



DIGITAL X-RAY U-ARM

Digital radiography C-arm with CCD detector

No cassette, no film, no chemistry,



The system is digital radiography system, the main components include high frequency radiography generator, Toshiba high capacity X-ray tube, CCD detector, U-arm X-ray tube and detector stand, radiographic wheel table and InvaRay digital imaging workstation

Network based InvaRay platform is the highlight of the system, it achieves system centralized control and automation, and also improves the image quality and system compatibility and scalability.

Nowadays, digital radiography is becoming one of the first priority equipment in a general hospital.

This system is high performance, versatile, smart and economical design of CCD DR System which is very easy for installation and occupies minimum space

Advanced Features:

Better Image Quality

14bit grey scale, information acquisition from skin to bone for 1 time exposure High resolution, more information

Smart Structure & Easy Installation

The X ray tube and CCD detector are integrated in the U-arm structure, which is more compact, easier for installation and operation.

Centralized Control & Easier Operation

Exposure control and image acquisition at Image Acquisition Workstation; Image processing and printing at Image Diagnostic Workstation

Non-film capability, CD / DVD archive



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STANDARD CONFIGURATION

High Frequency Generator: GFS501

H.F. inverter type	25 kHz
Power output	50 kW
Exposure voltage	40 kV to 150 kV 1 kV/step
Exposure mA	25 mA to 630 mA by step
Exposure time	2 ms to 5 s by step
Exposure mAs	0.5 mAs to 500 mAs
Power supply	380V 3 Phase

X-ray tube: TOSHIBA E7843X

Focal spot	Large focus 1.2 mm; Small focus 0.6 mm
Anode heat storage capacity	150 KHU
Target Angle	12°
Focal Power Output	20/46 kW

Collimator: XS1-2

Mode of Adjustment	Manual
Maximum Tube Voltage	150kV
Radiation Field \[Max SID = 65cm]	350mm X 350mm
Time Limit of the Light Source	> 60 s
External dimension	250 * 224 * 250 mm
Weight	9 Kg

DR radiographic mechanics SZ-9

U-arm vertical moment	1150 mm
SID	1100 – 1800 mm
U-arm rotation	-30° - 0 - + 90° - + 120°
Focal point to ground	< 550 mm

Radiographic table specification SC1-2

Table top length	1900 mm
Table top width	610 mm
Table top height	680 mm

CCD Detector XDS3000

Detector	full field, single CCD
Active image size	43 * 43 cm (17" * 17")
Element matrix	3.072 + 3.072
Number of pixels	9.400.000
Pixels size	140 µm
Bit depth	14 bit capture
Preview image display	less than 4 seconds

Digital image processing platform DSI-1000

Complete desktop PC with fast CPU
 LCD monitor of 22 "
 CD/DVD burning
 Software for acquisition and treatment

