

NeuViz 16 Classic Multi-slice CT Scanner System

Standard Configuration

Components	Description
Gantry	1 no.
Low voltage Slip-ring rotating gantry	
28 KW High Voltage Generator	
4M Dual focus oil-cooled tube	
High sensitivity Solid-state 32-row Detector	
Patient Table	1 no.
Operating Console	1 no.
23ö LCD Monitor	
3D Software Packages	1 no.
Accessories	1 no.
Couch accessories box	
One set of phantoms and maintenance tools	
Tool box	
Arm-Head Cushion	
QA Phantom	

Technical Specification

Component Performance

Item	Specification
Gantry	
Detector No./type	608×32 channels; GOS solid state
Scanning time	0.78s, 1s, 1.5s, 2s,(360°rotation)
Collimation Slice thickness	16X1.25mm,16X0.625mm; 8X0.625mm,4X0.625mm,2X0.625mm
Gantry tilt	±30°
Gantry aperture	700mm
X-ray tube	
Max. Heat capability	4.0MHU
X-ray generator	
Powering rate	28 kW
Patient couch	
Vertical movement range	43-97 cm
Horizontal movement range	0-1550 mm
Max. scan range	1450 mm
Max. Load capacity	205Kg
Operator console	
FOV	50-456mm
Reconstruction matrixes	512×512,768×768, 1024×1024
Display matrixes	1024×1024
Reconstruction speed	Up to 12 images/second
Monitor	23 LCD

System Performance

Item	Specification
Scan mode	Surview scan, axial scan and spiral scan
Axial scan: Scan time	0.78s, 1s, 1.5s, 2s (360°rotation)
Spiral scan: Scan time Range of pitch	0.78s, 1s, 1.5s, 2s (360°rotation) 0.36 1.5
High contrast spatial resolution	15 lp/cm@ 0%MTF
Low contrast resolution	4.0 mm@0.3%

software package	<ul style="list-style-type: none"> – 3D SSD – VR (Volume Rendering) – Maximum Intensity Projection (MIP) – Minimum Intensity Projection (MinIP) – Multi-Planer Reconstruction (MPR) – Curved MPR (CPR) – Auto Voice – Auto Film – CT Angiography (CTA) – Virtual Endoscopy (VE) – Pediatric protocols – ClearView
DICOM3.0 compatible	Yes
Power requirements	
Power capacity	50 KVA
Voltage	3-phase : 380V±10%
3-phase imbalance	≤5%
Frequency	50Hz /60Hz± 1Hz
Power GD.	Power ground independent grounding system impedance $\leq 4 \Omega$, or integrated grounding system impedance $\leq 1 \Omega$
Environmental requirements	
Temperature of scanning room	18 ~24°C with variation $\leq 5^\circ\text{C}/\text{hour}$
Humidity of scanning room	30% ~60%(Non-condensing)
Temperature of operation room	18 ~28°C with variation $\leq 5^\circ\text{C}/\text{hour}$
Humidity of operation room	20% ~80%(Non-condensing)
Atmospheric pressure	70kPa~106kPa
Temperature of transportation and storage	-20 ~+55°Cwith variation less than $10^\circ\text{C}/\text{hour}$
Humidity of transportation and storage	10% ~90%(Non-condensing)