

Digital Radiography System x ray scanner



I. Application:

This machine is applied to take digital radiography on every part of human body, such as head, limbs, chest, limbus and abdomen and etc.



II. Specification:

Item	Content	Technical Parameter
Power Supply	Voltage	220V
	Frequency	50Hz
	Capacity	≥40kVA

		internal resistor	≤0.15Ω
Generator		Power Output	32KW
		Inverter Frequency	30 KHz
	photography	Tube Voltage	40kV—150kV
		Tube Current	10mA—320mA
		Exposure time	1.0ms—6300ms
Digital Controlled X-ray Tube		Tube Focus	1.2mm /0.6mm (Large/Small Focus)
		Input Power	Large/ Small focus: 40kW/ 20kW
		Thermal capacity	110KJ
		Rotary anode speed	2800rpm
Radiography Table		Table longitudinal movement	≥900mm
		Table transverse movement	≥220mm
		Pillar movement along table	≥1300mm
		Detecting holder movement	≥500mm
		Tube assembly up-down movement	500mm-1280mm
		Collimator	Manual Multi-leaf
		Table use fixed grid	Grid density: 103L/INCH Grid ratio: 10:1 SID: 120cm Stationary type: 15"×18"
Bucky Stand		Radio-graphic device movement along pillar	≥1300mm
		Cassette SID	450- 1780mm
		Fixed grid	Grid density 103L/INCH Grid ratio: 10:1 SID: 180cm Size: 15"×18"
Flat Panel Detector		Vision size	358mm(H)×430 mm(V)
		Pixel Matrix	2560(H)×3072(V)
		Pixel Pitch	139 μm
		Imaging time	less than 10s
		Limiting resolution	3.5 lp/mm typ
		A / D transform	14 bit
		Energy range	40 - 150 kVp

	Max input dose (low transmission gain)	4 mR / frame
	Date out	A 16-bit digital output Ethernet (1000BASE - T)
	Command control	Ethernet (1000BASE - T)
	Power input	DC 24V 4.8A
Work Station	CPU System	<p>Brand: DELL OPTIPLEX 7010 commercial use</p> <p>Processor: Core™ i5-3570 processor</p> <p>RAM: 4GB DDR3</p> <p>Hardware: 500GB SATA (7200 rpm)</p> <p>CD-driver: suit MT's 16X variable-speed DVD + / - RW With functions of double written</p> <p>Network Card: Broadcom NetXtreme 10/100/1000 PCIe Gigabit LAN GNTB-A</p> <p>High display card: 1GB AMD RADEON HD 7570,FH,with DVI-VGA Adapter</p> <p>Slop: PCIE seriel port and parallel port, all height, MT</p>
	Color LCD Monitor	<p>19 inches 1M LED backing light LCD display revolution1280x1024, 5:4screen dot pitch: 0.294mm contrast ratio: 1000:1 brightness: 250cd/m² Grey feedback time: 5ms visual Angle: 160/170°</p>
	Monochrome Monitor (Optional)	<p>1280*1024,19inches brightness 1000cd/m² Contrast Ratio 900:1</p>
	Work Station Software	<p>Basic operation: Change control console password, edit ID, acquisite images.</p>

		<p>Additional operation: Add new check, edit present checking info, add new position, change image acquisition order, multi-checking agreement chance, manual adjustment of exposure parameters, automatic exposure control mode, focus choice, patient body-type choice, tube capacity check, ESA curve choice, image cutting, note added (sent to DICOM workstation), mark on images, rotate or overturn, full-size image observation, check patient info and dose info, accept or refuse images.</p> <p>Image management: Change order, patient basic info editing, inquiry history images, resend history images, re-print history images, check images mark info, review history images, manage refused images, space reclaimed, image protection, and manual image deletion etc.</p> <p>System management: ID edition, change ID password, ED refrigeration set, statistics info checking, detector calibration, equipment control, output order management, image measurement.</p>
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III. Standard Configuration

