

ANKE - The Reliable Medical Equipment Manufacturer



ANATOM 32 Fit



ANATOM 32 Fit Multi-slice Spiral CT Scanner Specifications

No.:	Technical features	Descriptions
1	Gantry	
1.01	Gantry type	Low voltage slip-ring
1.02	Gantry driven type	Strap-driven
1.03	Patient opening	70cm
1.04	Gantry tilt mode	Digital gantry tilt
1.05	Digital tilt capability	±50°
1.06	Detector type	OptiWave rare-earth ceramic detector
1.07	Numbers of detector rows	16
1.08	Width of Z-axle detector	20mm
1.09	Detector columns of channels per row	848
1.10	Numbers of detector columns	13568
1.11	Data-transfer type	RF, optical fiber communication
1.12	Distance of focus-ISO-center	53cm
1.13	Distance of focus-detector	94cm
1.14	3D laser orientation	Provided
1.15	13" integrated display panel	Provided
1.16	Adose automatic exposure control (mA Modulation)	Provided
1.17	Auto-voice manager	Breath Graphical Display Hold Message (Record/Playback) Breath Message (Record/Playback)
1.18	AccuSaving energy conservation management	Provided
2	HVPS and X-ray tube	
2.01	Maximum continuous output of HVgenerator	42kW
2.02	Tube kV selections	70kV, 80kV, 100 kV, 120 kV, 140 kV
2.03	Tube mA range	10~350mA
2.04	Tube anode heat capacity	3.5MHU

2.05	Max. anode cooling rate	735kHU/min
2.06	Type of cooling	Oil cooling + Air cooling
2.07	Tube focus	Large: 1.2mm×1.4mm Small: 0.7mm×0.8mm
2.08	Collimator width selection	4-level election
2.09	Focus spot tracking technology	Provided
3	Patient table	
3.01	Maximum horizontal-movable range	1850mm
3.02	Table horizontal-scannablerrange	1800mm
3.03	Table horizontal-position repeatability	±0.25mm
3.04	Minimum height above floor	430mm
3.05	Maximum vertical-movable range	500mm
3.06	Maximum speed of vertical movement	35mm
3.07	Maximum speed of horizontal movement	150mm/s
3.08	Maximum patient weight	205kg
3.09	Foot pedal of patient table control	Provided
4	OC Workstation	
4.01	CPU	3.5GHz
4.02	Memory	32GB
4.03	Storage of hard-disk	1TB×2
4.04	Monitor	24" LCD Monitor
4.05	Resolution of monitor	1920×1200
4.06	Image-data external storage type	CD/DVD/USB
4.07	Time of image reconstruction (512×512)	33.3ms/image
4.08	Speed of image reconstruction (512×12)	30fps
4.09	DICOM 3.0 interface	Provided
4.10	Printer DICOM 3.0 interface	Provided
4.11	Auto filming	Provided
4.12	Worklist function	Provided



5		Scan parameter
5.01	Shortest 360 degree rotation time	0.75s
5.02	Allowed rotation times	0.75s, 1.0s, 1.5s, 2.0s, 3.0s, 4.0s
5.03	Maximum slice numbers per rotation	32
5.04	Minimum slice thickness of scan	1.25mm
5.05	Minimum slice thickness of reconstruction	0.625mm
5.06	Maximum slice thickness of scan	20mm
5.07	Nominal reconstruction slice thickness	0.625mm, 1.25mm, 2.5mm, 5.0mm, 7.5mm, 10mm, 20mm
5.08	Speed of image reconstruction (512×512)	30 frames/s
5.09	Scan FOV	50cm
5.10	Image reconstruction matrix	512×512, 1024×1024 (Optional)
5.11	Image reconstruction matrix	512×512, 1024×1024 (Optional)
5.12	Image display matrix	512×512, 1024×1024 (Optional)
5.13	Maximum continuous scan duration	120s
5.14	Maximum continuous scan length	180cm
5.15	Direction of TOPO	Front-back, Left-right
5.16	Max. length of TOPO	180cm
5.17	Range of pitch	0.5~1.5
5.18	Scan mode	Scout scan
		Axial scan
		Helical scan
		Cine scan
6		Image Quality
6.01	High contrast resolution	21lp/cm@0%MTF
6.02	Low contrast resolution	2.0mm@0.30%
6.03	Isotropic imaging resolution	0.24mm
6.04	Range of CT numbers	-32767~32768
6.05	Image noise	≤0.29@28mGy
7		Advanced application

7.01	Multi-Planar Reconstruction (MPR)	Provided
7.02	Curve Multi-Planar Reconstruction (CPR)	Provided
7.03	Surface Shaded Display (SSD)	Provided
7.04	Volume Rendering (VR)	Provided
7.05	Maximum Intensity Projection (MIP)	Provided
7.06	Minimum Intensity Projection (MinIP)	Provided
7.07	Virtual Endoscopy (VE)	Provided
7.08	CT angiography (CTA)	Provided
7.09	Tissue segmentation	Provided
7.10	One click bone remove	Provided
7.11	One click patient table remove	Provided
7.12	Bolus-tracking Technology	Provided
7.13	Spiral auto start	Provided
7.14	Cine display	Provided
7.15	Abast™ bone artifact suppression technology	Provided
7.16	Amast™ metal artifact suppression technology	Provided
7.17	Admir ^{3D} all-domain iterative reconstruction	Provided
7.18	Low-dose pediatric scan technology	Provided
7.19	Low-dose lung scan technology	Provided
7.20	AccuHead grey-white matter enhanced technology	Provided
7.21	AccuOrgan lung high resolution scan technology	Provided
7.22	AccuOrgan inner-ear high resolution scan technology	Provided
7.23	AccuOrgan body high resolution scan technology	Provided
7.24	AccuOrgan bone high resolution scan technology	Provided
7.25	AccuMatter dual-energy with Admir ^{3D} for new application	Optional
