

Qty	Description
1	Savannah - GE Optima - CT660 System
1	Optima - CT660 Systems <p>The Optima CT660 is GE's latest generation intelligent CT system. It is a scalable 128 slice platform including advanced innovations from our Discovery Series (TM), This means that Optima CT660 is capable of addressing your advanced clinical needs. Optima CT660 with Xstream gantry display is ready to help you deliver personalized care for your demanding patient schedule and quickly manage your unscheduled ED exams. With the Optima CT660 you get fast, high-quality acquisition at optimized dose for patients young and old, large and small, across a wide spectrum of procedures: angiography, brain, chest, abdomen, orthopedic, and more.</p> <p>Key Features:</p> <ul style="list-style-type: none">• Exclusive V-Res (TM) Detector technology providing 40mm of 0.625mm acquisitions• Volara* XT DAS (Data Acquisition System): The Volara* XT digital DAS for faster sampling and improved image performance and reduced artifacts• Fast coverage speed of 110mm/sec with sub-mm resolution• Full 360 degree rotation in 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0 and 2.0(axial) seconds, ensuring short breath holds, comfortable exams and flexibility to customize protocols for unique patient needs with minimal coverage impact• Routine thin slice scanning, as thin as 0.625mm optimizing the use of thinner images for sagittal, coronal, oblique, and volume image presentation and review• The overlapped reconstruction feature enables 384 slices reconstruction in helical acquisitions and 128 slices per rotation in axial mode delivering improved Z-axis visualization performance relative to non-overlapped reconstruction• Highly efficient compact geometry design delivering optimum performance of the x-ray tube and generator• Image decomposition to:<ul style="list-style-type: none">– Retrospective thin images from data sets where thicker images were initially reconstructed– Facilitates more detailed image analysis– Improves 3D and reformat visualization• Neuro 3D Filter provides users the capability to filter head acquisition data using specially designed and optimized 3D <p>Neuro 3D Filter is not available when ASiR is implemented.</p> <p>Fast, User-Friendly, Simultaneous Workflow:</p> <ul style="list-style-type: none">• Advanced Workflow Platform, the next evolution of GE's workflow platform built to help you maximize productivity.

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	<ul style="list-style-type: none"> – Delivers up to 35 images per second lips) reconstruction – Image Check delivers up to 55 images per second lips) reconstruction (340x340 matrix) – Up to 10 fps network transfer rates – Direct Multiplanar Reformats (DMPR) that enables the move from 2D review to prospective 3D review of sagittal, coronal and oblique planes automatically – Data Export and Interchange that allow you to easily share images with referring physicians and patients <ul style="list-style-type: none"> • One Stop ED mode: Optima CT660's exclusive 12" Xstream touch display on the gantry enables unique one stop ED scanning to streamlined ED exam workflow allowing patient selection, protocol selection and confirming exam parameters directly at the gantry, without having to leave the patients side. • Includes reference protocols and the ability to customize your own for a total of 6,840 programmable protocols • SmartPrep with Dynamic Transition allows low dose intermittent monitoring of intravenous contrast enhancement in a user-selected section of anatomy. With Dynamic Transition when the prescribed contrast enhancement is reached the system will automatically transition from the monitoring phase to the scan phase • 10 Prospective Multiple Reconstructions: Up to 10 reconstructions can be pre-programmed as part of the scan protocol prior to acquisition. The operator can select different start/end location, slice thickness, interval, interval reconstruction algorithms and display fields of view for each reconstruction. Assisting to prospectively prescribing the image reconstructions needed, even for complex trauma exams and freeing the user up to focus on the patient • 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 • New built-in 12-inch touch screen gantry display allows technologists to deliver personalized care by displaying the patient's name on it. When not scanning, the video of relaxing scenes or cartoons may have a calming effect on children or patients of all ages. • By using One Step patient positioning on built-in 12-inch touch screen gantry display the bed provides automatic positioning according to the type of exam, reducing manual positioning and streamlining workflow • 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

