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Rental Update

Mobile BrightSpeed 16 Elite – Immediate Availability

Monthly Rental Price: $23,000.00 / month - includes service
Transportation Fee: Estimated $5,500.00
Available from April 1st, 2020 to November 30th, 2020

Equipment Specifications

GE BrightSpeed 16 Elite CT Scanner with Enhanced Pkg
The BrightSpeed Elite with Enhanced package is a BrightSpeed Elite CT Scanner with the new True in One (TIO) console with smaller footprint Freedom Workspace which allows 6fps reconstruction speed as a standard, and 16 fps option. Comes with 3D Neuro application and new 1700mm table (VT1700V) with increased load capacity.

- With IQ enhance (IQE) allows faster pitch scanning covering more anatomy at same image quality. This coverage speed is equivalent to that of wider detectors (50 slice equivalent) at same table speed.
- The "Short Geometry design" makes GE BrightSpeed CT 53.2kW generator power can be equivalent to 66kW relative to conventional long geometry scanners. Key Features: Excellent Image Quality;
- Exclusive VariSpeed allows full 360-degree rotation in 0.5, 0.6, 0.7, 0.8, 0.9, 1, 2, 3, 4 seconds, ensuring short breath holds, more comfortable exams and flexibility.
- Routine thin slice scanning, as thin as 0.625mm optimizing lesion detection and facilitating the use of thinner images for sagittal, coronal. oblique, and volume image presentation and review
- Highly efficient compact geometry design delivering optimum performance of the x-ray tube and generator
- GE proprietary, non-linear interpolation algorithms, balance slice profile, helical pitch, image noise, and required technique
- Image decomposition to:
    - Retrospective thin images from data sets where thicker images were initially reconstructed
    - Facilitates more detailed image analysis.
    - Improves 3D and reformat visualization.

Fast Easy Simultaneous Workflow:
- Xtream(TM) FX Workflow Platform built to help you maximize productivity
    - Delivers 6 (16 optional) full fidelity images per second (ips) reconstruction

- Up to 10 ips network transfer rates

- Direct Multiplanar Reformats (DMPR) that enables the *move* from 20 review to prospective 3D review of sagittal, coronal and oblique planes automatically
- Data Export and Interchange that allow you easily share images with referring physicians and patients

- Includes a set of protocols and the ability to customize your own for a total of 6840 protocols
- Remote tilt from the operator console to increase exam speed.
- Built-in breathing lights with a countdown timer, so the patient does not *have* to guess how much longer to hold their breath.
- In room start button mounted on gantry with countdown display, facilitates single technologist operation and improved departmental productivity.
- GE software allows you to automate or build every task into the protocols to increase throughput.
- 250,000 uncompressed 512 image files storage capacity, and 9600 scan seconds of scan data storage capacity
- Chest Kernel provides up to 2Xs greater productivity
- 1Q enhancement filter provides up to 70% helical pitch acceleration

Dose Management Leadership:

- Neuro 3D filter allows up to 36% dose reduction with the same 10 (noise) level
- 3D Dose modulation. Before the scan, clinicians can select the desired Noise/IO: CT then tailored automatically exposure parameters, patient to patient and real-time x-y-z during each scan, resulting in up to 40% dose reduction
- Short geometry design reduces dose by 26%
- Volara Digital DAS reduces noise by up to 33%
- DLP (dose length product). and dose efficiency display during scan prescription provides patient dose information to the operator

Clinical Benefits:

- CTA runoffs
- New 3D Neuro filter provides up to 20% reduction in noise with NO compromise on resolution
- More thin slices faster; routine use of thin slices without compromising 10, coverage, or throughput
- Full organ coverage in arterial phase
- 1Q Enhancement reduces helical artifact during thin-slice helical planning
- Multi-phase organ studies
- Improved multi-planar reformats with isotropic microvoxel imaging

- Faster scanning with outstanding image quality and GE's proprietary cross beam and hyperplane reconstruction algorithms
- System designed for optimization of z-axis resolution and dose with 0.625 mm slice thickness

System components: Gantry; Advanced slip ring design continuously rotates the generator,

Performix Ultra tube, Matrix II detector and Volora digital data acquisition system around the patient.

- Aperture: 70 cm
- Maximum SFOV: 50 cm
- Rotational speeds: 360 degrees in 0.5, 0.6, 0.7, 0.8, 0.9. 1.0, 2.0, 3.0, and 4.0 Seconds
- Tilt: +/- 30 degrees, speed: 1 degree/second
- Remote tilt from operator's console
- Integrated breathing lights & countdown timer
- Integrated start scan button with countdown timer to indicate when x-ray will turn on

Laser Alignment Lights:
- Defined internal and external scan planes to +/- 1 mm accuracy
- Operate over full range of gantry tilt
- Coronal light remains perpendicular to axial light as gantry tilts making visual readout easy from tableside or the operator console.

