

Performance Specification:

SPECIFICATION:

- **Scan region :** Whole body , Including head
- **Scan system:** 360 degree continues rotate/rotate
- **Scan field :** 480 mm max.
- **Scan time :** 0.6 ,1 , 1.5 ,2 and 3s
- **CT scan field :** ϕ 180mm(SS) , ϕ 240mm(S) , ϕ 320mm(M) , ϕ 400mm(L) , ϕ 480mm(LL)
- **Scan mode:** S&S , S&V,Helical ,GG-Helical , GR-Helical , Dynamic , SURE Start
- **Slice thickness :** 1 , 2 , 3 , 5 ,7 and 10 mm
- **Gantry tilt angle :** From forward 30° to backward 30°(in 0.5° increment)

X-RAY GENERATION:

- **X-ray exposure :** Continues
- **X-ray tube voltage:** 80 ,100 ,120 ,135 KV
- **X-ray tube current :** 30 mA to 200 mA (step of 10 mA)
- **X-ray tube heating capacity :** 2 MHU OR 3.5 MHU
- **X-ray tube cooling rate:** 336 KHU/min (2.0 MHU)
735 KHU/min (3.5 MHU)

X-RAY DETECTION:

- **Detection system :** Solid-state detectors
- **Main detector :** 640 channels x 16 elements
- **Data acquisition :** 640 channels x 1 rows
- **Acquisition :** 1mm x 1 rows , 2mm x 1 rows, 3mm x 1 rows,
4mm x 1 rows, 5mm x 1 rows

RECONSTRUCTION UNIT:

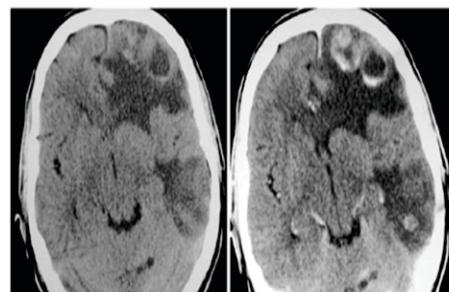
- **Image recon. Time :** Min. 1.00s time
- **Central processing unit :** 64-bit processor x 1
- **Memory size :** (1) Row data – 3000 Rotation
(2) Image data- 32000 Images



Other Clinical Features:

3D COLOR IMAGE PROCESSING:

- 3D surface rendering
 - 1.Clipping, texture or non-texture
- 3D volume rendering (Max-IP & Min-IP)
 - 1.Maximum intensity projection (Max-IP)
 - 2.Minimum intensity projection (Min-IP)
 - 3.X-ray volume rendering
 - 4.Intensity volume rendering
 - 5.Shaded volume rendering (an arbitrary opacity curve can be set)
- Cine display
- MPR and Curved MPR
- Display/processing function
 - 1.Zooming, panning, measurement (distance, angle),annotation, cutting, drilling
- Color printer interface
- Pediatric scanning system
- Histogram
- CT number display
- Mark display (grid display, scale display)
- Volume calculation
- Enlargement (arbitrary size)
- Addition/subtraction between images
- Comment and arrow insertion
- Top/bottom, right/left, black/white reversal of image
- Image filtering
- Screen save
- High-speed axial interpolation
- Quantum denoising software (QDS)



POWER REQUIREMENTS:

- 200 VAC 3-phase (60 KVA Max)
- Room Temperature: 20°C -26°C