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	<ul style="list-style-type: none"> Has up to 250,000 uncompressed 512 x 2 image files storage capacity, and 3,520 scan rotations or up to 1,500 scan data files, or up to 300 exams. <p>Dose Management Leadership:</p> <ul style="list-style-type: none"> OptiDose management features: new bowtie filters optimized for adult and pediatric body exams, full 3D dose modulation, color coding for kids, tracking collimator hardware and software for x-ray beam tracking to name a few of GE's dose optimization features, all based on the ALARA principle Dynamic Z-axis tracking provides automatic and continuous correction of the x-ray beam shape to block unused x-ray at the beginning and end of a helical scan to reduce unnecessary patient radiation 3D Dose modulation - Before the scan, clinicians must select the desired Noise Index as well as the minimum and maximum mA setting. The system automatically accounts for the changing dimensions of the patients anatomy, enabling patient to patient reproducibility in this aspect of image quality and real-time x-y-z during each scan. Tracking collimator hardware and software for x-ray beam tracking to minimize patient dose Filtration of the x-ray beam is optimized independently for body and head applications DLP (dose length product), and dose efficiency display during scan prescription provides the patient's dose information to the operator Dose Reporting provides access to the CTDIvol and DLP with the patient record prior and post exam. DICOM Structured Dose Report is also supported. Dose Check provides the user with tools to help them manage CT dose in clinical practice and is based on the standard XR-25-2010 published by The Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA). Dose Check provides the following: <ul style="list-style-type: none"> Checking against a Notification Value if the estimated dose for the scan is above your site established value Checking against an Alert Value where the user needs specific authority to continue the scan at the current estimated dose without changing the scan parameters if the estimated dose exceeds the alert value The ability to define Alert Values for Adult and Pediatric with age threshold Audit logging and review capabilities Protocol Change Control capabilities <p>The Advanced Reconstruction breaks through existing limits on speed, image quality and flexibility to provide an optimized volumetric workflow solution from acquisition to final report and has the capability to deliver up to 16 full fidelity images per second (ips) reconstruction and 10 fps network transfer rates.</p>

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	<p>Clinical Benefits:</p> <ul style="list-style-type: none"> • CTA runoffs • Thin slices fast; routine use of thin slices • Organ coverage in arterial phase • Long helical scans • Multi-phase organ studies • Improved multi-planar reformats with isotropic microvoxel imaging • Fast scanning with outstanding image performance and GE's proprietary cross beam and hyperplane helical reconstruction algorithms • System designed for optimization of z-axis resolution and dose with 0.625mm slice thickness <p>System Components:</p> <p>Gantry:</p> <ul style="list-style-type: none"> • Advanced slip ring design continuously rotates the generator, Performix 40 X-ray tube, detector and Volara XT digital data acquisition system around the patient. <ul style="list-style-type: none"> – Aperture: 70 cm – Maximum SFOV: 50 cm – Rotational Speeds: 360 degrees in 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0 and 2.0(axial) seconds – Tilt: +/- 30 degrees, speed 1 degree/sec – Remote tilt from operators console – Integrated breathing lights and countdown timer – Integrated 12-inch touch screen on gantry with workflow features – Integrated start scan button with countdown timer to indicate when x-ray will turn on • Visual readout is easy to read from the tableside or from the operator console. Gantry tilt controls are located on the side of the gantry. <p>Laser Alignment Lights:</p> <ul style="list-style-type: none"> • Defined internal and external scan planes to +/- 1mm accuracy • Operate over full range of gantry tilt • Coronal light remains perpendicular to axial light as gantry tilts <p>Table:</p> <ul style="list-style-type: none"> • Cantilever design for easy access • Vertical range: 43.0 cm to 99.1 cm • Vertical scannable range: 79.1 cm to 99.1

