

50kW 630mA Floor-mounted Digital Radiography System

(X-Ray 32/50/65/80kW possible)



Introduction

Floor-mounted Digital X-ray Radiography System adopts floor-mounted table and wall stands. Its smart design, flexible movement, easy operation and high working efficiency provide more imaging positions. It is a high-end digital radiography device with wide range of applications, which could perform routine imaging of human head, chest, abdomen, lumbar vertebra and limbs with PA, LAT and clinostatism in hospitals at all levels.

Features

- ◆ Sophisticated technology, high rotating speed, good heat dissipation, high heat capacity, suitable for long-time clinical examination, long product life.
- ◆ High frequency generator with high X-ray inverse frequency, large power and good X-ray quality.
- ◆ Intelligence high voltage control system with various APR.
- ◆ New generation a-Si Csl flat panel detector with high conversion rate achieves digital image acquisition with low dose.
- ◆ High standard digital image processing system provides more post-processing and meets clinical needs.

Specifications

Ambient Conditions

Ambient temperature	10℃～40℃
Relative humidity	30%～75%
Atmospheric	70～106kPa

X-ray Generator

Output power	50KW
Frequency	≧ 25KHZ
Current	10～630mA
Voltage	40～150KV
mAs	0.1～630mAs
Exposure time	1ms～6300ms
APR program	Equipped
Intelligent protection system	It has self-protection system. It will give an alarm and check fault code.

X-ray Tube

Anode type	Rotating Anode
Focal Spot value	0.6mm /1.2mm
Maximum voltage	150KV
Revolving speed of anode	2800rpm
Inherent filtration	1.0mmAl
Anode heat storage capacity	300kHU
Maximum cooling rate of anode	870W
Housing heat storage capacity	900kJ

X-ray detector(Flat Panel Detector)

Type	Amorphous Silicon
Scintillator	Cesium Iodide
Active Area	17x17Inch(43cm*43cm)

Active Pixel	3072*3072
Pixel Pitch	139um
A/D Conversion	16bits
DQE	$\geq 70\%$
Spatial Resolution	36Lp/cm
Acquisition time	$\leq 2S$

Collimator

Type	Manual Collimator
Max. Window	440mm×440mm (SID=100cm)
Lamp	AC/DC24V、5W
Lamp timer	Automatic illumination with timer for lamp(30S)
Inherent filtration	1.0mmAl
Illuminant	LED

Grid

Densities	40LP/CM
Ratios	10:1
Size	18" × 18"
Focal distance	130cm

Table

Type	Radiography Table
Tabletop size	2000mm×800mm
load-bearing	300KG

Movement

Tube stand	
Up-down movement	1280mm
Stand left-right movement	1800mm
Rotational angles of stand	+180° ~-180°
Rotational angles of tube	$\pm 90^\circ$
Detector stand	
Up-down movement	1280mm

Workstation

Monitor	24" LCD
CPU	$\geq 2.0GHz$
Memory	$\geq 2GB$
HDD	$\geq 500GB$
DICOM3.0	Query for integration with any PACS
Functions	Import/export function
	Image info
	Management of patient info
	Post processing
	Measurement etc.

380V, 50kW High-voltage Generator 40-150KV,10-630mA

+ X-ray Tube

+Floating Radiography Table

+Chest Stand

+Collimator

+Control Panel

+PC workstation

+Monitor

+Flat Panel Detector

Price (06/11/2024): 51520 USD EX Work China