

X-Ray HF 3960

High Frequency Digital Ceiling Suspended X-ray Machine



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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Flexible high efficient Multi-dimensional movement

Ceiling suspended frame covers a widely exposure area
Multi-dimensional moveable bucky stand for various radiography placements



User-friendly design, Fast operation



X-ray tube horizontal rotation

The LCD display will remain easy-to-observe perspective both on standing and lateral position



X-ray tube vertical rotation

X-ray tube 360o rotation to meet the position you need



LCD touch screen combine with the button on x-ray tube

Both the LCD touch screen and buttons control the fully automatic motorized movement widely used for standing and lateral position



LCD touch screen on bucky stand, one button positioning

One button positioning function to realize the linkage between hest stand tube head



Be In Right Place
At The Right Time

Standing position



Lateral position



Lying position



Oblique position



High speed high quality x-ray tube assembly



High speed high performane ray tube assembly

Oue55kw- 100kw generator providdes the right amount of penetration, reduing exposure times and retakes.



Human graphic touh screen operation design, digital intelligent ontrol system.

Synchronized panel with intuitive user interface and APR parameter setting, make the exposure control at your hand all the time

Excellent imaging system



A-si Flat Panel Detector

1. Adopts advaned manufacturing tehniqe, with perfet stability.
2. Active area:17" meets various radiography needs.
3. Gigabit network connect with DR detector make the image acquisition conveniently and safely

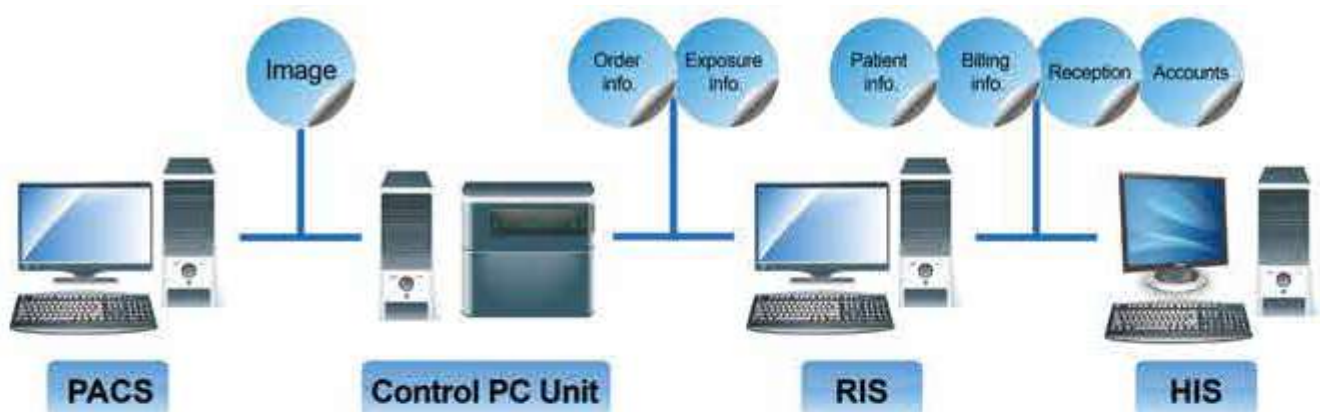


Dual workstation (optional)

1. Acquisition and processing o-operation, gratly speed up the workflow.
2. Adopts international advaned medical image processing technology, perfet DR image processing function.
3. High resolution medical monitor make the sharp image.

Digital network seamless link (optional)

Diom 3.0 network interface for integration linial network, PAS and RIS.



Creative Internet of things technology (optional)

Manufacturing tehniial resoure provides users the best support, realizes remote control and upgrades.



Technial Parameters

Item	HF 3960A	HF 3960B	HF 3960C	HF 3960D
Power Output	55KW	71KW	85KW	100kW
Dual-focus	0.6/1.2	0.6/1.2	0.6/1.2	0.6/1.2
Inverter Frequency	60kH	60kHz	50kHz	50kHz
Photography	Tube Voltage	40-150KW	40-150kV	40-150kV
	Tube Cunnent	10mA-630 mA	10mA-300mA	10mA-1000mA
mAs	0.1-630mAs	0.1-630mAs	0.1-630mAs	0.1-630mAs
Pixel	200 micron	200 micron	200 micron	200 micron
Grey scale	12 bit	12 bit	12 bit	12 bit
A/D	14 bit	14 bit	14 bit	14 bit
DQE at 0lp/mm or 0.5lp/mm	65%	65%	65%	65%
Anode heat storage capacity	300 KHU	300KHU	300KHU	300KHU
Pixel Size	3K*3K	3K*3K	3K*3K	3K*3K
Source to Image Distance	150cm(vertical),180 m(horizontal)			
Inherent filtration	1.00mm Al	1.00mm Al	1.00mm Al	1.00mm Al
TFT / LCD Monitor	17"	17"	17"	17"

Features

- Semi Conductor material (Photodiode) : Amorphous Silicon.
- Charge Read Out : Thin Film Transistor (Array) (TFT Array).
- Detector Size : 50 cm x 50 cm
- Array Size: 2000x2000 pixel
- Pixel Pitch :0.2 mm
- Image depth : 14 Bits
- Detector Quantum Efficiency (DQE) : 65%
- Tube assembly movements to be automatically synchronized with both the Horizontal and vertical detectors movement.
- Viewing angles (H, V): 170 Deg
- Four way floating horizontal table top of equivalent to carbon fibre.

X-Ray Table

- Motor driven, adjustable height floating top compact bucky table with digital flat panel detector.
- Mention range of vertical, horizontal and longitudinal movements of the table.
- Removable grid for SID of 100 cms for horizontal table applications.
- Maximum patient weight - 200 kgs
- Table Top length: 200
- Foot switches for – adjusting height, longitudinal/side to side movements, locking.
- Automatic detector alignment

Vertical Stand

- Vertical movement: Motorized with foot switch facility.
- The vertical movement to be servo coupled to the movement of the X-Ray
- Tube(simultaneous movements).
- Standard removable focus grid (minimum two) and Grid Ratio of 12:1
- Tilting vertical detector facility should be available from -20 to +90degrees.
- Maximum height from the floor to the centre of detector should be more than 175 cm.

X-Ray Tube

- Rotating anode,high speed 8000 rpm or more , compatible with generator and must have dual focus Focal spots of following sizes- Large-1.2mm or less Small 0.6 mm or less.
- Anode Heat storage capacity 300 KHU

Accessories

- A. Dry Chemistry Camera having 500 DPI and print at 3 sizes of films: 8x10, 14x17, 10x12 or 11x14 inches. 200 films of each size.
- B. Online UPS along with batteries of 30min
- C. Zero lead aprons (0.25mm Lead equivalent) with hangers
- D. Stand for lead aprons

Regulatory compliances



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2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

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