

HIGH FREQUENCY DIGITAL MOTION X-RAY MACHINE

CCX7900 SKU:65.5kw,800mA

(Dual functional, 65.5KW, 800mA, Dynamic FPD, AEC*1 set, DAP*1 set , Manual Stitching)



PRESENTATION OF PRODUCT

China Care Medical Equipment Co.ltd

PRODUCT DESCRIPTION

Product Usage

It is a dual functional machine integrated digital radiography and digital fluoroscopy into one machine. It can work in radiology department where in Medical Center, Diagnostic Center, Health Examination Center, Orthopedics and Trauma for doing radiography and fluoroscopy exams like ,Chest, limbs abdomen,lumbar etc whole body part radiography and fluoroscopy like esophagography, pyelography, salpingography , chest fluoroscopy, abdomen fluoroscopy etc.

1.Digital radiography :

Head, chest, lumbar, abdomen,limbs in each clinical departments .



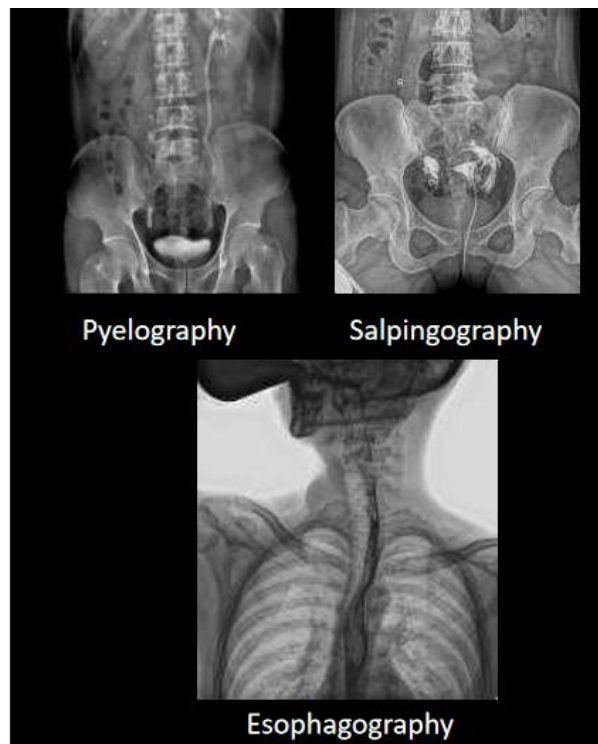
2.Digital fluoroscopy :

Suitable for various parts of the body
(such as chest X-ray, abdominal X-ray, etc.)

3. Digital angiography :

➤ Such as esophagography, pyelography, salpingography

➤ Interventional operations under fluoroscopy Foreign body removal under fluoroscopy, puncture under fluoroscopy, bone restoration under fluoroscopy, etc.



◆ **Precise Radiography :**

visual inspection, find lesions, and accurately locate point films.

◆ **Multi-dimensional Radiography:**

Oblique photography to meet the shooting needs of special parts of the human body.

◆ **Special Radiography:**

meets the shooting needs of standard chest radiographs or pneumoconiosis identification.

◆ **Spine Stitching Radiography :**

whole spine and lower extremities



Product Specification

1. Item	2. Content	3. Technical Parameters
Power condition	Voltage	380V±38V
	Frequency	50Hz±1Hz
	Capacity	≥105kVA
	Internal Resistance	≤0.17Ω
HF HV Generator System	Power	65.5KW
	Inverter Frequency	500 KHz±20%
	Radiography Tube voltage	40kV—150kV
	Radiography Tube current	10mA—800mA
	Radiography mAs	0.1mAs—800mAs
	Fluoroscopy tube voltage	40kV—125kV
	Fluoroscopy tube current	0.5mA~20mA (continuous) 5mA~40mA (pulse)
X ray tube (CANON E7252X)	Tube Focus:big/small	1.2mm /0.6mm
	Input power	Big focus: 75kW /Small focus 30kW
	Anode thermal capacity	220kJ/300KHU
	X-ray tube heat capacity	900kJ/1300KHU
	Rotary anode speed	9700rpm

Digital Flat Penal Detector (Dynamic)	Active area	434mm(H)×434mm(V)
	Pixel matrix	3072(H)×3072(V)
	Pixel pitch	139 μm
	Limiting resolution	Min. 3.7 line pair/mm
	A / D transition	16 bits
	Energy range	40 - 150 kVp
	Acquisition speed	30fp/s
X-ray table	Light touch switch,electromagnetic brake	
	Height	≤800mm
	Load capacity	200kg
	Size	2010mm*650mm*720mm
	Horizontal movement range	≥860mm
Mechanical movement	X-ray tube up-down	1150mm
	U-arm rotating	-40°-130°
	SID	1000mm ~ 1800mm
Digital Workstation	19inch monitor +computer +keyboard +mouse +speaker	
	Joystick remote controller	
	Foot brake control system	
	Desk	
	Image professing software	

