

OmniTom[®] Imaging

Point-of-care 16-slice CT scanner

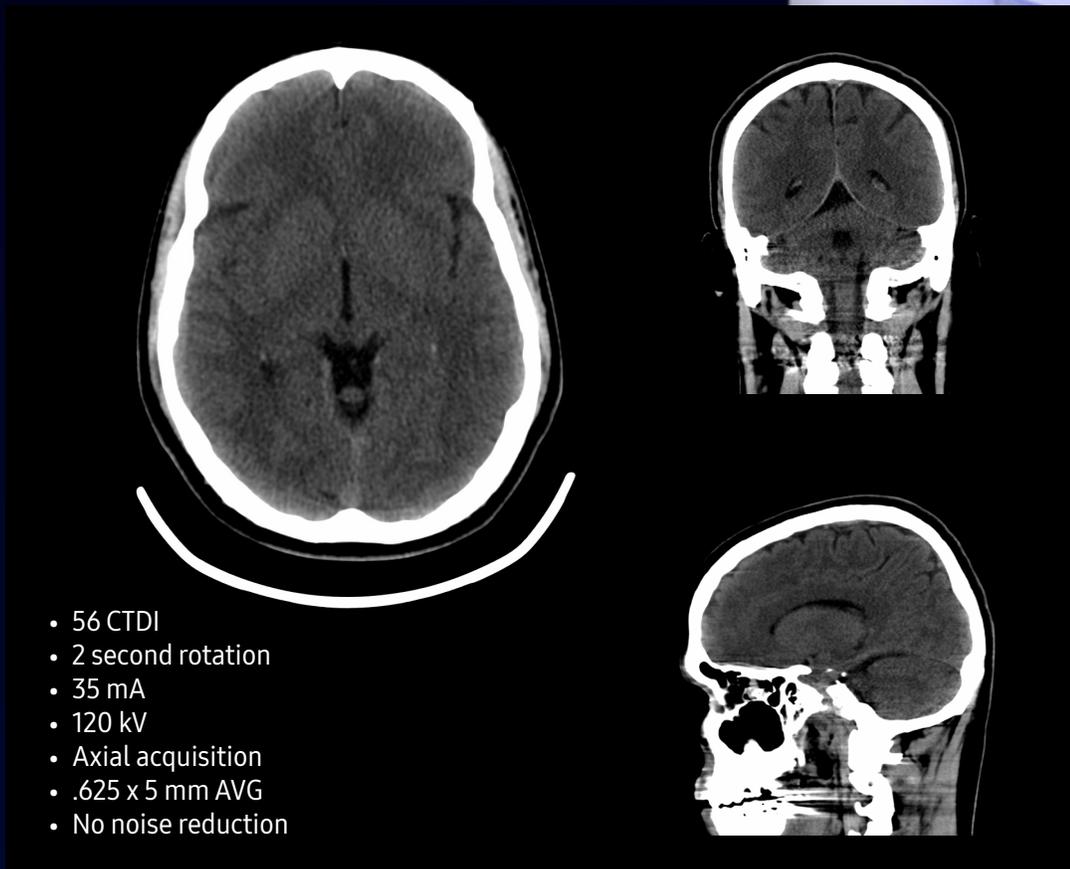
World-Class Imaging

Noise Reduction

Metal Artifact Reduction

Computer Aided Diagnostics

Axial, Helical, CT Angiography,
and CT Perfusion



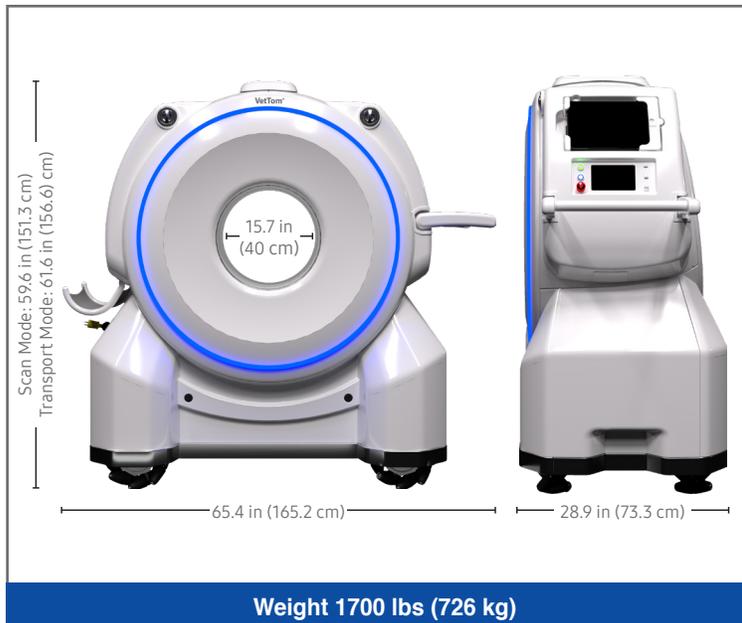
- 56 CTDI
- 2 second rotation
- 35 mA
- 120 kV
- Axial acquisition
- .625 x 5 mm AVG
- No noise reduction

NeuroLogica

A Subsidiary of Samsung Electronics Co., Ltd

Installation Requirements	
Phase	Single
Voltage	90 - 264 VAC/1300 watts peak
Frequency	50 - 60 Hz
Battery Capacity	Fully charged - 90 mins (typical)
Typical Usage	110 - 120 V; 60 Hz
Noise	60 dBA (1 meter distance from scanner bore) 65 dBA (scanner bore)
Site Requirements	
Operating Temperature	15 °C to 35 °C
Storage Temperature	-25 °C to 70 °C
Operating Altitude	0-3010 m (0-10,000 ft)
Operating Humidity	20 - 85 % non-condensing
Geometry	
Patient Opening	40 cm
Scanned Image Field of View	30 cm
X-ray Generation	
X-ray Tube Voltage	70, 80, 100, 120 kV
X-ray Tube Current	5 - 45 mA
Focal Spot Size	1.0 mm x 1.0 mm
X-ray Tube Type	Fixed anode, Cooled
X-ray Detection	
Detection System	Solid-state detectors (GOS)
Main Detector	16 Rows

Axial	
Rotation Time	1 sec, 2 sec
Max. Scan Range	500 mm (50 cm)
Coverage	16 x 0.625 mm (1 cm)
Translate Time	1 sec
Number of Slices Per Scan	16
Helical	
Rotation Time	1 sec
Max. Scan Range	500 mm (50 cm)
Coverage	16 x 0.625 mm (1 cm)
Max. Scan Time	40 sec
Helical Scan Pitch	1
Dynamic	
Rotation Time	1 sec
Scan Range	10 mm (1 cm)
Scan Time	40 sec @ 1 sec rot
Slice Thickness	10 mm
Scan Results	MTT/CBF/CBV
kV	100 (only)
Image Reconstruction	
Image Reconstruction Time	16 image/sec
Connectivity	
Gigabit ethernet/wireless (C) DICOM 3.1 compliant Compatible with surgical navigation, HIS, RIS, PACS	
Dimensions	
Height: 59.6 in (151.3 cm) Scan Mode Height: 61.6 in (156.6 cm) Transport Mode Length: 65.4 in (165.2 cm) Width: 28.9 in (73.3 cm) Weight 1700 lbs (726 kg)	



For More Information
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