

VAMC OKLAHOMA CITY, OK
PO# 635-B36036

TRADE-IN INFORMATION FOR SIEMENS 1
MEDICAL MODEL: SYMBIA T, SERIAL
NUMBER: 1091, PURCHASE DATE: DEC
12, 2005. PURCHASE PRICE: \$
736,174.00. PATIENT DATA:

Qty	Item Description
1	Symbia T6 The Symbia T6 is built on TruePoint SPECT•CT technology, providing seamless integration of two equal modalities. The true integration of state-of-the-art SPECT and high quality six slice CT gives this system full functionality for all SPECT-only, SPECT•CT, or stand-alone CT diagnostic applications in Oncology, Neurology, General Nuclear Medicine, and Cardiology.
2	3/8" Hi-Resolution Detector The high resolution, digital detector assembly includes a .95 cm (3/8 in.) thick NaI (TI) crystal.
1	Detector Support with Caudal Tilt Caudal tilt on Detector 2 allows for precise positioning of static and dynamic acquisitions.
1	Extra Hand Controller This option provides an extra hand controller for the Symbia T Series scanners.
1	Internal ECG for Symbia The internal ECG gating system provides ECG triggering for the nuclear subsystem for nuclear cardiology examinations. In addition, for Symbia T2, T6, and T16 cameras, the internal ECG gate provides ECG triggering to the CT subsystem for CT applications that require ECG gating. The ECG gate is built into the Symbia patient bed and is controlled by the Symbia acquisition workplace. The leads connect near the head of the patient bed and travel with patient, thus never interfering with scanning. The ECG waveform is displayed on the touch-screen Patient Positioning Monitor.
2	Low_Energy_Hi_Res Collimator Symbia Low energy (140 keV), high resolution, parallel hole collimator
2	Medium Energy Collimator Symbia Medium energy (300 keV), parallel hole collimator
2	High Energy Collimator Symbia. High energy (364 keV) parallel hole collimator
1	Symbia Collimator Cart The collimator cart is designed to hold extra collimators and allows collimator exchange without removing the bed.
1	Integrated Collimator Changer The integrated collimator changer mounts beneath the patient bed on the Symbia S and T Series camera systems. The changer saves time and effort when changing the most frequently used collimators.

Qty	Item Description
1	Automatic Collimator Changer This feature automates the exchange of collimators that are housed in the integrated collimator changer.
1	Symbia T Series US Installation This option includes the mechanical installation of the Symbia T Series camera system.
1	English Symbia T Lang Kit
1	Remote Diagnostic Services Remote Diagnostic Services. A broadband connection is required for full remote diagnostic functionality and optimal system uptime.
1	SPECT/CT Processing This processing software package provides advanced SPECT/CT Reconstruction, image fusion capabilities, volumetric analysis for tumor imaging, image manipulation tools, as well as cardiac and other organ-based SPECT processing.
1	Cardiology Engine SPECT.CT Cedars The Cardiology Engine SPECT.CT Cedars assists in the diagnosis and quantitative assessment of coronary artery disease by enabling the visualization of SPECT studies as well as quantified perfusion assessment.
1	NeuroGam The NeuroGam™ application provides qualitative and quantitative comparison of brain images.
1	syngo Media Viewer syngo Media Viewer brings hybrid image viewing to the referring physician in a comprehensive viewing application which can be included on a CD or DVD along with DICOM images. With syngo Media Viewer clinical images can easily be shared with referring physicians, or exported for marketing or educational purposes. Simply burn the data to a CD or DVD and the data is ready to be viewed on any PC.
1	English Cedars Lang Kit
1	English Scenium Lang Kit
1	English NeuroGam Lang Kit
1	Neurology Engine Advanced SPECT.CT The Neurology Engine Advanced SPECT.CT facilitates neurological diagnosis by providing visualization, volumetric analysis, registration and fusion of SPECT.CT studies with other modalities, as well as comparison of 99Tc SPECT studies with a predefined reference database.
1	4Quadrant Phantom for e.cam/SymbiaE A 4 quadrant 2.0-2.5.30.3.5 mm standard pattern slightly modified for use with the e.cam and Symbia Imaging Systems
1	UPS for SPECT Camera Systems Uninterruptible power supply option that provides 10 minutes of back up power to the SPECT gantry enabling the proper shut down in the event of a power loss. Also provides noise filtering and transient suppression. Specifications:5.0 KVA Input configuration: 200-240 VAC, 50/60 Hz, L6-30P Output configuration: 208 VAC, L6-30R
1	UPS for e.soft/c.cam (60 Hz) Uninterruptible power supply option that provides 10 minutes of back up power enabling the proper shut down of the system in the event of a power loss.

