

XR CT, VAMC CLEVELAND, OH

PO# 541-B73025

TRADE IN

Qty	Catalog No.	Description	Ext Sell Price
1		Revolution CT system	
1		<p>Pricing Non-Disclosure Language</p> <p>This CONFIDENTIAL offer may not be shared with any third parties, buying evaluation groups or anyone not directly employed by customer. This offer is being extended in relation to a national show-site agreement, research partnership, or other non-standard transaction. If required for publishing, GE will happily provide a list price quote.</p>	
1		<p>Revolution CT EX Configuration</p> <p>Revolution CT EX configuration is a breakthrough that delivers high-definition image quality and unique clinical capabilities through the convergence of coverage, spatial resolution, temporal resolution and dose performance – all in one. Until now, CT users have had to compromise between systems that could only provide a sub- set of these capabilities.</p> <p>The Revolution CT delivers industry leading technical specifications for a premium CT system, including:</p> <ul style="list-style-type: none">• VHD reconstruction, 3D Collimator, and focal aligned detectors provide high-definition image quality, while overcoming the challenges of typical wide detector systems such as cone beam artifacts, HU uniformity, scatter and beam hardening artifacts.• ASiR-V provides integrated advanced iterative reconstruction technology that reduces noise and reduces low-signal streak artifact at very low signal levels. This technology is designed to deliver reduced noise levels, improved low contrast detectability and may enable a reduction in dose for all clinical applications. In clinical practice, the use of ASiR-V may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. <p>A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.</p> <p>Clinical Highlights</p> <p>(To achieve the full benefits described below, an AW workstation or server with post processing tools may be required. Please consult with your GE sales representative)</p> <p>Cardiovascular</p> <ul style="list-style-type: none">• One-Beat , High definition, motion free coronary images at any heart• Whole heart coverage at 160 mm allowing temporal and contrast uniformity across the whole volume.	

Qty	Catalog No.	Description	Ext Sell Price
		<ul style="list-style-type: none"> • Smart Phase: Analyzes the motion of the coronaries throughout the volume to auto-select the best cardiac phase with the least motion. • SnapShot(TM) Freeze temporal enhanced acquisition: A Intelligent motion correction acquisition technique that is designed to provide a 6x reduction of motion-blur while maintaining high spatial resolution and is demonstrated in cardiac phantom testing. The reduction in motion artifacts is comparable to a 0.058s equivalent gantry rotation speed with effective temporal resolution of 29 msec, as demonstrated in mathematical phantom testing. • Arrhythmia management: The system can monitor and alert the user to these situations and also recommend turning on a challenging patient mode. This mode avoids scanning during an irregular beat and can further rescan during the next regular beat using the same contrast bolus. • Best-in-class spatial resolution at 18.2lp/cm in z-direction and 14.8lp/cm in X-Y direction (measured at 2% MTF). This spatial resolution provides clear images to help the physician with tasks such as accurately quantifying stenosis in coronary and other vascular structures. • One-Beat, comprehensive cardiac assessment allows for acquiring motion free coronaries, rest or stress perfusion and functional data in a single beat , giving you a comprehensive assessment and potentially reducing the need for additional imaging tests. Integrated beam hardening reduction capabilities allows for accurate perfusion assessment. The ability to perform stress perfusion with motion free CCTA in a single exam can potentially reduce unnecessary dose by not requiring a rest perfusion exam in case no defects are found in the stress perfusion. • Whole organ dynamic perfusion: This allows perfusion acquisition of the heart or other organs and tissues with uniform contrast along with integrated beam hardening reduction. The scanner also allows for a flexible aperture size and sampling rate during dynamic perfusion acquisitions. Revolution CT also allows for the ability to acquire a prospectively gated dynamic perfusion acquisition of the whole heart using up to 16 cm of coverage. • The scanner is also capable of 4D imaging to acquire morphology and perfusion information from a single exam. This can help assess conditions such as congenital heart disease and visualize blood flow through vascular structures. • TAVR planning: Dedicated TAVR/TAVI protocols allow for mixed acquisitions of the heart, aorta, and femoral arteries, with ECG-gated axial scans and non-ECG- gated axial or helical scans, using only one injection of contrast 	

