

X2200 SERIES

DIGITAL RADIOGRAPHY



* Please note: Product may not be exactly as illustrated.


imagingdynamics.com

Visit imagingdynamics.com for more information on the X2200 Series.

X2200 SERIES

PRODUCT SPECIFICATIONS

CHOOSE YOUR DR TECHNOLOGY:

XPLORER IMAGING DETECTOR SPECIFICATIONS

Detector Array	Full field, single VHD CCD
Active Image Size	43 cm x 43 cm (17" x 17")
Pixels	4,128 x 4,128 (16 Megapixel)
Pixel Size (element pitch)	108 microns
Spatial Frequency (Nyquist)	4.6 lp/mm
Bit Depth	14 bit capture
Fill Factor	100%
AEC	3 field
Preview Image	Less than 5 seconds
Processed Image Display	Approximately 10 seconds
Acquisition Cycle Time	Immediately upon display of previous image
Imaging Detector Weight	75 kg (165 lb)

X3C IMAGING DETECTOR SPECIFICATIONS*

Detector Array	Full field, single VHD CCD
Active Image Size	43 cm x 43 cm (17" x 17")
Pixels	3,072 x 3,072 (9 Megapixel)
Pixel Size	144 microns
Spatial Frequency	3.4 lp/mm
Bit Depth	14 bit capture
Fill Factor	98%
AEC	3 field
Preview Image	Less than 5 seconds
Processed Image Display	Approximately 10 seconds
Acquisition Cycle Time	Immediately upon display of previous image
Imaging Detector Weight	75 kg (165 lb)

*FDA Clearance Pending

STANDARD SYSTEM FEATURES:

CEILING TUBE SUSPENSION

- Integrated vertical SERVO
- Programmable positioning
- Fully automated
- Manual override

X-RAY TUBE

- Rotating Anode 12° High Speed
- Dual Focal Spots:
 - High Speed Small Focus 0.6 mm
 - High Speed Large Focus 1.2 mm
- 150 kVp; 400 KHU
- 40kW
- 102kW

GRID

Ratio	13:1
Frequency	70 lines/cm
Type	Stationary, removable
Focal Distance	2 x 100 cm (40") & 1 x 180 cm (72")

UPRIGHT STAND FUNCTION SPECIFICATIONS

Vertical travel (motorized) (minimum to maximum height)	34 cm (13.5") to 156 cm (61") at the centre of the imaging area
Horizontal swing travel (manual)	180°
Detector head rotation (motorized)	0 - 90° (left or right handed)
Operator Controls	Wireless infrared remote
Dimensions (L x W x H)	48 x 48 x 201 cm (19 x 19 x 83")
Vertical Stand Weight	340 kg (748 lb)

TABLE SPECIFICATIONS

Table top dimensions (L x W)	94.5" x 29.4" (240 x 74.7 cm)
Table top float dimensions (+/- from the table centreline)	Longitudinally 31.5" (80 cm) Laterally 5.9" (15 cm)
Table base dimensions (L x W)	11.2" x 11.2" (28.5 x 28.5 cm)
Vertical table travel (minimum to maximum height)	22.0" to 36.8" (55 to 92 cm)
Patient Weight Capacity	200 kg (440 lb)
Electrical Requirements	110-240 VAC, 16A, 50/60Hz

Vertical travel, brakes and table float are controlled from the foot pedal located at the base of the table. There are siderails on the tabletop to accommodate any accessories.

GENERATOR

- High Speed Rotor Controller
- 80kW, 1,000 mA
- Automatic Exposure Control

COLLIMATOR

- Manual Collimator
- Bucky Centering Light with Laser

MODALITY WORKSTATION

Typical hardware configuration:

- Computer: Pentium 4 Processor 3.2 Ghz, 2 GB RAM, 150 GB SATA RAID 1
- Monitor: 1600 x 1200 color flat panel display
- Ethernet 100 / 1000 mbit/s

Advanced image processing functions include

- Automatic Shuttering
- Image Contrast Enhancement (ICE)
- Sharpening
- Tissue Equalization

ACCUTECH EXPOSURE MONITORING SOFTWARE

Assists the Technologist in capturing correct exposures by providing instant technique feedback on every image.

DICOM 3.0 FUNCTIONALITY

- Print SCU
- Modality Worklist SCU/SCP
- MPPS SCU/SCP
- Storage SCU

OPTIONAL ACCESSORIES

- Orthopedic Software
- Selectable Resolution
- Weight Bearing Stand
- Ceiling Tube with 5-Way Servo
- DICOM Worklist
- Generator
- Motorized Collimator



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11/06, V. 2.0