Qty	Item Description
1	<p>Initial onsite training 32 hrs</p> <p>Up to (32) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>
1	<p>MI_SYMB_FOLLOWUP</p> <p>Up to (32) hours of follow-up on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>
1	<p>CT Cross Trainer (Printed Self Study)</p> <p>CT Cross Trainer printed self study materials for (1) imaging professional. These materials will provide the user with basic CT knowledge by testing the participant periodically. Successful completion of the self study program will provide the participant with CE credits. CT Cross Trainer printed self study materials for (1) imaging professional. These materials will provide the user with basic CT knowledge by testing the participant periodically. Successful completion of the self study program will provide the participant with CE credits. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>
1	<p>MI SPECT Project Management</p> <p>A Siemens Project Manager (PM) will be the single point of contact for the implementation of your Siemens equipment. The assigned PM will work with the customer's facilities management, architect or building contractor to assist you in ensuring that your site is ready for installation. Your PM will provide initial and final drawings and will coordinate the scheduling of the equipment, installation, and rigging, as well as the initiation of on-site clinical education.</p>
2	<p>GOV'T ONLY - MI SPECT Training Class</p> <p>Tuition for (1) government attendee to attend a classroom course of choice at one of the Siemens training centers. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>
1	<p>Low Contrast CT Phantom & Holder</p>
1	<p>SPECT ELEVATE BONUS PROMO Elev Symbia T</p> <p>One complimentary biomedical tuition is included with the purchase of this system. This training must be completed before the end of the warranty period.</p>
1	<p>TWO SETS OF SERVICE AND OPERATORS MANUALS</p>
1	<p>Initial onsite training 32 hrs Gov Offse</p>
1	<p>XX2SYNGO - syngo with Multimodality Workstation</p> <p>Days -</p>
1	<p>XX1RADSFVC- (8 Hrs) virtual radiation Our NC RAM license requires that attendees have 8+hrs of Radiation Safety training within the last 3 yrs.</p>
1	<p>MI2ESOFTWS-ESOFT WORKSTATION</p>

Qty	Item Description
1	MI2SYMBIA
	GOV'T - ONLY - MI SPECT Manual Offset English Symbia T Lang Kit
1	GOV'T - ONLY - MI SPECT Manual Offset English Cedars Lang Kit
1	GOV'T - ONLY - MI SPECT Manual Offset English Scenuim Lang Kit
1	GOV'T - ONLY - MI SPECT Manual Offset English NeuroGam Lang Kit
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Detailed Technical Specifications