Qty	Catalog No.	Description	Ext Sell Price
		<p>media, covering 700 mm of anatomy in less than 10 seconds.</p> <ul style="list-style-type: none"> • Calcium Scoring: The system also allows single beat acquisition for cardiac calcium scoring • Triple RuleOut™: The system allows for robust Triple Rule Out studies with motion free coronaries, PE & aorta evaluation in a single exam. The system can cover the entire thorax anatomy in less than three seconds to provide contrast uniformity at low dose. <p>Neurology highlights</p> <ul style="list-style-type: none"> • Routine non-contrast whole brain scans can be performed in a single rotation without moving the table. VHD reconstruction technology ensures CT number uniformity across the whole brain coverage. Iterative MMAR can reduce the beam hardening artefacts at bone / brain interface and posterior fossa region. Enhanced Contrast can achieve excellent grey white matter differentiation. • Smart Stroke, the stroke-dedicated hardware, software and post-processing solution on Revolution CT, can help physicians to reduce “CT scan-to-report” time and “door-to-treatment” time, thus to save more brain tissue of patient with stroke. (Post processing solutions are optional purchases) • Whole brain CT perfusion with 70kVp, ASiR-V, smart collimation and variable sampling can acquire temporally uniform dynamic blood flow information to achieve accurate volumetric perfusion values at lower dose. • Single phase or dynamic 4D whole brain CTA can be acquired within a single exam of whole brain CT perfusion to achieve comprehensive functional and anatomical assessment of the brain. <p>Body highlights</p> <ul style="list-style-type: none"> • Whole organ diagnosis and follow-up of organs such as the liver, kidneys, and pancreas is enabled by dynamic acquisition modes. The scanner can also acquire multiple images at the same location over time to provide a 4D view to assess vascular flow to these organs. • Fast body scans enabled by multi-volume 16cm acquisition with excellent image quality allows for reduced breath hold times and shallow breathing. Dose is minimized through the ability to select collimations between 5 mm and 160 mm personalized to each patient. • Low Dose Lung Cancer Screening protocols <p>Emergency & Trauma</p> <ul style="list-style-type: none"> • The system allows for robust Triple RuleOut™ acquisition for all patients 	

