

LOGISTICS
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INDIANAPOLIS, IN 46202

TRADE-IN
MANUFACTURER: SIEMENS MEDICAL SYS
MODEL: E. CAM
SN: 05975
ACQ. DATE: MAR 2, 2005

583- B50008

Qty	Item Description
1	Symbia Intevo 16 The Symbia Intevo 16 is built on xSPECT technology, enabling true integration of SPECT and CT. With xSPECT technology the SPECT information is registered into the CT frame of reference laying the foundation for higher SPECT image resolution and accurate and reproducible quantitative results. The Symbia Intevo 16 has state-of-the-art SPECT and high quality sixteen slice diagnostic CT, providing this system full functionality for all SPECT, xSPECT, and stand-alone CT diagnostic applications in Cardiology, Oncology, Neurology, and General Nuclear Medicine.
1	Additional System Manuals Additional user manual for the above selected MI system.
2	Low Profile 3/8" Detectors The low profile high resolution, digital detector assembly includes a .95 cm (3/8 in.) thick NaI (TI) crystal.
1	Caudal Tilt Caudal tilt on Detector 2 allows for precise positioning of static and dynamic acquisitions.
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
1	Pinhole Collimator Symbia Pinhole collimator with a 4mm aperture
1	IQ-SPECT IQ-SPECT is a unique ultra-fast cardiac solution option for general purpose SPECT systems that enables a selection of optimized protocols: - 4 minutes using standard dose - 8 minutes using half dose - 16 minutes using only a quarter of the dose
1	Symbia Productivity Package The productivity package automates collimator exchange and quality control to improve the productivity of the Symbia Intevo camera systems.
1	AQC Web Based Training AutoQC web based training is available on the Siemens training website.

Qty	Item Description
1	<p>AutoQC Source Registration Kit</p> <p>Source registration kit for Symbia Automatic Quality Control option. This kit contains information on updating site radioactive materials license, contact information for source vendor, and user instructions.</p>
1	<p>AutoQC source kit</p> <p>This source kit contains includes 1 - Gd-153 line and 1 - Co-57 point source required for the automatic quality control option.</p>
1	<p>Symbia Collimator Cart</p> <p>The collimator cart is designed to hold extra collimators and allows collimator exchange without removing the bed.</p>
1	<p>Dedicated Reconstruction System</p> <p>This high performance workstation is a state of-the-art 64-bit computer architecture capable of handling high resolution data without impeding workflow. This workstation is seamlessly connected to the acquisition console by allowing the user to perform advanced reconstructions from the acquisition console.</p> <p>Hardware:</p> <ul style="list-style-type: none"> - Intel Xeon 6 Core CPU - 16 GB RAM - NVidia Tesla GPU - NVidia Quadro Graphics Card - 500 GB SATA Hard Drive - Dual Port Gigabit Ethernet Onboard
1	<p>xSPECT Quant Tc99m</p> <p>xSPECT Quant is first and only quantitative software solution for Tc99m SPECT imaging. This unique advanced reconstruction technique enables absolute quantification of disease uptake that is both accurate and reproducible.</p>
1	<p>xSPECT Bone Bundle</p> <p>Advanced bone imaging reconstruction software that uses the CT as the frame-of-reference for the image reconstruction enabling therefore CT-like anatomical clarity and resolution.</p>
1	<p>xSPECT Quant Calibration Source</p> <p>This source kit contains includes a precision Co-57 point source required for calibrating the xSPECT Quant Tc99m option.</p>
1	<p>xSPECT Quant Source Registration</p> <p>Source registration kit for Symbia Intevo Quantitative Tc99m option. This kit contains information on updating site radioactive materials license, contact information for source vendor, and user instructions.</p>
1	<p>Internal ECG for Symbia</p> <p>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.</p> <p>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.</p> <p>The ECG waveform is displayed on the touch-screen Patient Positioning Monitor.</p>
1	<p>Under Floor PHS Cable</p> <p>Kit for routing the cable between patient bed and the Symbia T Series gantry under the floor.</p>