Symbia T6

/ Product	Description
Symbia T6	<p>The Symbia T6 system consist of the following integrated TruePoint SPECT•CT features.</p> <ul style="list-style-type: none"> - Gantry - Patient Bed - Acquisition Workplace - SPECT Acquisition Features - CT Acquisition Features <p><u>Gantry</u></p> <p>Variable Angle, open design with 70 cm (27.6 in.) patient opening. The two High Definition Digital SPECT detectors can be configured at 76° or 90° for cardiac applications and at 180° for all other whole body and general protocols. Optional caudal tilt of one detector allows for optimum detector positioning of static and dynamic acquisitions. The Ultra Fast Ceramic multislice spiral CT detector rotates at 100 RPM (0.6 sec per revolution). The contemporary design of the gantry incorporates Siemens-typical design elements like translucent cover materials and a fresh stripe décor. The unobstructed gantry base permits planar imaging of seated and standing patients and patients on wheelchairs, or on standard imaging tables, gurneys and hospital beds.</p> <p>The gantry supports circular and non-circular orbits. Autocontour, with infrared real-time body contouring, is a standard component which minimizes patient to collimator distance to 1.2 cm (0.45 in.) in Whole Body and SPECT non-circular orbit acquisition modes.</p> <p>All motorized motions of the system are controlled from the hand controller which can be plugged into either side of the gantry.</p> <p>The Patient Positioning Monitor is a touch screen flat panel which can be rotated for a wide range of user access and visibility. It is used for the following functions:</p> <ul style="list-style-type: none"> - Patient positioning with window and persistence adjustment - Acquisition parameter display (elapsed time, time remaining, view number, count rate, etc.) - Camera information (detector and bed positions) - Gantry control (reconfiguration, collimator change, offset zoom, and adjusting the CT acquisition limits.) <p>A fully integrated source holder is provided for quick and convenient quality control.</p> <p><u>Patient Bed</u></p> <p>The patient-oriented design of the imaging bed consists of 35.6 cm (14 in.) wide and 15 mm (0.6 in.) thin, carbon fiber pallet, supporting patient weights up to 227 kg (500 lbs). Minimum bed height is 53 cm (21 in.) for easy patient access. Programmable table positions for wheelchairs and gurneys minimize the transport efforts of patients and staff. Integrated rulers on each side of the patient bed, allow for quick whole body set up. The bed also provides automatic, uninterrupted table feed CT scanning The patient bed can be easily pivoted to the side for rail-free access of sitting/standing patients, wheelchairs, imaging tables, gurneys and hospital beds.</p> <p><u>Acquisition Workplace</u></p> <p>The syngo-based high performance workstation provides a multi-modality graphical user interface, keyboard and mouse. SPECT and CT acquisition, quality control and display are integrated in a single workplace. Workflows for a wide variety of clinical protocols are included. The workplace offers customizable displays and full DICOM archiving and printing functionality.</p>

/ Product	Description
<p>(Continued)</p> <p>Symbia T6</p>	<p>Hardware:</p> <ul style="list-style-type: none"> - Single Quad-Core 2.54 GHz Xeon CPU - 4 GB RAM - 4 X 300 GB SAS Hard Drives - Integrated DVD-R RW - Workflow-based Architecture <p><u>SPECT Acquisition Features</u></p> <p>SPECT Acquisition Modes</p> <ul style="list-style-type: none"> - Planar static and dynamic - Whole Body - SPECT - Gated SPECT - Dynamic SPECT - Whole Body SPECT <p>SPECT Features</p> <p>Workflow Features: The system combines acquisition, post-processing (optional), and display into user customizable workflows that automate many of your clinical routines. Besides remembering and storing your parameters for each clinical protocol, the workflow will automatically print, archive, and distribute your results to other devices on your network.</p> <p>Quality Control: Use the automatic and manual motion correction features of the system to aid you in the quality of your acquired images. Besides correcting for motion, you can beat normalize your gated studies and create quality control images such as sinograms and linograms to document your results.</p> <p>3D Orientation: Reorient your acquired SPECT volumes interactively to achieve the desired patient position. Cardiac and general orientations are supported. If desired, the orientation applied to one volume can be automatically applied to up to 3 additional volumes.</p> <p>Image Registration: Multiple techniques are available for accurate registration of your acquired images. Translations and rotations in all 3 planes provide a foundation for accurate registration. The optional automatic registration technique can often assist you in those hard-to-register cases. A landmark registration feature rounds out the available techniques. Triple registration and the choice of output matrix size are also standard features.</p> <p>Reconstruction: The reconstruction engine supports up to 5 multi-isotope studies concurrently. Standard SPECT as well as wholebody, dynamic and gated cardiac volumes can be created. Advanced techniques that provide high image quality comes standard with our system:</p> <ul style="list-style-type: none"> - <u>Flash Iterative Technologies</u> OSEM reconstruction algorithm using 3D collimator modeling to increase resolution and decrease noise, while maintaining the exact shape of organs and lesions, when compared to filtered back projection reconstruction. - <u>CT Attenuation Correction</u> Creates very precise attenuation maps from the high quality CT data to correct for attenuation and increase reading accuracy. - <u>Scatter Correction</u> Uses patient specific scatter projection estimates form a generalized dual-or triple energy window method to compensate for scatter during the iterative reconstruction process.