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	<ul style="list-style-type: none"> Horizontal range: 1,745 mm (VT1700 table) or 2,045 mm (VT2000 table) Horizontal Speed: up to 137.5 mm/sec Table load capacity: 227 kg (500 lb) +/- 0.25mm positional accuracy
	<p>X-ray Tube: Performix 40 metal-ceramic tube unit</p> <ul style="list-style-type: none"> Performix 40 tube with 6.3 MHU of storage and capable of 72kW operation provides increased helical performance with greater patient throughput Wide range of technique (10 mA to 560 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 of examinations. Maximum anode heat storage capacity: 6.3 MHU Dual Focal Spots: <ul style="list-style-type: none"> Small Focal Spot: 0.9 x 0.7 IEC60336:2005 Large Focal Spot: 1.2 x 1.1 IEC60336:2005 Maximum power: 72 kW Beam collimated to 56 degree fan angle
	<p>High Voltage Generator: High Frequency on-board generator allows for continuous operation during scan.</p> <ul style="list-style-type: none"> 72 kW Output Power kV: 80, 100, 120, 140 kV mA: 10 to 560 mA, 5 mA increments
	<p>Maximum mA for each kV Selection (large focal spot):</p> <ul style="list-style-type: none"> 400mA @ 80kV 480mA @ 100kV 560mA @ 120kV 515mA @ 140kV
	<p>V-Res Detector: The V-Res detector was designed for high performance imaging. The V-res detector benefits are:</p> <ul style="list-style-type: none"> Solid 40mm coverage per rotation GE's exclusive patented detector material
	<p>Volara XT Digital DAS (Data Acquisition System): The Volara XT digital DAS dramatically reduces electrical noise for improved imaging performance.</p> <ul style="list-style-type: none"> 2,460Hz maximum sample rate Effective analog to digital conversion

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	<p>Optima CT660 Operator Console:</p> <ul style="list-style-type: none"> • 1,792GB of total system storage • Up to 250,000 512 x 2 images and 3,520 scan or up to 1,500 scan data files or up to 300 exams • 4.7 GB DVDR/CDR for DICOM interchange (not recommended as a long term archive) <p>Image Networking: Exams can be selected and moved between the Optima CT660 CT System and any imaging system supporting DICOM protocol for network send, receive and pull/inquiry.</p> <ul style="list-style-type: none"> • Standard Auto-configuring Ethernet • Direct Network Connection • Supports 1GB or 1000/100/10 BaseT <p>DICOM Conformance Standards</p> <ul style="list-style-type: none"> • DICOM Storage Service Class • Service Class User (SCU) for image send • Service Class Provider(SCP)for image receive • DICOM Query/Retrieve Service Class • DICOM Storage Commitment Class Push • DICOM Modality Worklist (incl. Performed Procedure Step) (through ConnectPro option) • DICOM Print <p>The Optima CT660 workflow platform is designed to deliver high performance in each of these tasks:</p> <ul style="list-style-type: none"> • SmartTools Simplifies Scan Setup and Includes All Reconstructions, Filming, Archiving, Transferring Propsectively • Workflow platform built on the LINUX operating system delivers up to 35 fps reconstruction and 55 fps with Image Check, and the fastest network transfer rates of up to 10fps • Data Export and Interchange allow you to easily share images with referring physicians and patients • Direct MPR that enables the move from 2D review to 3D image review of axial, sagittal, coronal and oblique planes automatically • Exam Split delivers the capability to split a series of patient images into seperate groups for networking • Exam Rx desktop environment provides the clinical tools desired for fast, efficient control of patient studies. Exam Rx tools include patient scheduling and data entry, exam protocol selection, protocol viewing and editing, scan data acquisition, image display and routine

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	<p>analysis, AutoTransfer, AutoStore, and AutoFilm</p> <ul style="list-style-type: none"> ImageWorks is a desktop environment designed to take advantage of the Optima CT660 CT System advanced computer systems. Standard features include archive, network and manual film control, as well as some advanced image processing such as Direct multi-planar reformatting (DMPR), multi-projection volume rendering (MPVR) and display. The ImageWorks desktop also provides a gateway for DICOM 3.0 image transactions, either through a local area network, or via DICOM-formatted media Volume Viewer includes Volume Analysis, Volume Rendering and Navigator software. This combination allows the user to render volumetric data in three dimensions for use in analysis of patient condition, i.e. CT Angiography (CTA), gives more information on the spatial relationships of structures than standard 3D, allows the translucent visualization of structures for improved problem solving, can perform "virtual endoscopies" of air and contrast filled structures. Enables 3D reformats in any plane, ALL on the Xtream ready console <p>Scan Modes: The Optima CT660 system can perform virtually any clinical application due to its wide variety of scan modes. Helical scan mode offers continuous 360 degree scanning with table incrementation and no interscan delay. Axial scan mode allows for up to 64 contiguous axial slices acquired simultaneously with each 360 degree rotation.</p> <ul style="list-style-type: none"> Helical scanning pitches: 0.516:1, 0.984:1, 1.375:1 Retrospective reconstruction image thicknesses: 32 x 0.625, 64 x 0.625, 128 x 0.625* <p>* Available only with Overlapped Reconstruction option (axial mode & 40 mm coverage)</p> <p>Scan Enhancements:</p> <ul style="list-style-type: none"> Anatomical programmer: a ten region anatomical selector allows quick and easy access to user programmable protocols and a separate selector for adult and pediatric exams with greater than 6,840 protocol storage available. Protocols include preset scan time, kV, mA, scan mode, image thickness and spacing, table speed, scan FOV, display FOV and center, recon algorithm, and special image acquisition and processing options like DMPR Any scan parameters may be edited for each scan or all scans - either before or during an exam. The number of scans may also be easily changed AutoScan: Automates longitudinal table movement and start of each scan Auto-Voice: 3 preset (9 languages) and 17 user defined messages automatically deliver patient breathing instructions, especially useful for multiple helical scanning Trauma Patient: Allows patient scans and image display/analysis without entering patient data before scanning