Qty	Item Description
1	Extra Hand Controller This option provides an extra hand controller for the Symbia T Series scanners.
1	Organ Processing for Symbia This upgrade will add organ processing capabilities to your acquisition workplace.
1	Cardiology Engine Advanced Cedars The Cardiology Engine Advanced Cedars assists in the diagnosis and quantification of coronary artery disease as well as in risk stratification for acute cardiac events. This engine also enables visualization of SPECT studies, quantified perfusion assessment, and quantification of coronary calcium.
1	syngo CARE Bolus The CARE Bolus option automatically triggers the start of a CT spiral scan when contrast media appears in sufficient density at a user defined location.
1	Remote Diagnostic Services Siemens Remote Services. A broadband VPN connection is required for full remote service functionality and optimal system uptime.
1	Symbia T Series US Installation This option includes the mechanical installation of the Symbia T Series camera system.
1	Initial onsite training 32 hrs 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.
1	MI_SYMB_FOLLOWUP 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.
1	CT Cross Trainer (Printed Self Study) 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.
1	MI SPECT Project Management A Siemens Project Manager (PM) will be the single point of contact for the implementation of your Siemen's 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.
6	CT Cross Trainer (Printed Self Study) 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

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Item Description

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.

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|---|---|
| 1 | Initial onsite training 32 hrs Gov Offse |
| 1 | Dual EmpowerCTA w/EDA (ceiling) |
| 1 | Low Contrast CT Phantom & Holder |

One complimentary biomedical tuition is included with the purchase of this system. This training must be completed before the end of the warranty period

Offset Part 14421656 Additional System Manuals

SPECT ELEVATE BONUS PROMO Elev e.cam dl Foresight

DESIGN AND CONSTRUCTION SERVICES Proposal No. 15-68-1016-2

Relocation Proposal #1-CNPCC8

Detailed Technical Specifications

Symbia Intevo 16

Description

The Symbia Intevo 16 camera system consists of the following integrated features:

- Gantry
- Patient Bed
- Acquisition Workplace
- SPECT Acquisition Features
- CT Acquisition Features

Gantry

Variable Angle, open design with 70 cm (27.6 in.) patient opening. The two new low profile 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 120 RPM (0.5 sec per revolution). 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.

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.

All motorized motions of the system are controlled from hand controller which can be plugged into either side of the gantry.

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:

- 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.)

A fully integrated source holder is provided for quick and convenient quality control.

Patient Bed

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 for multi-rotation continuous CT volume 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.

Acquisition Workplace

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.

Description

SPECT Acquisition Features

SPECT Acquisition Modes

- Planar static and dynamic
- Whole Body
- SPECT
- Gated SPECT
- Dynamic SPECT
- Whole Body SPECT

SPECT Features

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.

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.

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.

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.

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 come standard with our system:

- xSPECT Iterative Reconstruction

The xSPECT ordered-subset conjugate-gradient reconstruction algorithm uses xSPECT technology to register the SPECT information into the CT frame of reference laying the foundation for higher SPECT image resolution with xSPECT Bone (purchasable option) and accurate and reproducible quantitative results with xSPECT Quant Tc99m (purchasable option).

- Flash Iterative Reconstruction

Flash 3D is our 3D iterative image reconstruction solution. This solution offers the best reconstruction resolution in the market today following NEMA requirements. Flash 3D reconstruction uses a measured 3D collimator beam model in the iteration process. Correct modeling of the collimator distributes the activity over the slices for more accurate reconstruction. With Flash, the spatial resolution of the collimator is modeled to maintain the precise shape of the lesion. As a result, images are reconstructed with more counts in the correct volume, increasing image contrast. The key components behind Flash 3D technology are:

- Ordered Subset Expectation Maximization (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.

Description

- CT Attenuation Correction that creates very precise attenuation maps from the high quality CT data to correct for attenuation and increase reading accuracy.
- Scatter Correction that uses patient specific scatter projection estimates to form a generalized dual-or triple energy window method to compensate for scatter during the iterative reconstruction process.

CT Acquisition Features

CT Acquisition Modes

- 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

CT Features

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.

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.