Product	Description
<p>(Continued)</p> <p>Symbia 16</p>	<p><u>CT Acquisition Features</u></p> <p>CT Acquisition Modes</p> <ul style="list-style-type: none"> - Topogram, scanning perspectives: anterior-posterior (ap), posterior-anterior (pa), lateral (lat) - Spiral CT, continuous volume scanning technique with uninterrupted table feed in the multi-rotation mode - Sequential CT, incremental, slice-by-slice imaging mode with no table movement during data acquisition <p>CT Features</p> <p>CARE Dose 4D: This software feature provides automatic, real-time x-ray dose management for all scan modes. The minimal x-ray dose level needed to obtain optimal image quality is determined from extensive computer analysis of the topogram image and also from the data collected during every slice scanned, on a real time basis. This dual stage automatic approach ensures optimal image quality at the lowest possible x-ray dose.</p> <p>With this method of dose control, the initial or starting tube current for every axial slice position is determined from the topogram image. Then, during the data acquisition for each axial slice, the x-ray attenuation values are closely monitored and the tube current is adjusted, on a real time basis, to optimize the x-ray dose level for the specific organs and anatomy in the x-ray path.</p> <p>Several clinical benefits are achieved with CARE Dose 4D:</p> <ul style="list-style-type: none"> - Significant x-ray dose reduction (up to 66 %) possible for all body regions scanned compared with standard sequence or spiral scanning; - Consistent, optimal image quality with the x-ray dose level unique for every patient and for every anatomical region; - Thinner axial slices and/or longer scan ranges possible because of reduced tube loading; - Ultra-low dose examinations for pediatric patients. <p>SureView™ – Multislice Image Reconstruction System</p> <ul style="list-style-type: none"> - Excellent Image Quality and no slice broadening at any pitch – IQ is kept constant for all scan speeds, independent of the selected range and scan time. - Up to 20% dose savings in spiral mode. <p>Asynchronous Recon: Asynchronous Recon allows for multiple image reconstructions and reformats, parallel to scanning. With this feature, up to eight reconstruction job requests can be loaded into a scan protocol. Immediately upon completion of the scan acquisition, these reconstruction jobs are automatically executed in the background without delaying the start of next patient examination.</p> <p>Image reconstruction: Reconstruction using raw data zoom with the possibility of freely selecting the image center either before scanning (prospectively) or retrospectively.</p> <p>Image display: CT value scale for window setting -1024 to +3071 HU. For very dense objects the CT value scale can be extended from -10240 to +30710 HU.</p> <p>Multiplanar Reconstruction (MPR) Real-time MPR for real-time reconstruction of secondary slices. Slice orientation: coronal, sagittal, irregular as well as multi-planar with SIR and Oblique. Cutlines can be determined using the reference tomogram or in sagittal reformatted images (SRI). 512 x 512 reconstruction matrix.</p> <p>Syngo 3D SSD Used to display and analyze complex anatomies – e.g. skull, pelvis, and hips – for the purpose of planning surgical interventions.</p>

