

X-SERIES DR TECHNOLOGY

1600 PLUS



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

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

X-SERIES DR TECHNOLOGY

1600 PLUS

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	Approximately 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 detect 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 of the table
- Automatic stand positioning through integrated software
- Infrared remote control for stand and collimator positioning
- Intelligent anti-collision system
- LED angle indicator for arm positioning
- Touchscreen Technology

GENERATOR

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

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")

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

OPTIONAL SOFTWARE & ACCESSORIES

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

