



Forever Medical

# 32kW 400mA Floor-mounted Digital Radiography System



## 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,

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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°C~40°C
Relative humidity	30%~75%
Atmospheric	70~106kPa

### X-ray Generator

Output power	32KW
Frequency	≧25KHZ
Current	32~400mA
Voltage	40~125KV
mAs	0.1~150mAs
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	1.0mm /2.0mm
Maximum voltage	125KV
Revolving speed of anode	2800rpm
Inherent filtration	1.0mmAl
Anode heat storage capacity	140kHU
Maximum cooling rate of anode	450W
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	≧ 70%
Spatial Resolution	36Lp/cm
Acquisition time	≤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

<b>Tube stand</b>	
Up-down movement	1280mm
Stand left-right movement	1800mm
Rotational angles of stand	+180° ~-180°
Rotational angles of tube	± 90°
<b>Detector stand</b>	
Up-down movement	1280mm

Workstation

Monitor	24" LCD
CPU	≧2.0GHz
Memory	≧2GB
HDD	≧500GB



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DICOM3.0	Query for integration with any PACS
Functions	Import/export function
	Image info
	Management of patient info
	Post processing
	Measurement etc.