/ Product	Description
3/8" Hi-Resolution Detector	<p>The Symbia utilizes energy independent high definition digital detectors.</p> <p>Detector assembly technical specifications:</p> <ul style="list-style-type: none"> - True rectangular FOV of 38.7 x 53.3 cm (15.25 x 21 in.) - 59 photomultiplier tubes – 53, 7.6 cm (3 in.) and 6, 5.1 cm (2 in.) diameter tubes - .95 x 59.1 x 44.5 cm (3/8 x 23 x 17.4 in.) NaI (TI) crystal material <p>The HD Detector features include:</p> <ul style="list-style-type: none"> - Balanced performance between energy resolution and spatial resolution - One, 10-bit high-speed flash ADC per PMT - Variable PMT selection ensures high resolution for all multi-energy and multi-peak applications - Optimized dynamic digital integration time to improve high count rate capability - Individual PMT pile-up correction for improved performance at high count rates - Energy independence maintains clinical performance at all energies including multi-peak and dual isotope studies - Location independence maintains consistent spatial resolution across the field of view - Crystal variation correction for optimal uniformity and linearity across all energies - Single source (Co-57 or Tc-99m) tunes the detector for all energies
Extra Hand Controller	<p>The Symbia T series scanner comes standard with a single hand controller that can be plugged into either side of the gantry. This option adds an additional hand controller for added efficiency in accessing the motorized motions for the patient bed, gantry, and detectors.</p>
Low_Energy_Hi_Res Collimator Symbia	<p>The low energy high resolution collimator has the following technical specifications:</p> <ul style="list-style-type: none"> - 148,000 hexagonal holes - Sensitivity: 202 cpm/microCurie - Resolution: 7.5mm at 10 cm - Weight: 22 kg (49 lbs)
Medium Energy Collimator Symbia	<p>The medium energy collimator has the following technical specifications:</p> <ul style="list-style-type: none"> - 14,000 hexagonal holes - Sensitivity: 275 cpm/microCurie - Resolution: 12.5 mm at 10 cm - Weight: 64 kg (140 lbs)
High Energy Collimator Symbia.	<p>The high energy collimator has the following technical specifications:</p> <ul style="list-style-type: none"> - 8,000 hexagonal holes - Sensitivity: 135 cpm/microCurie - Resolution: 13.4 mm at 10 cm - Weight: 125 kg (275 lbs) <p>Due to the weight of these collimators, it is recommended that an individual collimator cart containing only the 2 high energy collimators be utilized.</p>
Symbia Collimator Cart	<p>The collimator cart is automatically clamped to the patient bed once positioned by the user. The clamping mechanism allows precise collimator exchange to occur.</p> <p>The collimator cart is designed to hold 2 sets of collimators, or 1 set in combination with a pinhole collimator.</p> <p>Due to the weight of the high energy collimators, it is recommended that an individual collimator cart containing only the 2 high energy collimators be utilized.</p>

Product	Description
Integrated Collimator Changer	<p>The unit can hold 2 sets of low or medium energy collimators including SMARTZOOM collimators.</p> <p>The integrated collimator changer also supports an optional automatic collimator exchange feature.</p>
Automatic Collimator Changer	<p>The automatic collimator exchange is initiated via the patient positioning monitor. Once started, the entire process is fully automated. The integrated collimator changer is a prerequisite and only those collimators housed in the integrated changer are available for automatic exchange.</p>
Symbia T Series US Installation	<p>Installation includes:</p> <ul style="list-style-type: none"> - Complete system assembly - Alignment - System startup - Calibrations - Performance verification to factory specifications <p>This option is required for all US Installations</p>
Remote Diagnostic Services	<p>A broadband connection is required for full remote diagnostic functionality and optimal system uptime. The Remote Diagnostic Services option allows for remote access to your networked workstations. This service includes all the necessary hardware, software and configuration required to access your equipment remotely for the purposes of remote diagnostics. Features include:</p> <ul style="list-style-type: none"> - Image Transfer - Access to automatic Virus Protection updates - Error log retrieval - Remote Workflow revisions - Remote configuration - License management - Remote workstation control via netmeeting
SPECT/CT Processing	<p>The SPECT/CT Processing features include:</p> <ul style="list-style-type: none"> - Advanced SPECT/CT Reconstruction - Advanced Image Fusion - Volumetric Analysis - Organ Processing <p><u>Advanced SPECT/CT Reconstruction</u></p> <p>The Advanced SPECT/CT Reconstruction package utilizes the most advanced reconstruction algorithms available. These include:</p> <ul style="list-style-type: none"> - Flash Iterative Technologies – increases image quality and decreases noise while maintaining organ shape - Scatter Correction – patient specific scatter estimates improve image quality - CT Attenuation Correction – precise attenuation maps from high quality CT are used to correct for body attenuation and to increase reading accuracy <p><u>Advanced Image Fusion</u></p> <p>Advanced Image Fusion includes:</p> <ul style="list-style-type: none"> - syngo 3D Package - syngo Image Fusion - Automatic Image Fusion <p>Images from NM, PET, CT, MR, and AX are supported.</p> <p>syngo 3D Package:</p>

