

# Floor-mounted DR System

## 6600 Series

### Product Specification

Ver 1.0



## 1. Configuration

No.	Name of Component	Model	Qty.
1	X-Ray Generator	Focus-01	1
2	X-ray Tube	Super-18	1
3	Digital flat panel detector	Wiser-13	1
4	Wall stand assembly	S-5600	1
5	Fixed exam table with 4-way floating and electric lifting assembly		1
6	Automatic Tracking Module	Std.	1
7	Digital Image Acquisition and Processing System	i-VisionDR	1
8	Imaging Station	Std.	1
9	Collimator	C-300	1
10	Grid	Std.	2
11	Communication Interactive System	Std.	1
12	Remote administration maintenance system	Std.	1
13	Tube Terminal Interactive PAD Assembly	Std.	1

## 2. Specifications

No.	Description
1	<p><b>X-Ray Generator</b></p> <p>a) Rating output power: 50kW</p> <p>b) Inverter frequency: 25KHz(±10%)</p> <p>c) Tube voltage range: 40 ~ 150kv</p> <p>d) Current output range: 10 ~ 630mA</p> <p>e) Time of exposure: 1ms~6.3s</p> <p>f) Current &amp; Time range: 0.1 ~ 630mAs</p> <p>g) AEC: Support AEC system with 3 chambers</p> <p>h) Exposure mode: Manual and Automatic</p> <p>i) Power requirement: 380VAC, 50Hz</p>
2	<p><b>X-Ray Tube</b></p> <p>a) Focal spot: 0.6mm/1.2mm</p> <p>b) Focal power: 27kW/75kW</p> <p>c) Tube voltage range: 40~150kV</p> <p>d) Anode Heat Capacity: 300kHU</p> <p>e) Anode target angle: 12°</p> <p>f) Rotary anode: 9700 rpm</p> <p>g) Protection device: Oil pressure protection</p>

3	<b>Digital Flat Panel Detector</b>
	a) FPD Type: a-Si/CsI
	b) Image Area: 17×17 inch
	c) Dimensions (L x W x H): 460mm x 460mm x 15.1mm
	d) Weight: 4.65kg
	e) Effective size: 430mm x 430mm
	f) Pixel matrix: 3072 x 3072
	g) Pixels size: 139 microns
	h) DQE: 52%
	i) Resolutions: ≥3.6lp/mm
	j) Pixel fill factor (%): 100%
	k) Data output: wireless
	l) Frequency range of wireless signals: 2.4G and 5G
4	<b>Wall Stand Assembly</b>
	a) Size of wall stand tray: 17 x 17 inch
	b) Length of wall stand tray along column: 1100mm
c) Control mode: Manual/Automatic	
5	<b>Fixed exam table with 4-way floating and electric lifting assembly</b>
	a) Height range: 685mm
b) Length: 2100mm	

	c) Width: 800mm
	d) Four-way floating tabletop
	e) Foot pedal operated tabletop float
	f) Patient table movement range (Front & Back): 250mm ( $\pm 125$ mm)
	g) Patient table movement range (Left & Right): 800mm ( $\pm 400$ mm)
	h) Range of table-Bucky floating: 620mm
	i) Tube rotation angle range: $\pm 90^\circ$
	j) Tube column rotation range: $\pm 180^\circ$
	k) Tube column moving range along bed: 1400mm
	l) Tube vertical movement range: 1000mm
<b>6</b>	<b>Automatic tracing module</b>
	a) Tracing mode: Two-Terminal synchronous motor driving
	b) Automatic tracing the wall stand and the table detector along the vertical and horizontal axis.
<b>7</b>	<b>Digital imaging acquisition and processing system</b>
	a) Patient Data Management: Checking information registration, Preservation, Setup, Appointment, Inquiry, etc.
	b) Inspection management: System parameter setting, Exposure, Collection image, Automatic image processing, etc.

	<p>c) Browsing image: Select image, Process image (Clipping, Scaling, Grayscale adjustment, Rotation, Flip, Tag, Layout, etc..)</p> <p>d) Image processing: Enhance Image, Balance, Organization Reduce Noise, Stretch Gray</p> <p>e) Output image: Support Laser Printer /Laser Camera, DICOM Interface and Disk, etc.</p> <p>f) Database Management: Delete/Count/Edit/Copy /Restore</p> <p>g) Others: Detector calibration, Fault Reporting Function, Worklist module, Dynamic Password Maintenance, Report Writing and Printing</p>
<b>8</b>	<b>Imaging Station---Operator Console</b>
	a) Operating System: Win10
	b) LED monitor
	c) CPU: Intel G Processor
	d) Hardware Storage: 500G
	e) Network Card: Gigabit Ethernet Controller
<b>9</b>	<b>Collimator</b>
	a) Manual multi-page collimator with field of view indicator function
	b) Brightness: $\geq 160$ Lux at Focal Distance of 100cm
	c) Automatic shutdown time: $30 \pm 1$ s

	d) Max X-Ray Area: 43cm X43cm (SID = 100cm)
	e) Al Filtered (75 KV): 1.0 mmA
10	<b>Grid</b>
	a) Qty.: 2pcs
	b) Application: Placed in the Bucky for horizontal inspection.
	One Reciprocating Grid Provided: 10:1
	Size: 18i×18 inch
11	<b>Communication Interactive System</b>
	a) Two-terminal voice conversation
	b) Volume adjustable, Transmission and Acceptance controlled
12	<b>Remote Administration Maintenance System</b>
	a) The Service Center of Lanmage is able to remotely docked to monitor hospital' s terminal equipment, checking the current operating status of the equipment in real time.
	b) Remote software upgrade and trouble shooting
13	<b>Tube Terminal Interactive PAD Assembly</b>
	a) 9.7inch large LED touch screen
	b) Exposure indicator of permission identification
	c) Generator exposure parameters display: KV, mA, MS, MAs

	d) Checking patient information: Name, ID Number, Inspection Position
	e) 3D Patient placement guided
	f) Fault tips display