

PLX7000B High Frequency Mobile X-ray C-arm System



1. Usage:

PLX7000B is widely used in Department of Orthopedics, Department of General Surgery, Orthopedics, Urology Surgery, Spine Surgery, Abdominal Surgery, Department of Pain Treatment, Cardiology, Gastroenterology, Gynecology, Operating Room, etc.

2. Features:

- 1 Super High-power, micro-focus and high-frequency generator optimize digital images.
- 2 Domestic leading full pulse fluoroscopy, Intelligent control of exposure makes super low dose.
- 3 Multiple operating modes to meet various clinical needs.
- 4 Multi-leaf and vertical light shadow control, effectively, reduces soft X-ray ,dramatically reducing the skin dose.
- 5 Imported famous brand image intensifier and all-digital CCD camera providing high-quality and high-resolution images.
- 6 Dual high-resolution LCD monitors assure image quality effect.
- 7 The powerful digital graphic workstation standard configuration DICOM 3.0 interfaces and network perfect butt, support Worklist registration and manual registration dual registration modes
- 8 Workstation has the high-capacity digital storage function. Fluoroscopy and digital spot film(DSI) are all stored in digital format without any loss. It has powerful processing capabilities like edge enhancement, multiple images, gamma correction, movie playback, window width/level, experts template mode, burn CD, etc.
- 9 Four-D electric motion control, accurate positioning, flexible and comfortable control. Super large frame design, provides lager diagnostic and watch spaces and more comfortable surgical operation environment. New design and new ideas brings superior experience.
- 10 Two panels of human graphical LCD touch screen provide intelligent ,fast and convenient operation. Dual motion control system and double foot brake for expose make this machine greatly meet the demands of clinical operations.
- 11.Excellent **DSA** and DSI function.

3 Configurations

1. Four-D electric super-power same centre mobile C-arm main frame	1 set
2. High-frequency and high-voltage X-ray generator and high frequency inverter power supply. (12kW, 60kHz, 125kV)	1set
3. Toshiba 9 inch image intensifier	1 set
4. Medical million-pixels ultra-low illumination digital camera	1 set
5. Digital Data Acquisition and Processing System	1 set
6. Imported dense grain grids	1 set
7. Electric adjustable collimator	1 set
8.19 inch LCD display	2sets
9. Hand held controller	2sets
10. Human graphical LCD touch screen	2sets
11. Foot brake for exposure	2sets

Performance and Parameter:

Category	Items	Content
Electrical Performance	High frequency inverter power supply	Power output: 12.0kW Inverter Frequency: 60 kHz
	Automatic &Manual Continuous Fluoroscopy	Tube voltage: 40kV~125kV continuously adjustable Tube current: 0.3mA~4mA continuously adjustable
	Automatic &Manual Enhanced Fluoroscopy	Tube voltage: 40kV~125kV continuously adjustable Tube current:0.3mA~8mA continuously adjustable
	Automatic &Manual pulse Fluoroscopy	Tube voltage: 40kV~125kV continuously adjustable
		Tube current:0.3mA~30mA continuously adjustable
		Pulse frequency : 0.1~10fps,continuously,adjustable
	DSI Digital Spotfilm Imaging	optional 1-5 fps
Photography tube voltage tube current	40kV~125kV 160mA	
X ray tube	X-ray tube special for high frequency	Rotary anode focus 0.3/0.6 mm Anode thermal capacity:212kJ
Imaging system	Image Intensifier	Toshiba 9" image intensifier

	CCD camera	Medical million-pixels ultra-low illumination digital camera
	CCU	Real-time acquisition、 up and down image, left and right mirror image、 continuous adjustable recursive noise reduction、 multy images storage、 image patching、 LIH (last image freeze)
	Monitor	19 inch LCD display
	Workstation software	Storage without loss,multi-image display, Image W/L real-time adjustment, grayscale conversion, interest area balance, Gamma correction, reversal, noise reduction,enhancement,smoothing,sharpening,compression,enlargement,measure, mark, image & document report printing& typeset,Expert template, Dicom image sending, Dicom image print, movie playback, image burn record, worklist registration, etc
Structure	Direction wheel and main wheel	Direction wheel can rotate in any direction, main wheel $\pm 90^\circ$
	C-arm	<p>Forward & backward 200mm by electrical power Revolution around horizontal axis : $\pm 180^\circ$. Revolution around vertical axis: $\pm 15^\circ$</p> <p>Slipping on orbit: $120^\circ(+90^\circ\sim-30^\circ)$ electromotion ,The pillar up and down electromotion is 400mm.</p> <p>SID: 1060 mm C-arm open distance: 860 mm Arch depth: 700 mm</p>