Product	Description
<p><i>(Continued)</i></p> <p>SPECT/CT Processing</p>	<p>Navigate through volume data to create surface shaded and maximum intensity projection images. Volume data can be interactively rotated and a new range of images created from the reoriented data.</p> <p>Image Fusion Package: Functionality for spatial alignment, superimposition, and visualization of image data from one patient where image data has been generated by different modalities. Adds additional diagnostic information by fusing the morphological with the functional information. A transformation matrix is stored with the data to bring them back into alignment at a later time.</p> <p>Automatic Image Fusion: Automatic image registration enhancements to the Image Fusion Package. Surface Matching and Mutual Information algorithms allow for mix of image registration between anatomic modalities and functional modalities.</p> <p><u>Volumetric Analysis</u></p> <p>Volumetric analysis provides tools for the display and analysis of SPECT/CT tumor imaging. 2D and 3D regions of interest provide area and volume information from single or multi-bed SPECT and SPECT/CT wholebody images. Multiple study support allows you to compare pre and post therapy exams to assess changes to tumor size and shape. Dynamic SPECT data is also supported for the creation of time activity curves. Common tools for masking, cursor correlation, alpha blending, and unit selection are included.</p> <p><u>Organ Processing</u></p> <p>Organ processing provide generic tools for the manipulation of NM images. In addition, it provides dedicated processing protocols for the many different types of exams performed in nuclear medicine departments. Features provided are:</p> <ul style="list-style-type: none"> - Cardiac: Planar Gated Blood Pool, First Pass, Shunt - Lung: Perfusion, Ventilation, V/Q - Thyroid - Renal: GFR, ERPF, MAG3, Transplant, TER, Ace Inhibitor - Gastric - Hepatobiliary - Brain: Patlok, Lassen, IMP, IMP-ARG, NIMS - GSA Liver - Parathyroid: Scaled subtraction - Image manipulation tools: Series Filter, Series Arithmetic, Series Reformat, and Series ROI and Curve
<p>Cardiology Engine SPECT/CT Cedars</p>	<p>The Cardiology Engine SPECT/CT provides the Cedars Cardiac SPECT Suite, a comprehensive set of quantitation program for the evaluation of SPECT Myocardial Perfusion Imaging</p> <p>The engine calculates a comprehensive set of cardiac parameters including ejection fractions, volumes, wall motion including right ventricular free wall motion in QBS, wall thickening, perfusion (%). QPS allows for the quantitation of prone SPECT data and of serial perfusion changes. Both 20 and AHA-17 segment scoring models are available. In addition to calculating an Eccentricity Index, QGS also calculates a more regional measure of LV shape known as the Shape Index. Displays include gated slices with contours, a motion frozen display which results in better resolution and contrast by eliminating motion of the cardiac cycle, interactive 3D images, and polar maps. Manual over-ride of contours and DICOM compatible output are additional features. Outputs include DICOM secondary capture files, result files as well as the ability to generate an AVI file format. The Cedars application is an OEM product developed and supported by Cedars Sinai.</p> <p><i>Applications include: Cedars Cardiac SPECT Suite</i></p>
<p>NeuroGam</p>	<p>Features of the application include:</p> <p>Supports SPECT and PET data. Coregistration of functional data with a reference template (The Talairach atlas).</p>

