensor has ensured healthy operaton.</p>								
5		Image system	<table border="1"> <tr> <td data-bbox="497 640 635 1070">Image processing</td> <td data-bbox="635 640 973 1070"> <p>Compare adjustment, enlarged show, measure can be done with mouse easily.</p> <p>Automatic or manual window position and width adjustment</p> <p>Image turnover, circumgyrate, mirror image</p> <p>Image continuous enlarged and cruise</p> <p>Rich label function</p> <p>Multilevel image intensifier</p> <p>Can be shown in 2,4,9,16 image, compare image in monitor</p> </td> </tr> <tr> <td data-bbox="497 1070 635 1196">Image data manage</td> <td data-bbox="635 1070 973 1196"> <p>Image adopt various of Inquire way (name, time, ID etc)</p> <p>Edit patient's information</p> </td> </tr> <tr> <td colspan="2" data-bbox="497 1196 973 1234">Supporting the DICOM3.0 output.</td> </tr> <tr> <td data-bbox="497 1234 635 1615">Host computer</td> <td data-bbox="635 1234 973 1615"> <p>System: Windows XP sp3</p> <p>CPU: Intel(R)CORE (TM) 2</p> <p>Hard disk: 500G SATA</p> <p>Monitor: 19" LCD</p> <p>Internal storage: 2 G</p> <p>VGA Card: High efficiency speedup card</p> <p>Optical driver: DVD +/-RW</p> </td> </tr> </table>	Image processing	<p>Compare adjustment, enlarged show, measure can be done with mouse easily.</p> <p>Automatic or manual window position and width adjustment</p> <p>Image turnover, circumgyrate, mirror image</p> <p>Image continuous enlarged and cruise</p> <p>Rich label function</p> <p>Multilevel image intensifier</p> <p>Can be shown in 2,4,9,16 image, compare image in monitor</p>	Image data manage	<p>Image adopt various of Inquire way (name, time, ID etc)</p> <p>Edit patient's information</p>	Supporting the DICOM3.0 output.		Host computer	<p>System: Windows XP sp3</p> <p>CPU: Intel(R)CORE (TM) 2</p> <p>Hard disk: 500G SATA</p> <p>Monitor: 19" LCD</p> <p>Internal storage: 2 G</p> <p>VGA Card: High efficiency speedup card</p> <p>Optical driver: DVD +/-RW</p>	<ul style="list-style-type: none"> ●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.
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6		Movable table	<p>Length: 2010mm</p> <p>width: 750mm</p> <p>Inner height: 690mm</p> <p>Feet wheel: 4, with lock</p>	<ul style="list-style-type: none"> ●High quality-price rate. 								
7		Collimator	Manual, with location light	<ul style="list-style-type: none"> ●Operate conveniently. 								

Photo showing



Console



U-C arm



Movable table