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	<ul style="list-style-type: none"> Reconstruction Algorithms: Soft Tissue, Standard, Detail, Chest, Bone, Bone Plus, Lung, and Edge <p>Warranty: The published Company warranty in effect on the date of shipment shall apply. The Company reserves the right to make changes. All specifications are subject to change.</p> <p>Regulatory compliance: This product is designed to comply with applicable standards under the radiation control for Health and Safety Act of 1968.</p> <p>Laser alignment devices contained within this product are appropriately labeled according to the requirements of the Center for Devices and Radiological Health.</p> <p>Siting Considerations: See the Pre-Installation manual for details of the siting requirements for the Optima CT660.</p> <p>This product is a CE-compliant device that satisfies IEC60601-1:1998 and applicable collateral and particular standards, including regulations regarding Electro-Magnetic Compatibility (EMC) and Electro-Magnetic Interference (EMI), pursuant to IEC-60601-1-2:2004.</p>
1	English Keyboard (Black) for CT systems and system labels
1	Optima CT660 Cable set
1	The CT system 2000 table enables volume scanning. Key features of the VT 2000 table include: 500 lb weight capacity, 2000 mm scannable range, 175 mm/sec travel time, real-time position control to support advanced application such as SnapShot Pulse, VolumeShuttle, and Volume Helical Shuttle.
1	<p>The Freedom workspace is an ergonomic working environment specifically designed for use with the GE Healthcare imaging systems. The sleek table design enables the efficient use of space while enhancing clinical workflow and technologist comfort.</p> <p>The Freedom workspace provides a minimalist footprint to improve patient visibility and giving the user easier access to patients in the imaging suite.</p> <p>It offers sit/stand and horizontal/vertical monitor flexibility. It can also help reduce noise and heat with remote location options of the console. The non-adjustable Freedom workspace version is 1300mm long x 895mm wide x 850mm height and weighs 55.8kg.</p>
1	<p>ASiR(TM)(Adaptive Statistical Iterative Reconstruction) dose reduction technology*</p> <ul style="list-style-type: none"> ASiR reconstruction technology may enable reduction in pixel noise standard deviation (a measurement of image noise). The ASiR reconstruction algorithm may allow for reduced mA in the acquisition of images, thereby reducing the dose required*. A reconstruction technology that may enable improvement in low contrast detectability*.

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	<p>* In clinical practice, the use of ASiR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.</p>
1	<p>2 Phase 10 KVA Partial UPS for CT Lightspeed and Lightspeed PRO</p> <p>The 2 Phase 10 KVA Partial System UPS kit has been specifically designed to coordinate with the BrightSpeed, LightSpeed and LightSpeed PRO 16 families of CT scanners. In the event of a power outage, a partial system UPS provides continuous back-up power to the scanner host and control computers, thus assuring no loss of usable scan data. In addition, critical circuits in the gantry and table remain powered which facilitate the safe removal of the patient from the scanner. If power is restored within the battery hold-up time, the operator can continue scanner operations without the need to reboot the system. When longer power outages are anticipated, the UPS provides time for the operator to complete an orderly shutdown of the system software.</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> • True double-conversion, online technology provides reliable operation and uninterrupted glitch free power. • Automatic voltage and frequency selection eases startup, i.e., 50 or 60 Hz compatible • Integral Static Bypass switch means zero transfer time • Integral Manual Bypass switch facilitates continued scanner operation while UPS is being serviced • Single input connect utilized for both UPS input and static switch • Maintains system electronics and allows critical scanner operations to continue for 10 minutes (typical) after loss of power • Advanced Battery Management (ABM) software monitors / indicates battery health and doubles battery service life <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> • Dimensions (H x W x D): 32.7" x 12" x 32" • Weight: 350 lbs. • Rating: 10 kVA • Input Voltage Range: 85-144V / ph; 2 Phase • Output Frequency: 50 or 60 Hz, auto-sensing <p>COMPATIBILITY</p> <ul style="list-style-type: none"> • HiSpeed Advantage-RP, CT/I, Lightspeed QXi, LightSpeed Plus, LightSpeed Ultra, LightSpeed 16, BrightSpeed Systems, LightSpeed Pro 16 and RT Systems, Discovery NM 670 (Nuc)