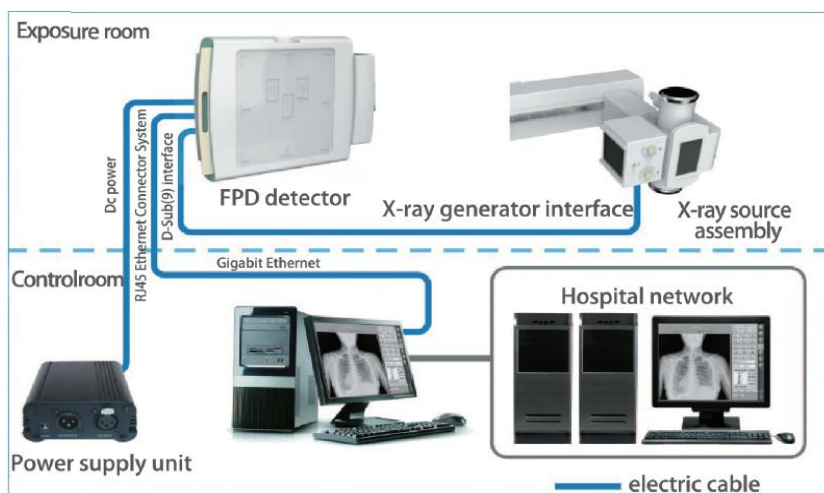


Image processing software functions introduction :

1. Basic operations and image acquisitions

Registration: regular registration, emergency registration, adding agreement, adding items, clearing information, starting inspection:
Work list: list information, search for patients to be examined, refresh of the to-be-examined list, deletion of examinations, and display column settings. Start inspection, emergency registration;
Exam list: list information, examined patient display and search, delete images, image storage, CD burning, add items, display column settings, modify examination information:
Patient size: thin adults, adults, fat adults;
Photography parameter settings: exposure mode, frame rate setting, kVp, mA, ms, mAs , AEC, focus selection;
Perspective parameter setting: exposure mode, frame rate setting, kVp, mA, ABS, time reset;
Browsing Tools: Zoom, Flip Horizontal, Flip Vertical, Rotate Left 90 Degrees, Rotate Right 90 Degrees, Zoom In, Zoom Out, Original Size, Move Image, Invert Color, Adaptive Size, ROI Magnifier, Magnifier, Default Window Width Window Level, ROI window width and window level, visible window width and window level, point gray value, advanced processing, ellipse gray measurement:
Measurement tools: arrow, cardiothoracic ratio (CTR), distance measurement, angle measurement, spine measurement;
System Tools: Text Marker, Anterior Body Marker, Left Marker, Right Marker, Circular Crop, Delete Image, Delete Tool:
Error reset, exposure indicator, full screen, save current image, print

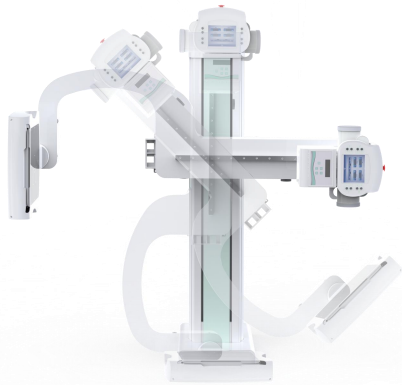
Image processing software functions introduction :

2. Image output and management operations:

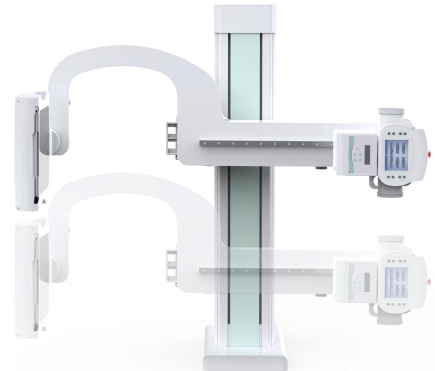
Report editing: patient information display and editing, image selection, report content template selection, report description, report conclusion, report description + conclusion, editing knowledge base, reporting doctor, reviewing doctor, reporting time, printing template, setting, saving report:
Report Printing: Quick Print, Print Report Image Archive, Burn, Print: Delete Image, Image Storage, Browse Image, Report, Lock/Unlock, Store Queue, Print Queue;
Disc Burn: Volume Label, Save Settings, File Compression, File Structure :
Print: Access to DICOM Printer, Local Printer
System Settings: System, Annotation Information, Tools, Others;
Hardware Configuration: Syncbox, High Voltage, Probe, Collimator, DAP; **Network Configuration:** Local, Job List, Netstore, Local Store, Print:
Check Management: basic information, placement information, hardware parameters, image processing, inspection protocol:
Quality management: search, system management:
User management: add, update, delete, authority.