Table: Cantilever design for easy access and stability
- Vertical range: 49.0 cm to 99.1 cm
- Vertical scannable range:79.1 cm to 99.1 cm
- Horizontal range: up to 170 cm
- Horizontal scannable range: up to 173cm(axial) and 163 cm (helical)& 160 cm (Scout)
- Horizontal speed: up to 125mm/sec (150mm/sec at 1501
- Table automatically re-centers on scan plane with changes in vertical position under Alignment light turned on condition
- Table load capacity:
    - 227kg (500 lb) +/-0.25mm position repeatability

X-ray Tube: Performix Ultra metal -ceramic tube unit offers a optimized design for exams requiring a large number of scans without tube cooling delays.
- Performix Ultra tube with 6.3 MHU of storage and capability of 53.2 kW operation provides increased helical performance with greater patient throughput and virtually no tube cooling. Advanced technology in the tube includes a metal ceramic frame and high

speed bearing for long life at sub-second scanning, a high efficiency motor to accelerate the anode and efficient cooling for high throughput and helical performance.

- Wide range of technique (10mA to 440 mA, in 5 mA increments) gives technologist and physician flexibility to tailor protocols to specific patient needs. while optimizing patient dose, and providing the power needed to perform a broad spectrum examinations.
- Heat storage capacity: 6.3 MHU
- Heat dissipation:
    - Anode (Max) 840 KHU/min
    - Casing (cont) 300 KHU/min
    - Tube unit: 6.9 kW Continuous for 10 min.

- Dual Focus Spots:
    - Small Focal Spot: 0.7 x 0.6 per IEC 60336: 1993: 0.9 mm (W) 0.7 mm (U (Traditional Methodology) 0.9 x 0.7 per IEC 60336:2005
    - Large Focal Spot: 0.9 x 0.9

per IEC 60336:1993; 1.2 mm (W) x 1.2 mm (U (Traditional Methodology) 1.2 x 1 per IEC 60336:2005

- Maximum power: 53.2 kW
- Beam collimated to 56-degree fan angle.

High Voltage Generator: High Frequency on-board generator allows for continuous operation during scan.

- 53.2 kW Output Power
- kVp: 80, 100, 120, 140 kVP
- mA: 10 to 440 mA, 5 mA Increments.
- Maximum mA for Each kVp Selection: > 400mA @ 80kVp > 420mA @ 100kVp > 440mA @ 120kVp > 380mA @ 140kVp

HiLight Matrix II Detector: The HiLight Matrix II detector was designed for high performance imaging. The BrightSpeed Elite allows up to 16 slices per rotation, and up to 32 slices per second.

The HiLight Matrix II detector benefits are:

- Increased coverage per rotation with thinner slices routine
- Solid Image Quality from the use of GE's patented HiLight material, a ceramic scintillator specifically engineered for CT applications.
- 16 detector rows, each containing 888 active patient elements, 6 reference elements.
- 4 Modes of Data Output:
    - 16 x 0.625 mm or 1.25mm
    - 8 x 1.25 mm or 2.5 mm

Volara Digital DAS (Data Acquisition System): The Volara digital DAS dramatically reduces noise and improves image quality, especially in low dose exams, large patient, or areas of the anatomy that are difficult to image such as shoulder and hips

- 14,592 available input channels
- 1968Hz maximum sample rate
- Effective analog to digital conversion range greater than 2,000,000:1

TIO Operator Console:

- 6fps comes standard, 16fps is optional
- Freedom Workspace comes standard
- This table design enables the efficient use of space while enhancing clinical workflow and technologist comfort. Attributes: > 200 mm depth reduction> Fully adjustable monitor arms> Adjustable height> Flexible location of DC hardware Benefits: > Improve patient visibility > Clear path to the patient > More comfortable for technologist > Improved ergonomics for technologists > Sitting or Standing position > Easy height adjustment Requirements: > Xtream FX operator console
- Split tabletop allows unrestricted patient viewing while supporting 2 19-inch color LCD monitors. Each work surface can be adjusted to accommodate operator preferences and a wide variety of site requirements
- Xtream (TM)FX, built on the L1NUX operating system and delivering fast reconstruction of 6 ips with full fidelity images and the industry's fastest network transfer rates of up to 16 ips
- The 19-inch color LCD monitors support scan and recon, as well as image display, processing, analysis, and management.
- FWS Size: 1300mm Wide x 620mm Deep x 683-912mm adjustable height 44 kg in weight

Image Networking: Exams can be selected and *moved* between the BrightSpeed Elite CT Scanner and any imaging system supporting the DICOM 3.0 protocol for network send, *receive* and pull/query.

- Standard Auto-configuring Ethernet
- Direct Network Connection
- Supports 10/100/1000 BaseT Ethernet
- Supported Protocols
  - DICOM 3.0 Network
  - Advantage Net
  - InSite Point-to-Point
  - TCP/IP (for System Administration)

DICOM Conformance Standards:

- DICOM 3.0 Storage Service Closs

- Service Class User (SCU) for image send
- Service Class Provider (SCPI for receive
- DICOM 3.0 Query/Retrieve Service Class
- DICOM 3.0 MODMedia Service Class
- DICOM 3.0 Storage Commitment Class Push
- DICOM 3.0 Modality Worklist (incl: Performed Procedure Step through ConnectPro option)
- DICOM 3.0 Print

InSite Broadband includes: Hardware essential for systems to be connected to highspeed internet. Enables customer to access services designed to: improve quality, enhance