



imaging dynamics

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X P L O R E R 1 5 0 0 TM



XPLORER 1500™

PRODUCT SPECIFICATIONS

The Xplorer 1500 Digital Radiography System is IDC's patented digital radiographic system combined with an economical vertical stand that is ideal for all routine chest and upright examinations.

The Xplorer 1500 can be positioned for standing views with the single push of a button.

The Xplorer 1500 controls are easy to use enabling simple patient positioning.

The Xplorer 1500 allows patients to be imaged from head-to-toe.

Built on our revolutionary detector technology, the Xplorer 1500 is the industry's most cost-effective solution for digital radiography. Combine this with the full range of the vertical stand and it is an affordable and reliable cassetteless system that produces high-resolution diagnostic images in seconds dramatically improving patient throughput and departmental efficiency.

SPECIFICATIONS

Detector array	Full field, single CCD
Active image size	43cm x 43 cm (17 in x 17 in)
Element matrix	4,128 x 4,128
Number of pixels	17 Million
Pixel size (element pitch)	108 microns in both the x and y direction
Maximum Spatial frequency	4.6 lp/mm
Bit depth	14-bit capture
Fill factor	100 per cent utilization
AEC	3 field ionization chamber device-operator adjustable
Preview Image	less than 7 seconds
Processed Image Display	between 7 to 15 seconds
Acquisition cycle time	Immediately upon display of previous image
SID	Variable
Pixel Optimized Dose	User selectable spatial and dose performance

GRID

Ratio	13:1
Frequency	70 lines per cm
Type	Stationary, removable
Focal Distance	180 cm (72 in) (included) or 100 cm (40 in) (optional)

ERGONOMICS

Vertical travel (minimum to maximum height)	43 cm (17in) to 175 cm (69in) at the center of the imaging area
Movement	Manual - fully counterbalanced
Brake	Single button brake release located on both sides
Operator Controls	Located on both sides of the stand
Dimensions LxWxH	74 x 74 x 210 cm (29 x 29 x 84in)
Detector Weight	75 kg (165 lb)
Vertical Stand Weight	181 kg (400lb)

ENVIRONMENTAL CONDITIONS

Temperature	10 - 30°C (50-86°F)
Humidity (non condensing)	30 - 70 percent

POWER REQUIREMENTS

Xplorer 1500	Dedicated 110-250 volts 15 amps, 50/60 Hz
Technologist Workstation (User Interface)	110-250V auto sensing, 1.5A, 50/60Hz

REGULATORY COMPLIANCE

CAN/CSA C22.2 No. 601.1	EN 60601-1	ISO 9001:2000 certification
FDA 510(k)	IEC-60601	ISO 13485:1996 certification
UL 60601-1		

NETWORK INTERFACE

Ethernet 10/100/1000 mbit/s

TECHNOLOGIST WORKSTATION

Minimum hardware configuration:

Computer:

- Pentium 4 Processor 3Ghz
- 1 GB RAM
- Dual RAID 80GB H/D

Monitor:

- 1200 x 1600 Color Display
- Flat Panel

Advanced image processing functions include:

- Tissue Equalization
- Sharpening
- Image Contrast Enhancement
- Segmentation
- Shuttering
- Pixel Optimized Dose (optional)

DICOM 3.0 FUNCTIONALITY

- Print Management
- Modality Worklist
- Modality Performed Procedure Step
- Storage Class User

OPTIONAL ACCESSORIES

- X-ray Generator
- X-ray Tube/Tube Stand/Collimator
- Split Panel Mobile Curtain



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D I G I T A L R A D I O G R A P H Y M A D E S I M P L E