Universal Digital Radiography System

UNO™

U-arm type digital radiography system UNO™ is designed for use in hospital emergency rooms, orthopedic and all general radiographic applications. Flexibility is what makes this system ideal for all examinations whether patients be standing, sitting or laying positions.

- Wide range of applications.
- All system movements are motorized.
- Detector rotation and standing motion.
- The long vertical lift allows easy handling for x-ray of the spine.
- U-arm column maintains constant alignment between the x-ray tube and image receptor, regardless of tilt position or image receptor angle.

Remote Auto Position System

Convenient remote positioning and fast acquisition of images with RAPS.
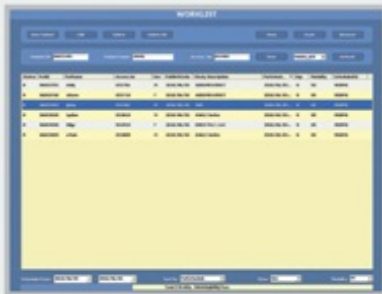
Touch screen panel (option)

Both Touch screen panel and button panel are possible depending on your needs and budget.

Mobile table

In combination with acryl top mobile table UNO™ is a very efficient solution for emergency or basic purposes rooms. The U design accommodates table for easy patient positioning.

Software

Our Program, Workstation for digital radiography system, fully conforms to DICOM3.0 international standards, and the acquired high resolution digital images are immediately sent to PACS network, or laser camera for film printing.

Stitching Program (option)

Whole body or long leg technique etc.(max. 5 images)
- Automatic Stitching.
- Manual Stitching.

- Easy to use and easy to learn.
- Patient registration and supporting work-list.
- Image processing modes for different studies.
- DICOM transfer.
- Image manipulation: Window level, Zoom, Pan, Crop, Invert, Rotation, etc.
- Database: Query, Convert/ Export, Insert and Archive, Print, Reset, Delete, Swap and Configuration.

System Component

| Generator | X-Ray Tube | U-Arm Stand | Detector | Mobile Table | Collimator | Software (Computer & Monitor) |

Technical Specification

Generator

Description	Generator(40kW)	Generator(50kW)	Generator(65kW)
Max. power	40 kW	50 kW	65kW
Power. Output	80kVA - 500mA / 125kV - 320mA	70kVA - 630mA / 150kV - 320mA	75kVA - 800mA / 100kV - 500mA / 150kV - 400mA
mA Range	10 - 500 mA	10 - 630 mA	10 - 800mA
KVP Range	40 - 125 KVP	40 - 150 KVP	40 - 150KVP
Line Power	220V ±10%, 50/60 Hz Single Phase	380V ±10%, 50/60 Hz Three Phase	380V ±10%, 50/60 Hz Three Phase

X-Ray Tube

Description	E7239X	E7252X	DIAMOND(RAD-14)
Max. Voltage	125KVP	150KVP	150KVP
Filtration	0.9mmAl	0.9mmAl	0.7mmAl
Type	Rotating Anode	Rotating Anode	Rotating Anode
Max. Heating Unit	140KHU(98KJ)	300KHU(210KJ)	300KHU(212KJ)

U-Arm Stand

Line Power	200~240V, 50/60Hz ±10%
All Movement	Auto
Tube Movment	560mm
Detector Device Movment	240mm
Up/Down Movment	1090mm
ARM Rotation (Based on the right horizontal)	-120°+ 30°
Detector Rotation (Based on the right horizontal)	±45°
Dimensions(DxWxH)	1235x1000~1800x1998mm

Detector

Detector Type	Flat Panel Detector
A/D Convert	14bit
Input Power	AC100~240V ±10% 50/60Hz
Pixel	2560~3072 ×2560~3072
Pixel Pitch	143~168 ×143~168 μm

Mobile Table

Top Panel Size	2000x735mm ±10%
Wheel	Lock and Unlock

Collimator

Max. Voltage	150KV
Filtration	1.5mmAl
Max. Field(SID 65cm)	35x35 cm more
Min. Field(SID 100cm)	5x5 cm less
Illumination(100mm)	160Lux more
Lamp Operating Time	30sec ±5%

Software(Computer & Monitor)

OS	Windows XP PRO more
CPU	Pentium 4, 3.2GHz more
RAM	2GB more
HDD	500GB more
LCD	19 Inch more
Pixel	1,280 ×1,024

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