Intelligent Control---People-oriented and Great Care

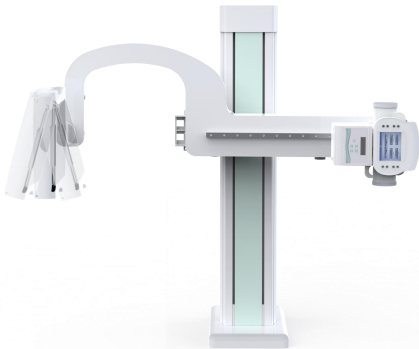
Flexible and efficient multi-dimensional movement
Full satisfaction in varieties of positions.



U-arm negative angel rotation



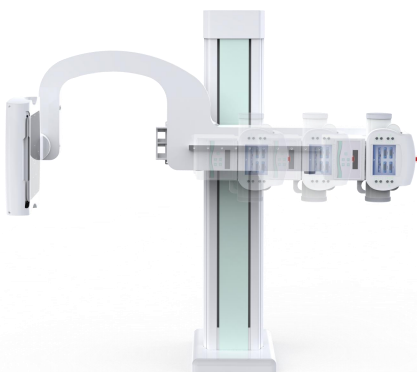
U-arm up-and-down movement



Detector rotation



Table horizontal movement



Tube horizontal movemen



U-arm rotation

Product Advantages

Cost-Effective:

- PLD7900 Digital motion X-ray = 1 Digital x-ray + 1 Digital fluoroscopy machine
- Suitable for those medical hospitals, centers, clinics who want to provide various X-ray checking services but with limited space and budget.
- All Hospitals, centers, clinics who have demands of digital X-ray checking are highly suggested to own a PLD7900, Its digital fluoroscopy working mode will enrich your medical services and bring extra business.

Reliable & High Efficiency:

- Powerful generator to ensure quality X-ray source and low dose, world top-level technology
- Imported CANON X-Ray tube with high rotation and heat capacity guarantee long time working
- Full Digital workflow, high tech imaging processing software, real time display and sharing.

Clinically-Oriented:

- Max SID 1.8m meet chest radiography, preferred for COVID-19 diagnosis;
- High-frequency generator to ensure 'X-Rays' hardness and stability
- Large Size Dynamic flat panel, detector 17*17 inch, Large view of acquisition, reduce repeat exposure.
- Mobile table could make the elderly and disabled patients be moved to any place easily, and flexibly meet positioning demands

Customer-Oriented:

- Optimized and efficient multifunctional design, easier to operate and Save more space;
- Table-side touch screen, synchronized with workstation, conveniently control.
- Motor-driven collimator, more accurate and convenient to do fluoroscopy /angiography exams.

Value-Added:

- Standard Manual Whole Spine Stitching
- Standard AEC function
- Standard DAP device
- Standard High-density filter grid, more effective filtering of scattered rays, to ensure the quality of the image

1) Functions of control panel

1. Digital display movement status,
2. Angles of rotation: detector and U-arm
3. SID distance
4. U-arm to ground distance
5. One button chest position
6. One button lying position
7. One button "0" degree detector

With intelligent design with accurate control,
Gravity Sensor automatic Rotate



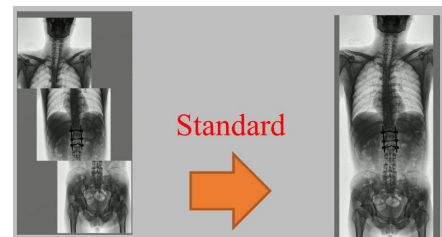
2) Dual grid (Special grids for special SID)

1. Special distance for special grid. Two sets grid make you get the best image.
2. Removable design is for X-ray sensitive patients, like child or the elder, which can effectively reduce radiation damage to doctors and patients.
3. High density grid is the best level in the world.



3) Image stitching function

Stitching function usually make a great comparison for patients' upper body and lower body.



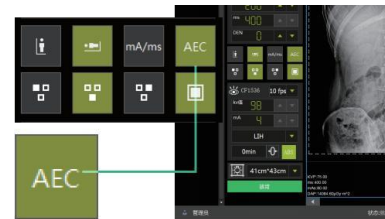
4) DAP function:

Real-time monitoring the dose radiation, protect patients and doctors' health



5) AEC function :

Automatic control of exposure sensitivity to make sure to get sharp image, for easier and high efficiency exams.



6) In-tray charge of detector:

Perlove Detector is always in charge, it means you do not need to change the battery and waste time, and easy to storage.



Real machine photos





Image feedback from customer