Product	Description
<p><i>(Continued)</i></p> <p>NeuroGam</p>	<p>Quantitative analysis of brain images in both Talairach and patient space.</p> <p>Quantitative analysis of brain images according to arterial basins, Brodmann's functional areas, or user defined areas.</p> <p>User defined areas can be saved and reapplied to subsequent Patient data.</p> <p>Sequential comparison of brain function (up to 2 datasets).</p> <p>Comparison of functional data with a normal database (SPECT with HMPAO only).</p>
<p>syngo Media Viewer</p>	<p>The <i>syngo</i> Media Viewer allows the user to visualize Biograph PET-CT or Symbia SPECT-CT images as well as stand-alone SPECT, PET, CT or MR studies. Optimized for viewing fused studies, images are displayed in coronal, sagittal and transaxial planes with a correlated MIP, and fused images are displayed in a format which allows blending between the PET or SPECT and the CT. PET Standard Uptake Values (SUV) quantification is also included and can be calculated with this application.</p> <p>The hybrid image viewing tools in <i>syngo</i> Media Viewer include:</p> <ul style="list-style-type: none"> - Linked orthogonal planes - Correlated MIP - Blendable fusion overlay - Windowing - Zoom - Pan - SUV quantification <p>The following datasets are supported</p> <ul style="list-style-type: none"> - Biograph PET-CT - Symbia SPECT-CT - CT, MR, PET or SPECT <p>A CD or DVD created with the <i>syngo</i> Media Viewer application can be viewed on any PC with the following minimum requirements:</p> <ul style="list-style-type: none"> - Intel Pentium 4-based Windows compatible hardware - 1GHz CPU - 512 RAM - 24bit graphics card - Monitor that supports 1024x768 resolution <p>The CD or DVD cannot be viewed on a <i>syngo</i> based workplace.</p> <p>The <i>syngo</i> Media Viewer is not intended for diagnostic use.</p> <p>The <i>syngo</i> Media Viewer when deployed on CD or DVD only supports the English language. It is the responsibility of the purchaser of this software product to determine its appropriateness for distribution to their external customers.</p>
<p>Neurology Engine Advanced SPECT-CT</p>	<p>This engine provides tools to evaluate and display SPECT-CT neurology images and results, enabling customized user defined formats, image reorientation in any axis, an array of color look-up tables, and filming options. Standard features include: viewing of SPECT and CT DICOM images including image fusion display for registered series; common display tools such as correlated cursors, quantitative color bar and interactive pixel value; default CT image windows; display of CT maximum intensity projections (MIP); 3D Reorientation of volume data; region of interest (ROI) and volume of interest analysis and visualization.</p> <p>With the use of optimized workflows included in this engine one can combine standardized anatomy and a comprehensive normal 99Tc-ECD database with advanced fusion techniques, to enable automatic correlation of the patient's study with an average brain for quick computation of abnormalities. The fusion engine produces results that are reliable and reproducible between multiple sessions and multiple users. The superior quantification tools include voxel-by-voxel and regional evaluation of abnormal brain perfusion and automatic positioning of anatomical regions of interest which are optimized for evaluation of dementia. Additional anatomical brain regions</p>

/ Product	Description
<p><i>(Continued)</i></p> <p>neurology Engine Advanced SPECT.CT</p>	<p>of interest are possible which makes this application flexible to evaluate a number of neurological disorders. In addition, several anatomical regions may be selected for quick assessment of a single patient scan or for quantitative comparison to other scans. Unique fusion techniques, automated evaluation steps, and comprehensive quantification tools meet the needs of the emerging SPECT and SPECT.CT neurological evaluations. A reporting mechanism is also incorporated to help ensure consistent patient reporting.</p> <p>The Neurology Engine Advanced SPECT.CT allows further qualitative and quantitative comparison of brain images by co-registration of functional data with a reference template (The Talairach atlas). Quantitative analysis of brain images in both Talairach and patient space and according to arterial basins, Brodmann's functional areas, or user defined areas which can be saved and reapplied to subsequent Patient data. The engine also includes sequential comparison of brain function (up to 2 datasets) and comparison of functional data with a normal database.</p> <p>Scenium provides ⁹⁹Tc-HMPAO and Age-Matched ⁹⁹Tc-ECD databases</p> <p>Applications include: Volumetric Analysis, syngo Scenium SPECT, NeuroGam</p>
<p>UPS for e.sci/c.cam (60 Hz)</p>	<p>Specifications:</p> <p>1.4 KVA</p> <p>Input configuration: 120 VAC, 5-15P Output configuration: 120 VAC, (6) 5-15R</p>