

X-SERIES DR TECHNOLOGY

1600



Visit imagingdynamics.com for more information on the 1600 X-Series.

*Series shown with optional Carbon Fibre Patient Table. Product may not be exactly as illustrated.

X-SERIES DR TECHNOLOGY

1600

Choose Your DR Technology:

X4C IMAGING DETECTOR SPECIFICATIONS

| | |
|-------------------------|------------------------------|
| Detector Array | Full field, single VHD CCD |
| Active Image Size | 43 cm x 43 cm (17" x 17") |
| Imaging Pixels | 4,096 x 4,096 (16 Megapixel) |
| Pixel Size | 108 microns |
| Nyquist Resolution | 4.6 lp/mm |
| Bit Depth | 14 bit capture |
| Fill Factor | 100% |
| Preview Image | Approximately 5 seconds |
| Processed Image Display | Approximately 10 seconds |
| 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") |
| Imaging Pixels | 3,072 x 3,072 (9 Megapixel) |
| Pixel Size | 144 microns |
| Nyquist Resolution | 3.4 lp/mm |
| Bit Depth | 14 bit capture |
| Fill Factor | 100% |
| Preview Image | Less than 5 seconds |
| Processed Image Display | Approximately 10 seconds |
| Imaging Detector Weight | 75 kg (165 lb) |

Standard System Features:

U ARM STAND

| | |
|---------------------------------|--|
| Maximum focal distance to floor | 167.5 cm (66") |
| Minimum focal distance to floor | 48 cm (19") |
| Rotation of the arm | 150° |
| Detector angulation | 45° CCW and 25° CW |
| Allowable table dimensions | H 57-86 cm (22.5" - 34"), W 70.5 cm (28"), L 216 cm (85") |

- Variable source to image distance movement fully motorized with automatic stops at SID distances of 100 cm (40") and 180 cm (72")
- Motorized vertical movement with automatic detent at the exact table top height, allowing fast and easy positioning for the table
- Fully motorized rotating movement
- Automatic stand positioning from table to chest positions
- Intelligent anti-collision system

X-RAY TUBE

- Rotating Anode 12° High Speed
- Dual Focal Spots:
 - High Speed Small Focus 0.6 mm 40kW
 - High Speed Large Focus 1.2 mm 80kW
- 150 kVp; 600 KHU

COLLIMATOR

- Manual Collimator
- Bucky Centering Light with Laser

GRID

| | |
|----------------|-------------------------------|
| Ratio | 13:1 |
| Frequency | 70 lines/cm |
| Type | Stationary, removable |
| Focal Distance | 180 cm (72") and 100 cm (40") |

GENERATOR

- 64kW, 640 mA
- Automatic Exposure Control (3 field)
- High Speed Rotor Controller

TECHNOLOGIST WORKSTATION

- Each high speed computer configuration includes:
- Magellan 3 Worklist software with TouchScreen compatibility
 - PureView - adaptive image processing algorithms
 - Flat panel monitor - 1600 x 1200 resolution
 - DICOM 3.0 functionality
 - Compatible with all major PACS - images can be in CR or DX format
 - VIPER - Visual Parameter Editor for image optimization
 - Intuitive AccuTech Exposure monitoring software

POWER REQUIREMENTS

| | |
|--------------------------|-----------------------------------|
| 1600 Stand | Dedicated 230V ±10%, 20A, 55/60Hz |
| Generator | 3ph. 380/480V |
| Technologist Workstation | 110 – 250V, 10A, 50/60Hz |

OPTIONAL ACCESSORIES

- Weight Bearing Stand
- DICOM Worklist
- Patient Tables (Fixed, Mobile, Elevating or Float-Top)
- Orthopaedic Software
- Selectable Resolution (X4C only)

