

Digital Medical X-ray Radiographic System

Mobile DR Series

Model: M32D

Specifications



Product Introduction

1. The equipment is used for digital medical X-ray radiography of all parts of the whole body bedside through electricity-assisted movement;
2. The equipment can be used in conjunction with a radiographic table and bucky stand to perform digital medical X-ray radiography on the chest, abdomen, limbs, spine and other parts, which is convenient, fast, flexible and accurate;

Configurations

No.	Product Name	Quantity
1	Flat Panel Detector 17"x17"	1
2	High Frequency Generator	1
3	X-Ray Tube	1
4	Collimator	1
5	Mobile Stand	1
6	Laptop Workstation	1
7	Bucky Stand	Optional
8	Radiographic Table	Optional

1. Flat Panel Detector

- Detector Technology: Wireless a-Si Flat Panel Detector
- Scintillator Material: CsI
- Images Size: 17"x17" inch
- Static Pixel Matrix: 3072 x 3072pixels
- Pixel Size: 139µm
- Spatial Resolution: 3.5lp/mm
- Output Grayscale: 16bit
- Image Preview Time: 2s (wireless) / 1s (wire)
- Battery Standby Time: 8h
- Connection: Wireless / Wire
- Power Supply: AC 100~240V, 50/60Hz, 20W
- Resistant: IPX4
- Dimensions: 460 x 460 x 15 mm
- Weight: 4.3 kg
- Operating Ambient Temperature: 5~35 °C
- Operating Relative Humidity: 10~75 %



2. High Frequency Generator

- 32KW HF generator
- Nominal Output Power: 32kW
- Maximum Output Power: 35.2kW
- Inverter frequency: 60kHz~250kHz, max. 250kHz
- kV Range: 40-125kV
- mA Range: 10-400mA
- mAs Range: 0.5-200mAs
- mS: 1mS~7.1S
- Plug in to use, input voltage 220 (110) V, input power 2KVA

3. X-ray tube

- Focus: 0.6/1.2mm
- Voltage: 150kV
- Anode Type: Rotating
- Anode Heat Capacity: 300kHU
- Anode Angle: 12°



4. Collimator

- Manual Control
- Filter: 1.2mm Al
- Collimator Rotation Range along the vertical axis: $\pm 90^\circ$
- Tube head with 7 inch touch screen, LCD display with high voltage parameter adjustable



5. Mobile Stand

- Mobile Stand Size: 1200mm × 550mm × 1300 mm
- Weight: 220kg
- The column can lift up to 500mm distance with electric buttons
- The Vertical Movement Range of SID: 530~2050mm
- X-ray tube rotation: $\pm 90^\circ$
- X-ray tube rotation around tube axis: $-15^\circ \sim 0^\circ \sim +90^\circ$



6. Laptop Workstation

- Laptop Brand: Lenovo
- Display: 15 Inch
- CPU: 11th Generation Intel® Core™ i5 Processor
- Memory RAM: 8G
- Graphics card: 2 GB DDR3
- HDD: 500GB
- Image Acquisition: Automatic Window Adjustment, Automatic Cropping, Automatic Transmission
- Image Processing: Image correction, Image Flipping

7. Bucky Stand

- Up and down movement range of the cassette along the column: 400mm-1850mm, with a deviation of not more than $\pm 5\%$, and mechanical limit
- Size dimensions of the cassette: 530x494x75mm
- Able to clamp various models of flat panel detectors and cassette dimensions
- The grid can be installed on the side (498.5x449mm)
- Overall height of the bucky stand column: 2060mm
- Up and down movement handbrake, and hand-release automatic brake



8. Radiographic Table

- Longitudinal floating of the table surface: ± 320 mm
- Horizontal floating of the table surface: ± 120 mm

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- Longitudinal floating of the under-table cassette: $\pm 230\text{mm}$
 - The under-table cassette can be loaded with various specifications of cassettes and detectors
 - Size dimensions: $2100\text{mm (L)} \times 750\text{mm (W)} \times 650\text{mm (H)}$



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