

X-SERIES DR TECHNOLOGY

1590



Visit imagingdynamics.com for more information on the 1590 X-Series.

*Series shown with optional table and CTM. Product may not be exactly as illustrated.

X-SERIES DR TECHNOLOGY

1590

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:

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	Remote control or manual switches on Imaging Detector
Dimensions (L x W x H)	48 x 48 x 201 cm (19 x 19 x 83")
Vertical Stand Weight	340 kg (748 lb)

GRID

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

POWER REQUIREMENTS

1590 Stand	Dedicated 240V, 15A, 50/60Hz
Technologist Workstation	110 – 250V, 10A, 50/60H

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

OPTIONAL ACCESSORIES

- Generator
- Orthopaedic Software
- Weight Bearing Stand
- Patient Tables (Fixed, Mobile, Elevating or Float-Top)
- X-ray Tube / Tube Stand / Collimator
- DICOM Worklist
- Selectable Resolution (X4C only)

