



## Bring the power of true CT imaging to your clinic

### High Quality 3D Imaging

Same advanced technology used in top academic hospitals and mobile stroke units

### Low Power Needs

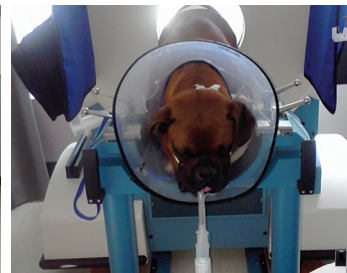
Minimal electrical requirements, battery-powered, charges with 110V standard outlet

### Low Install Cost

No expensive construction costs, no need for large, dedicated lead shielded room

### Small and Mobile

Easily moved from exam room to surgical suite to storage area



### Installation requirements

Phase:	Single
Voltage:	90 - 264 VAC/1300 watts peak
Frequency:	47 - 63 Hz
Battery capacity:	Fully charged - 2 hours (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 - 80 % non-condensing
Floor flatness:	<+/- 0.120 inch (3 mm) per 10 ft

### Geometry

Patient opening:	32 cm
Image field of view:	25 cm

### X-ray generation

X-ray tube voltage:	100, 120, 140 kV
X-ray tube current:	1 - 7 mA
Focal spot size:	1.0 mm x 1.0 mm
X-ray tube type:	Fixed anode

### X-Ray detection

Detection system:	Solid-state detectors
Main detectors:	8 rows

### Connectivity

- 2 GB USB memory stick
- Gigabit ethernet/wireless (g)
- DICOM 3.1 compliant

### Dimensions

Weight: 966 lbs (438 kg)



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\* 140 kV, 14 mAs, 10 mm slice thickness, 8 inch CATPHAN Phantom, 49.5 mGy. Dose is measured in the center of the CTDI phantom using a pencil probe with a 10 cm chamber length ( $\pm 15$  % tolerance).

### Axial

Rotation time:	2 sec, 4 sec, 6 sec
Max. scan range:	640 mm (64 cm)
Coverage:	8 x 1.25 mm
Translate time:	1 sec
Number of slices per scan:	8

### Helical

Rotation time:	1 sec
Max. scan range:	640 mm (64 cm)
Coverage:	8 x 1.25 mm
Max. scan time:	60 sec
Helical scan pitch:	1

### Dynamic

Rotation time:	1 sec
Scan range:	10 mm (1 cm)
Scan time:	30 - 45 sec
Slice thickness:	10 mm
Scan results:	MTT/CBF/CBV
kV:	100 (only)

### Image quality

Reconstruction matrix:	512 x 512
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# VetTom® 16

Multi-slice mobile CT scanner



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**NeuroLogica**  
A Subsidiary of Samsung Electronics Co., Ltd

# VetTom 16<sup>®</sup>

## 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
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 detectors:	16 rows

## Axial

Acquisition 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

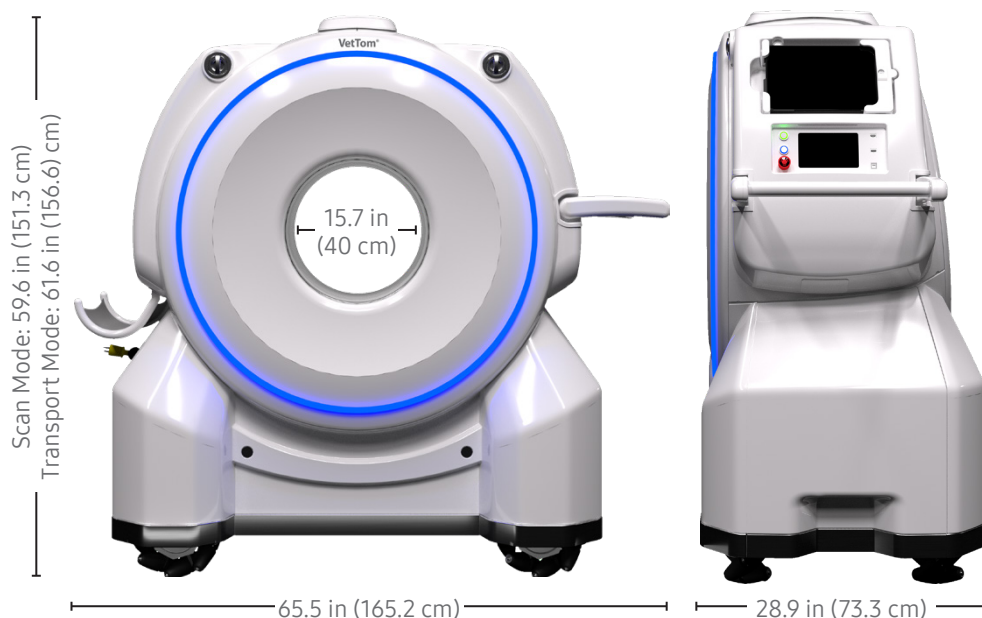
Rotation time:	1 sec
Scan range:	10 mm (1 cm)
Scan time:	40 sec @ 1 sec rot
Slice thickness:	10 mm
Scan results:	MTT/CBF/CBV
kV:	100 (only)

