

# AR-7500A

## Digital Radiography System (DR)



### Features

- 50Kw high power, high frequency and high voltage generator and high thermal capacity tube
- Imported famous brand electronic components and chips; Strictly follow the GMP production quality management standard
- The original BGD sequential interconnection image acquisition system with the powerful image algorithm independently developed by the R&D team
- Capable of high KV photography
- Remote examination in compartments
- Remote PACS interconnection
- Remote maintenance and parameter calibration
- The image post-processing function is powerful



## Product performance and parameters

Project	Model	Features and Performance
High Voltage Generator (MOS Technology)	DTXR-50	Input: 110v/220v/380v, Output power: 50kw, Inverter frequency >300KHz, Tube Current:10~600mA, Current time product: 1mAs~500mA, Tube Voltage: 40~125KV, Can be directly connected to the network cable remote control for remote fault diagnosis and maintenance.
X-ray tube (CANON)	E7242X	Dual-focus 0.6mm/1.5mm, power 20/46KW, maximum current 500mA, maximum voltage125KV, Heat storage capacity 200KHU.
Flat Panel Detector	1800L	Strontium iodide amorphous silicon panel. Pixel matrix > 3072 x 3072; Imaging area: 430x430mm" Pixel size: 140μm, Spatial resolution: 3.5Lp/mm, AD conversion 16bits; MTF:> 60% @1lp/mm> 20% @3lp/mmDQE:(@RQA5, 30μGy)>65% @0lp/mm >20% @3lp/mm Dynamic Range: >80dB Imaging time: The output time of the original image is less than 3 seconds, and the post-loading software processing should be about 8 seconds.
Photograph Bed	SYC-2	Detector longitudinal motion range: 1000mm, Table lateral movement 180 mm. Bed panel material: polycarbonate polymer panel, Mechanical Motion Control: Manual electromagnetic lock. SID1000mm, Korean vibrating grid.
Tube stand	ZJ-1	The X-ray tube assembly moves up and down no less than 900mm; Longitudinal movement is not less than 1800mm; X-ray tube rotates along the horizontal axis $\geq \pm 180^\circ$
Collimator	XSQ-1	The total number of deviations between the sides of the ray radiation field and the respective sides of the light field does not exceed 3% of the distance from the field plane to the focal point. The sum of the deviations of the two axes should not exceed 4% of the indicated focal point to the detector plane.
Photograph Stand	SYJ-1	Detector activity: Vertical movement no less than 900mm; SID1800mm, Korean vibrating grid
DR Image Processing Software Workstation	DR	BGD Sequential Interconnection Acquisition Software, DICOM3.0 standard, pre-selection of projection site; preset image brightness/contrast, window width/window position; organization equalization technology preset; image enhancement and sharpening technology preset; image segmentation, transmission, printing, etc. Can be connected with PACS system.

Computer Host DELL	2011	CPU 2GHz or more, memory > 4G hard disk > 2000G, can store pictures in large capacity
Professional Diagnostic Display	ML2002	Size: 21.3"; Type: Monochrome; Mpixel:2MP; Resolution: 1600x1200; Max Brightness: 1900cd/m <sup>2</sup> ; Grayscale tone:16bit.
Remote Box		Can be remote controlled tube stand and photography frame, suitable for large-size chest X-ray examination
Operation display		Size: 19"; Brand:Dell