Several clinical benefits are achieved with CARE Dose 4D:

- Significant x-ray dose reduction (up to 68 %) 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

SureView™ – Multislice Image Reconstruction System

- 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.

Workstream4D

4D workflow with direct generation of axial, sagittal, coronal, or double-oblique images from standard scanning protocols. Elimination of manual reconstruction steps. Reduction of data volume up to a factor of 10, since virtually all diagnostic information is captured in 3D slices. Fast image reconstruction of up to 16 images/s in 512 matrix is provided.

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.

Image reconstruction:

Reconstruction using raw data zoom with the possibility of freely selecting the image center either before scanning (prospectively) or retrospectively.

Description

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.

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.

Symbia utilizes energy independent low profile digital Foresight detectors.

Detector assembly technical specifications:

- 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

The Low Profile Digital Foresight Detector features:

- 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

The low energy high resolution collimator has the following technical specifications:

- 148,000 hexagonal holes
- Sensitivity: 202 cpm/microCurie
- Resolution: 7.5mm at 10 cm
- Weight: 22 kg (49 lbs)

The medium energy collimator has the following technical specifications:

- 14,000 hexagonal holes
- Sensitivity: 275 cpm/microCurie
- Resolution: 12.5 mm at 10 cm
- Weight: 64 kg (140 lbs)

The pinhole collimator with 4 mm aperture has the following technical specifications:

- 1 round hole
- Sensitivity: 123 cpm/microCurie for 99m Tc
- Resolution: 6.6 mm at 10 cm
- Weight: 80 kg (177 lbs)

SPECT imaging with a pinhole collimator is not allowed.

The pinhole collimator occupies the upper 2 locations on a collimator cart; Therefore, only an additional 2 collimators (1 pair) can be stored on the same cart.

IQ•SPECT is a unique ultra-fast cardiac solution option for general purpose SPECT systems. The foundation for

Description

IQ-SPECT relies on 3 key technological advancements:

- SMARTZOOM collimators
- Cardio-centric orbit
- Advanced reconstruction

SMARTZOOM collimators

The SMARTZOOM collimator is capable of magnifying the heart and capture up to 4 times higher sensitivity than conventional LEHR collimators.

Cardio-Centric Orbit

An intelligent Cardio-Centric Orbit is used to maintain the heart at the center of the SMARTZOOM field of view for every view of the acquisition.

Advanced Reconstruction

The advanced reconstruction method fully models the collimator and the camera system while performing distance-dependent isotropic resolution recovery, CT based attenuation compensation (Symbia T Series, Symbia Intevo Excel and Symbia Intevo systems), and energy window based scatter correction.

The entire IQ-SPECT solution was carefully designed to address the needs of the clinic, with a selection of optimized protocol options:

- 4 minutes using standard dose
- 8 minutes using half dose
- 16 minutes using only a quarter of the dose

The productivity package includes the following features:

- Integrated Collimator Changer
- Automatic Collimator Exchange
- Automatic Quality Control

Integrated Collimator Changer

Innovative collimator exchange system that is mounted beneath the patient bed. Saves time and effort when changing the most frequently used collimators. Holds two sets of low or medium energy collimators including SMARTZOOM collimators.

Automatic Collimator Changer

Fully automated changing of collimators within the integrated collimator changer. Collimator removal or exchange is initiated from the patient positioning monitor.

Automatic Quality Control

Automatic quality control is performed via self-shielding Gd-153 line and Co-57 point sources. The sources are housed in the patient bed and are extended automatically as part of the camera's quality control procedures. The daily, weekly, and monthly procedures are customer scheduled and performed automatically without manual intervention.

The useful life of the 370 MBq (10 mCi) Gd-153 line, used for daily extrinsic floods and monthly multi-head registration procedures, is 2 years. The useful life of the 1.85 MBq (50 μ Ci) Co-57 point, used for intrinsic floods, is 1 year.

Sources that have been replaced are returned to the source vendor for disposal. Return shipment costs are not included in the purchase price.

The collimator cart is automatically clamped to the patient bed once positioned by the user. The clamping mechanism allows precise collimator exchange to occur.