## Connectivity

- Gigabit ethernet/wireless (ac)
- DICOM 3.1 compliant
- Compatible with surgical navigation

## Dimensions

Height: Scan Mode 59.6 in (151.3 cm)  
Height: Transport Mode 61.6 in (156.6 cm)  
Length: 65.5 in (165.2 cm)  
Width: 28.9 in (73.3 cm)  
Weight: 1,700 lbs (726 kg)



# VetTom<sup>®</sup> 32

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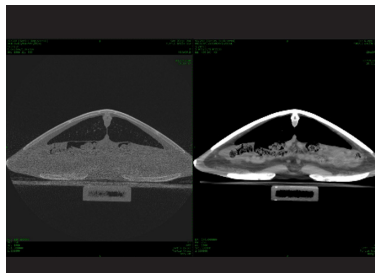
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### Mobile

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Installation Requirements	
Phase	Single
Voltage	90 - 264 VAC
Frequency	47 - 63 Hz
Battery Capacity	Fully Charged - 12 hours (typical)
Typical Usage	120 V/20 A - 240 V/30 A (dedicated)
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 Condensing	20 - 80 % non-condensing
Floor Flatness	<+/- 0.120 inch (3 mm) per 10 ft
Geometry	
Patient Opening	85 cm
Scanned Image Field of View	60 cm
X-ray Generation	
X-ray Tube Voltage	80, 100, 120, 140 kV
X-ray Tube Current	50 - 300 mA
Focal Spot Size	Large: 1.2 mm x 1.4 mm Small: 0.7 mm x 0.8 mm
Power Supply	42 kW
Heat Capacity	3.5 MHU
X-ray Detection	
Detection System	Solid-state detectors
Main Detector	32 Rows

Axial	
Rotation Time	1 sec, 2 sec
Max. Scan Range	900 mm (90 cm)
Coverage	8 x 1.25 mm
Helical	
Rotation Time	1 sec
Max. Scan Range	2,000 mm (200 cm)
Coverage	32 x 1.25 mm
Max. Scan Time	60 sec
Helical Scan Pitch	0.4, 0.8
Image Reconstruction Time	Real-time (32 images/sec)
Dynamic	
Rotation Time	1 sec
Scan Range	40 mm (4 cm)
Scan Time	60 sec
Image Reconstruction	
Reconstruction Matrix	512 x 512
Image Field of View	
Reconstructed Field of View	5 - 60 cm
Number of Images per second	16 images/second
Connectivity	
<ul style="list-style-type: none"> <li>Gigabit ethernet/wireless (A/B/G/N)</li> <li>DICOM 3.1 compliant</li> <li>Compatible with surgical navigation</li> </ul>	
Image Quality	
Document provided upon request	
Safeguards	
<ul style="list-style-type: none"> <li>Meets ACR IQ and dose standards for ABD and head scans</li> <li>Dose display prior to scan</li> <li>Secure log-in</li> <li>Admin privileges needed to change protocol</li> <li>Excessive dose lockout</li> <li>Dose reporting/auditing</li> </ul>	
Dimensions	
Height: 79 in (199 cm) Scan Mode	
Height: 81 in (205.7 cm) Transport Mode	
Length: 101 in (265.5 cm)	
Width: 41 in (104 cm)	
Weight: 3510 lbs (1592 kg)	



**For more information, contact:**