

PLX7200 High Frequency Mobile Digital C-arm System (Cone Beam CT)



I. Application

It is widely used in Orthopedics, general surgery, orthopedic surgery, urology, spinal surgery, abdominal surgery, gastroenterology department, gynecology and operating room etc, for Bone tissue biopsy, spine pedicle screw implantation, long tubal bone marrow nail fixation and hand, foot fracture surgery with screw fixation.

II. Product configuration

Part	Quantity
Console	1 unit
High voltage generator	1 unit
X-ray tube assembly	1 unit
Electric collimator	1 unit

9 inch three- field image intensifier	1 unit
19 inch 1M grey medical LCD display	1 unit
Medical million pixel digital camera	1 unit
Human graphic LCD touch screen	1 unit
Hand controller	1 unit
Handle mechanical movement controller	1 unit
Exposure braker	1 unit
3D position system	1 unit
Remote maintance system	1 unit

III. Main Technical Parameters

Item	Content	Technical Parameters
Electrical Performance	High Frequency Inverter Power Supply	Output power: 5kW Inverter Frequency: 60kHz
	Automatic& Manual Continuous Fluoroscopy	Tube Voltage: 40-125kV, continuous adjustment Tube Current: 0.3-4mA, continuous adjustment
	Pulse Fluroscopy	Tube Voltage: 40-125kV, continuous adjustment Tube Current: 4.1-30mA, continuous adjustment Pulse Frequency: 0.1-10 frame/s, continuous adjustment
	C-arm track sliding Sequence Photography	Tube Voltage: 40-125kV, continuous adjustment Tube Current: 4.1-15mA, continuous adjustment Number range of sequence photography: 100 frame
	Radiography	Tube Voltage: 40-125kV Max. Tube Current: 100mA mAs: 0.1-180mAs
X-ray Tube	Fixed anode Focus	0.3mm/1.5mm Anode thermal capacity: 35kJ
Image System	Image Intensifier	Toshiba 9" image intensifier
	CCD Camera	Medical use 1 million pixel digital CCD Cameral

	CCU	Real time collection, horizontal, vertical mirror image, recursive noise reduction can be adjusted continuously, multi-images storage, image patching, last image freeze.
	Monitor	19 inch 1M medical use LCD grayscale monitor
	Workstation Software	Storage without damage, multi-images display, image W/L real time adjustment, grayscale switch, region of interest balance, GAMMA correction, flip, noise
Structure Performance	Direction Wheel, main Wheel	Direction wheel 360° rotation, main wheel $\pm 90^\circ$ rotation
	C-arm	<p>Motorized forward and backward movement: 200mm</p> <p>Motorized rotation around horizontal axis: $\pm 180^\circ$</p> <p>Rotation around vertical axis: $\pm 15^\circ$</p> <p>Motorized slip on orbit: $120^\circ(+90^\circ \sim -30^\circ)$</p> <p>Motorized ascending and descending of pillar: 400mm</p> <p>SID: 1025mm Open: 825mm Arc Depth: 810mm</p>