

PLX4000 Digital System

With Portable flat panel detector



Packing Detail: 1220*900*1460 mm, 1.7CBM; NW: 180 KG GW: 250KG

I. Application

The machine is Combined X-ray photography of medical diagnostic equipment, application for wards, emergency rooms, operating rooms, ICU, etc. It can be used for human body head, limbs, chest, waist and abdomen and many other parts.

II. Specifications

Type	Item	Spec	
High frequency X-ray	Max output power	5kW	
	Main Inverter Frequency	50kHz	
	X-ray tube	Focus	1.5mm
		Fixed anode	-
	Tube current	25-100mA (46 steps)	
	Tube voltage	40-120kV (Step 1kV)	
mAs	1.0-180mAs		
Portable flat panel detector	Detector	Amorphous silicon detector	
	scintillator	GOS/CSI	
	View	14"×17"	
	Pixel	3K*3K	
	Max spatial resolution	3.4LP/MM	
	Pixel size	150um	
	Output gray-scale	16bits	
DQE	66%		
Power supply		220V±10% 50/60Hz	

Tube voltage	Tube current	mAs
40-49KV	100 mA	1-180 mAs
50-59KV	77 mA	1-140 mAs
60-69KV	64 mA	1-125 mAs
70-79KV	55 mA	1-110 mAs
80-89KV	49 mA	1-100 mAs
90-99KV	44 mA	1-80 mAs
100-109KV	32 mA	1-63 mAs
110-120KV	25 mA	1-50 mAs

Operation Method: Wire/Wireless control.

20 meters microwave remote control exposure. (Advantage) It is different from infrared remote control exposure, does not suffer any obstacles in the way.

III. Standard Configuration

No.	Item	Quantity
1	Combined X-ray generator and high frequency inverted power supply	1
2	New main frame of Mobile X-ray system	1
3	X-ray equipment control system	1
4	Rotatable adjustable collimator	1
5	Remote control	1
6	Portable flat panel detector	1
7	Workstation	1

IV. Features:

1. Structure using ergonomic design, compact appearance, convenient operation
2. With high frequency inverter to emit high quality X-ray and low dose on skin, and ensure excellent definition and contrast of pictures
3. With techniques of kV analog closed loop control, mAs digital closed loop control and micro-processing real-time control to ensure precision and repeatability of the dose
4. With kV, mAs two button adjustment, LCD display, multifunction of safety guard
5. With 50 preset exposure programs, and can be modified and stored by the user for convenient operation
6. High-quality knockdown X-ray generator to reduce irradiation is much safer to environment and operator
7. With a rotatable beam applicator to adjust the X ray field and a collimator lamp to locate the field to ensure accurate radiograph.