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	<p>NOTES:</p> <ul style="list-style-type: none"> Customer is responsible for rigging and arranging for installation with a certified electrician ITEM IS NON-RETURNABLE AND NON-REFUNDABLE
1	<p>90 Amp Main Disconnect Panel for CT</p> <p>This 90 amp main disconnect panel for GEHC CT systems provides emergency shut down, undervoltage protection, overcurrent protection, local disconnect for the imaging system. It also reduces installation time and cost by providing a single-point power connection eliminating the need to mount and wire a number of individual components. The standardized design and testing assures high product quality and system reliability, and it is UL and cUL listed for compliance with National Electric Code. Panel can be surface or semi-flush mounted and includes one remote emergency off push button. Customer is responsible for rigging and arranging for installation by a licensed electrician. ITEM IS NON-RETURNABLE and NON-REFUNDABLE Warranty Code: Y</p>
1	Medrad CT Stellant D w/ Dual Flow - Medium Post 85 cm
1	<p>Medrad Stellant P3T Cardiac Protocol Option</p> <p>P3T Cardiac computes custom injection protocols as well as scan timing for each patient, enabling personalized care and patient safety while maintaining efficient workflow.</p> <ul style="list-style-type: none"> Utilizes the power of DualFlow technology (simultaneous injection of contrast and saline) to obtain functional cardiac data Enables more consistent images across varied patients, studies and technologists Eliminates the need to estimate injection protocols for complicated studies
1	<p>Slicker - CT HD750 and VCT w/GT 2000 Table (2 Piece Set)</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> Two-piece, sealed slicker cushion set has comfort pads enclosed inside the slicker cover and extender cover Durable, clear PVC plastic cover facilitates faster, more thorough cleanup of blood and fluids Increase system uptime by protecting table from spills and particulate contaminants Thermo-sealed seams and flaps prevent contaminate buildup in hard to clean areas <p>COMPATIBILITY</p> <ul style="list-style-type: none"> VCT with GT 2000 Table, CT HD750

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1	<p>Footswitch Slicker for CT HD750 and VCT Systems</p> <p>The footswitch slicker for CT VCT 2000 and 1700 systems is made of durable, clear PVC plastic that protects the footswitch and facilitates faster, more thorough cleanup of contamination caused by blood and other body fluids. Cover is held securely in place with Velcro...H</p>
2	<p>6 Day CT TiP Onsite System Training</p> <p>CT Onsite Training for a new CT system</p> <ul style="list-style-type: none"> • One 4 day onsite visit to coincide with system start-up. • One 2 day onsite follow-up visit 6-8 weeks post system start up. <p>During the first visit, the applications specialist will work with the medical and technical staff on system operation and patient procedures. The training produces the best results when a dedicated core group of 2-4 CT technologists complete the session with a modified patient schedule. It is suggested that key physicians are available to participate in the protocol implementation and image quality review sessions. By the end of this visit, the core group should be able to perform the routine patient procedures.</p> <p>The 2 day revisit is suggested after the staff has run the system for 6-8 weeks, however this is flexible based on the site needs. The training will focus on the intermediate and advanced functions of the system or special needs of the customer. The training produces the best results when the same dedicated core group of 2-4 CT technologists from the initial visit complete the session with a modified patient schedule.</p> <p>This training program must be scheduled and completed within 12 months after the date of product delivery.</p>