medisonECONEt

integration imaging information

C-ARM System

Technical Specification

(KMC-950)

7260 NW 58th Street, Miami, FL. 33166
Tel +1 305 599 7161 / Fax +1 305 599 7144
www.medisonECONET.com / info@medisonECONET.com

X-ray Tube

Type	Rotating Anode
Max.kVp	125kVp
Heat capacity	300,000HU
Housing Heat Storage Capacity	1,600,000HU
Focal Spot	0.3mm / 0.6mm
Target Angle	10°
Filtration	0.5mm Al. @ 100kV

High Frequency Generator

Type				Hight Frequecy Inverter	
Power Output(kW)				12.5kW	
Inverting frequency				20Hz	
Fluoroscopy mode	Continue (Normal mode)			40-125kV(1 Step)	0.5-5mA (0.1 Step)
	Pulse	Multi mode	Rate(1,2,3,4,5/sec)	40-125kV(1 Step)	0.5-5mA (0.1 Step)
		Snap mode	Rate(30/sec)	40-125kV(1 Step)	8mA (Fixed)
		Boost mode	Rate(30/sec)	40-125kV(1 Step)	20mA (Fixed)
ABS				Auto Brightness system on Fluoroscopy mode of operation	
Radiography Mode			kV range	40-120kV(1 Step)	
			mA range	20mA, 100mA, 150mA	
			mAs range	0.4 - 500 mAs	
Exposure Time	Fluoroscopy Mode			0.0 to 5.0 min	
	Radiography Mode			3.0ms to 8.0sec	
Controller				Microprocessor & program	

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Image Intensifier

Type	High Definition Type
Input Field Size Diameter	9" triple field
Resolution (lp/cm)	56, 62, 70
Contrast Ratio (10%)	36:1, 36:1, 36:1

TV Camera Type

	1K CCD Camera
Type	2/3" CCD Camera
Number of Pixels	1024(H) x 1024(V)
A/D-conversion	14bit
Signal system	16bit digital signal
Memory	99frame (store 35,000)
Monitor	19"TFT LCD 2 monitors
LIH Image Rotating	Yes
Image reverse	Hor / Ver

Collimator

Iris Collimator (standard)
Virtual Collimator (option)

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C-arm

SID	1000mm	
Orbital rotation	135° (90° / 45°)	
Horizontal travel	200mm	
Vertical travel	500mm	
Panning motion(wig-wag)	±12.5°	
Pivot rotation	±180°	
Reverse position	Yes	
Cassette holder size	10" x 12"	
Cross	Yes	
Basic Function	Digital Imaging System	DIS Program
		PACS, CD BURN, Patient management
		Image W/L, LIH Image Rotate
		99 Frame Memory (35,000 pictures)
	Laser marker	
	APR	
Option	Digital Subtraction Angiography	Frame rate : MAX 25frame / sec
		Total DSA time : 6-7sec
		Total frame : 180 frame
		Output : AVI or DCM
Power requirements		1 phase, 220V, 50/60 Hz

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