HIGH FREQUENCY MOBILE DIGITAL C-ARM SYSTEM

CCX16A, SKU: 3.5Kw

(3.5kw 63mA & integrated workstation)

PRESENTATION OF PRODUCT

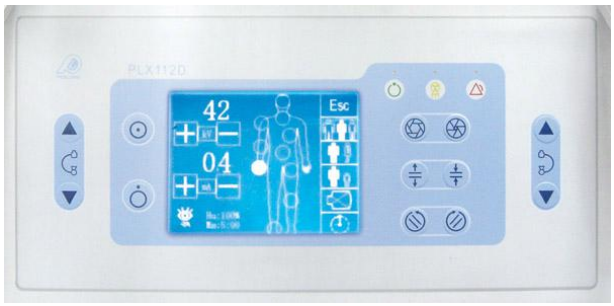
PRODUCT DESCRIPTION

Product Usage

PLX116A1 is a HIGH FREQUENCY MOBILE DIGITAL C-ARM SYSTEM

Orthopaedics: Osteopathy, Diaplasis, Nailing

Surgery: orthopedic, traumatology removing foreign body, implanting pace maker, partial radiography, local photography, and other work.



Configuration

1,	New (with electric auxiliary support arm) C-arm Frame	1unit
2,	High-frequency high-voltage X-ray generator and high-frequency inverter power supply	1unit
3,	24 inch integrated LCD, resolution 1920x1080	1unit
4,	9 Inch three view image intensifier (TOSHIBA)	1unit
5,	Megapixel ultra-low illumination digital camera, Camera pixel matrix description: 1024x1024	1unit
6.	Dense grid 40L / cm grid ratio: 8:1 focal length: 90CM	1unit
7,	Electric adjustable beam collimator	1unit
8,	Hand-held controller	1unit
9,	Digital acquisition and processing system	1unit
10.	Laser cross position	2 set

Features

1. High quality combined high-frequency and high-voltage X-ray generator, greatly reducing the X-ray exposure;
2. It has the function of automatic tracking of perspective kV and Ma, which makes the image brightness and clarity in the best state automatically;
3. The host operation interface of the human graphical LCD touch screen is adopted to make the operation more intelligent and convenient;
4. The design of the hand-held controller makes the operation of the instrument more convenient;
5. The 9-inch three field image intensifier is used, with stable and reliable quality and good image definition;
6. The megapixel ultra-low illumination digital camera is used, with clearer image;
7. Standard workstation and advanced image software processing technology make the image clearer, convenient for doctors' operation and diagnosis, standard DICOM interface and easy to link with hospital information system;
8. New frame design, small and beautiful appearance;
9. Realize the function of digital photographing, make the photographing operation more convenient and the image digital processing more efficient.

Product Specification

1、Monoblock Generator and X-ray tube
1.1 Dual Focus:0.6/1.8mm
1.2 Anode capacity：35.5kJ（47kHu）
1.3 Tube Heat capacity：650kJ（867kHu）
1.4 Power output：3.55kW
1.5 Inverter Frequency：≥40kHz
1.6Continous Fluoroscopy (Manual/automatic)
1.6.1 Tube voltage：40kV～110kV
1.6.2 Tube current：0.3mA～4mA
1.6.3 Automatic brightness tracking function
1.7Pulse fluoroscopy
1.7.1 Tube voltage：40kV～110kV
1.7.2 Tube current：0.3mA～8mA
1.8 Digital Radiography mode
1.8.1 Radiography：40kV～110kV
1.8.2 Radiography tube current：25mA～63mA
1.8.3 Radiography mAs：1.0mAs～125mAs
1.9 Beam limiter: Electric iris + linear symmetrical rotatable

1.10 Working environment conditions

1.10.1 Environment temperature ： 10°C—40°C

1.10.2 Relative humidity：30%—75%

1.10.3 Atmospheric pressure：700hpa—1060hpa

1.11 Operating power condition

1.11.1 Power supply voltage and phase number: single-phase 220V ± 22V

1.11.2 Power frequency：50Hz±1Hz

1.11.3 Internal resistance of power supply: no more than 1 Ω

2、 Imaging system

2.1 image intensifier: 9 ″ three field E5764SD-P3, center resolution 4.8lp/mm. DQE:65%

2.2 Ultra low illuminance, megapixel black and white progressive scanning camera pixel matrix description: 1024x1024

2.3 LCD: 24 inch integrated LCD, resolution 1920x1080, working frequency: 60Hz

2.4 image acquisition and processing workstation

2.4.1 Registration: Registration preservation, medical record query, worklist

2.4.2 Acquisition: start acquisition, prepare recording, reset, horizontal mirror, vertical mirror, window adjustment, magnifying glass, negative image, edge

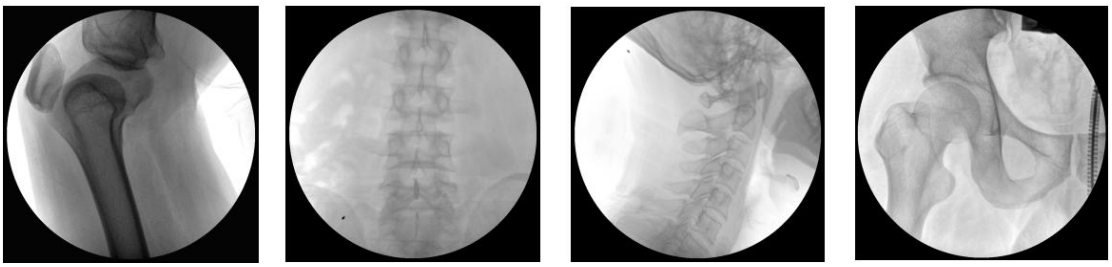
Edge enhancement, recursive noise reduction

2.4.3 Processing: four windows, nine windows, sharpening, horizontal mirror, vertical mirror, text annotation, length measurement

2.4.4 Report: save, preview, expert template

2.4.5 DICOM function: DICOM browsing, network service

Clinical images



3. Mechanical part

3.1 forward and backward movement: 200mm

3.2 rotation around horizontal axis: ± 180 °

3.3 rotation around vertical axis: ± 15 °

3.4 focal screen distance: 960mm

3.5 C-arm opening: 760mm

3.6 arc depth of C arm: 640mm

3.7 sliding along the track: 120 ° (+ 90 ° ~ - 30 °)

3.8 electric lifting of column: 400mm

3.9 guide wheel and main wheel: the guide wheel can rotate in any direction, and the main wheel can rotate ± 90 °

3.10. monitor on frame rotation ≥ 300 °

3.11 light thrust