Description

The collimator cart is designed to hold 2 sets of collimators, or 1 set in combination with a pinhole collimator.

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.

xSPECT Quant is first and only quantitative software solution for Tc99m SPECT imaging. This unique advanced reconstruction technique enables absolute quantification of disease uptake that is both accurate and reproducible. With xSPECT Quant quantitative values are derived automatically during the reconstruction in units of Bq/ml or SUV's. These values can be confidently compared across patients, systems and time.

The most advanced SPECT bone imaging reconstruction software to date. This advanced bone imaging reconstruction software uses the CT as the frame-of-reference for the image reconstruction enabling therefore CT-like anatomical clarity and resolution. xSPECT Bone achieves this differentiation by first defining tissue classes based on attenuation coefficients at 140 keV—resulting in five tissue classes of air, adipose, soft tissue, soft bone and cortical bone. With these tissue classes identified, each image voxel is indexed in a μ -map where it is then classified as one of the five tissue classes. The result is the creation and implementation of a patient-specific linear zone map, which can improve image resolution. For the first time, physicians can potentially detect and distinguish between cancerous lesions and degenerative disorders and may better visualize small or low-uptake lesions thanks to a level of clarity and image detail never before experienced in nuclear medicine.

The useful life of the 111 MBq (3.0 mCi) Co-57 point source is 1 year.

Sources that have been replaced are returned to the source vendor for disposal. Return shipment costs are not included in the purchase price.

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.

Organ processing provides 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:

- 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
- Manual Fusion

The Cardiology Advanced Cedars engine provides the Cedars Cardiac SPECT Suite, a comprehensive set of quantitation programs for the evaluation of SPECT Myocardial Perfusion Imaging.

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.

Description

The Cedars application is an OEM product developed and supported by Cedars Sinai.

The engine calculates various Calcium Scores (Agatston, volume and calcium mass) to assess the risk of a cardiac infarct within user-defined regions for up to four coronary arteries. Visualization and localization consists of a functional VRT (Volume Rendering Technique) fused with an anatomical VRT, with a unique, real-time reorientation based on 3D volumetric images. The resulting areas of calcification or coronary arteries are overlaid on the VRT. One-Click Heart Isolation allows the user to isolate the heart from the surrounding tissue, while correlation of Calcium Scoring results with MPI slices and Fused VRT allows for easy navigation through areas of calcification.

Applications include: Cedars SPECT Suite and CardioScore.

This option automates the start of the acquisition to ensure the optimum utilization of the contrast medium bolus in its "plateau" phase in the target anatomic volume. The system monitors user-defined regions of interest and as soon as the contrast media reaches a predefined threshold in the monitored area, a spiral scan is triggered as quickly as possible.

A broadband connection is required for full remote service functionality and optimal system uptime. The Siemens Remote Service option allows for remote access to your networked workstations. Hardware may need to be purchased.

Features include:

- Image Transfer
- Remote updates including Virus Protection
- Error log retrieval
- Remote Workflow revisions
- Remote configuration
- License management
- Remote workstation control via netmeeting

Installation includes:

- Complete system assembly
- Alignment
- System startup
- Calibrations
- Performance verification to factory specifications

This option is required for all US Installations

Dual head EmpowerCTA CT injector w/EDA – ceiling mounted.

EmpowerCTA is a double barrel CT injector designed to inject ionic or non-ionic CT contrast medium followed by a bolus of saline, referred as saline chase (flush).

- Electroluminescent display
- Arming-at-the-injector makes it possible to arm the injector inside the CT scanner room.
- A separate power supply is used to supply power to the injector system as well as a means to connect the cables necessary for communicating with the remote control.
- The remote control is a self-contained microprocessor driven color touch screen display.
- The Extravasation Detection Accessory (EDA) is a patched base technology that uses the principle of bio-impedance to locally monitor the patient's tissue over the outlet of the venous access catheter.

Includes installation, applications and warranty through Acist.

This product has been tested and verified for compatibility with the following Siemens' products: SOMATOM Definition, Sensation, Emotion and Spirit. Compatibility with other products cannot be guaranteed and used w/any other products may void service contracts and/or system warranties.