No.	Item	Model	Quantity	Note
1	Control Console	KZT10	1 unit	PLD
2	HF HV generator	FSQ30R	1 set	PLD
3	X-ray tube assembly	LQ16	1 unit	Hangzhou China
4	Collimator	XSQ30	1 unit	PLD
5	Radiography Table	SYC20	1 unit	PLD
6	Bucky Stand	XPJ30	1 unit	PLD
7	Flat Panel Detector	PLD-1417 S	1 set	Toshiba OEM
8	Image acquisition Workstation	DRA40	1 set	
9	Display	MD19M1	1 unit	Optional

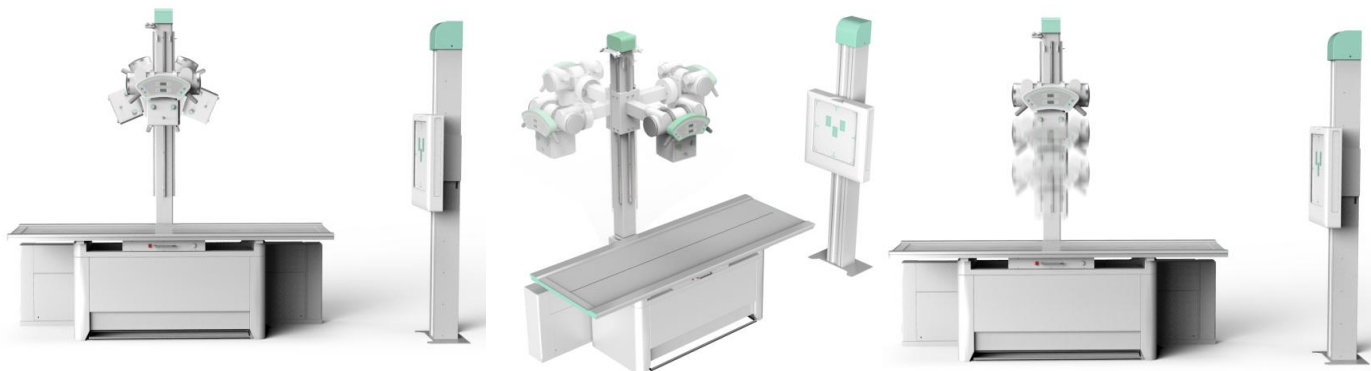
10	Cables etc accessories	PLD3600	1 set	
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IV. Feature:

1. 220V low power supply, convenient installment
2. High cost-effective FPD DR, suitable for primary hospital to realize digitalization.
3. The floating table with bucky stand can meet the photographic requirements of different standing and lying positions. The bed floating and electromagnetic lock design makes it convenient for the accurate position of the lying patient, operation is much more convenient and flexible.
4. Potable flat panel detector can take radiography for patient on wheel chair or stretcher.



5. The world leading Toshiba 14" *17" OEM digital flat Panel detector can help you get the high-definition images.
6. The leading domestic high power compact high frequency X-ray generator and high frequency power inverter makes the machine much more compact and more convenient without the extra high-voltage generator and cable.
7. The application of the KV and MA digital closed-loop control technology and the real time control of the microprocessor ensure the accuracy and repeatability of the dose.
8. The multiple automatic protection features and fault tips ensure safety during the operation process.
9. It also can be made one kind of vehicle-mounted model. Mobile medical examination and emergency use!



Packing : 1045kgs, 7.00CBM

Product name	Type	Length (mm)	Width (mm)	Height (mm)	N.g (kg)	G.g (kg)	Wooden Case Weight(kg)
PLD3600 Packing Details							
Radiography Table	SYC20	2290	1340	910	410	546	136
Bucky Stand	XPJ30	2360	800	550	140	240	100
Control console	KZT10	1760	1085	915	110	133	23
HV Generator	ESQ30R	986	547	1077	120	146	26