Qty	Catalog No.	Description	Ext Sell Price
		<p>providing One-Beat , high definition, motion free coronaries, PE and aortic dissection in a single exam covering the entire thorax in less than three seconds. ECG gating and mA modulation along with flexible collimations enable low dose acquisition personalized to the patient.</p> <ul style="list-style-type: none"> • Flexible scanning modes with 160 mm axial scan, 80 mm helical scan, table speeds as fast as 300 mm/s, and short inter-group scan delay allows for ultra-fast and versatile whole body and multi-group scanning, thus reducing the effect of breathing and other motion during the poly trauma scan. • Smart Trauma with clinical ID can enable recon priority for trauma scans, prospective DMPPR settings and faster reconstruction throughput. <p>Pediatrics</p> <ul style="list-style-type: none"> • Split second pediatric trauma acquisition of abdomen/pelvis is enabled by wide 160 mm z-coverage, thus reducing the need for sedation and eliminating unnecessary repetition of rescanning young children due to failed sedation, as is the case in 29% of conventional exams, shown in a large trial (British Journal of Anesthesia, 84 (6), 743-8 (2000)) • 70kV scan mode allows for minimizing dose to pediatric patients while preserving excellent contrast to noise ratio and image quality. <p>Musculoskeletal Imaging</p> <ul style="list-style-type: none"> • The Revolution CT can acquire high definition images of the bone with excellent details. Multi-Material Artifact Reduction (MMAR) technology can significantly reduce artifacts from metal objects such as screws and plates. • 4D dynamic imaging mode can acquire kinetic studies to assess joint articulation up to 16cm coverage. <p>Dual Energy Capability</p> <p>Revolution CT features protocols which allow easy configuration of back to back Axial or helical scans of the same anatomy my at two different X-ray energies (kVp's). To further improve registration accuracy patient immobilization may be utilized. The additionally acquired dual energy data can be post-processed on AW Workstation using Add/Sub function to gain additional clinical information.</p> <p>Key Hardware Components</p> <p>Gemstone Clarity Detector</p> <p>The Gemstone Clarity detector features a unique focally aligned layout of the detector sub-modules and a 3D collimator (post patient) to minimize scatter artifacts, ensure HU uniformity & reduce beam hardening artifacts</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>associated with wide coverage systems. Combined with VHD reconstruction technology, the system delivers excellent image quality at full 160 mm coverage to enable whole organ imaging. The Gemstone Clarity detector also features a revolutionary ultra-low capacitance photo diode with new ASIC technology that redefines electronic noise at the quantum limit to less than 3 photons @ 120 keV (3100 electrons). The detector includes acquisition electronics which allow 4x faster bandwidth and 3x faster trigger rate than previous generations and reduces electronic noise by 25% which may improve image quality and reduce artifacts in low signal conditions as may be encountered in large patients. 3D Collimator Scatter Reduction Technology reduces scatter to primary ratio by more than 50% (R Melnyk, J Boudry, X Liu, and M Adamak, "Anti-scatter grid evaluation for wide- cone CT," Proc. of SPIE, Vol. 9033, 90332P1-7, 2014) and results in significant improvement in image quality and reduction in beam hardening and metal artifacts.</p> <p>Gemstone Clarity detector specifications:</p> <ul style="list-style-type: none"> • Z-Coverage/360 degree rotation: 160 mm • Number of slices: 512 • Number of detector rows: 256 • Number of detector elements: 212,992 cells with individual electronic/DAS channels • Sampling rate: Up to 2,496 views per rotation (Up to 8914 Hz) • Electronic noise: less than 3 photons noise (3100 electrons) • Effective analog to digital conversion range >2,000,000:1 • Scintillator speed: 0.03us (100 times faster than GOS) • Afterglow: 0.001% (4 times lower than GOS) • Radiation damage: 0.03% (20 times less than GOS) • Scatter to Primary Ratio: <10% • Detection efficiency: 98% @ 120 kV <p>Performix HDw tube</p> <p>The Performix HDw tube is a next generation anode-grounded, metal-ceramic x-ray tube. The tube enables improved spatial resolution via dynamic in-plane focal spot deflection and independent control of the focal spot size in both X and Z-axis which optimizes the focal spot to deliver consistent beam quality across the full 160 mm Z-axis coverage, making it one of the most innovative CT tubes offered today. The design is optimized for exams requiring a large number of scans without tube cooling. It is</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>powered by an onboard high frequency generator capable of ultra-fast kVp switching. Due to the ultrashort exposure times associated with wide coverage scanning, traditional metrics related to tube cooling such as anode heat content & cooling rate lose their relevance. The GE Performix HDw tube includes a standard license that automatically enables the use of tube dependent advanced applications. The use of a third party X-ray tube will require an additional license for the activation of these features.</p> <p>Ultra-fast kV Switching Generator</p> <p>The new generator features 3x faster rise and fall times for kV switching compared to previous generator. This would allow for more time to be spent at the target energy levels and result in better energy separation between the datasets acquired at different kV levels using fast kV switching.</p> <ul style="list-style-type: none"> • Generator maximum peak power: 103 kW • Tube current range: 10-740 mA with 5 mA increments • Tube voltage: 70, 80, 100, 120, 140 kV. Automatically selected through kV Assist based on patient body habitus and examination type • Max x-ray tube assembly heat content: 5.0 MJ (6.8 MHU) • Max continuous heat dissipation: 3.0 kW • Focal spot size according to IEC 60336/2005: 1.0 x 0.7mm, 1.6 x 1.2mm, 2.0x1.2mm <p>Gantry and Slipping</p> <p>Revolution CT's gantry platform has been designed from the ground up to support the demands of today's scanning environment. Exclusive Whisper Drive system technology reduces audible noise during gantry rotation at 0.28s by more than 50% compared to a typical belt driven system thus improving patient comfort (audible gantry noise is measured at 69 dBA). The contactless slipping transfers power and data to and from the rotating side of the gantry (slip ring) to the stationary side through contactless RF technology. This eliminates carbon dust due to brush wear- out in typical CT systems thereby increasing the reliability of the system. In addition, the gantry frame features redundant fail-safe mounts for all major components that is designed and tested to stringent standards to ensure safe and reliable operation even at fast rotation speeds.</p> <ul style="list-style-type: none"> • Aperture: 80 cm • Focus-to- detector Distance: 109.7 cm • Focus-to- isocenter Distance: 62.6 cm • Scan FOV: 50 cm 	

Qty	Catalog No.	Description	Ext Sell Price
		<ul style="list-style-type: none"> • Rotation speeds: 0.28s, 0.35s, 0.5s, 0.6s, 0.7s, 0.8s, 0.9s, 1.0s per 360° acquisition • Temporal resolution: 140ms cardiac temporal resolution without using SnapShot Freeze. 29ms effective temporal resolution using SnapShot Freeze. (As demonstrated in mathematical phantom testing)(AW workstation or server with CardIQ Xpress 2.0 required to process SnapShot Freeze data) • Data chain bandwidth: 40 Gbps • Table and gantry control panels: Define both internal and external scan planes to +/- 1 mm accuracy. Activated any time during exam (with tube stationary) • Front and rear integrated gantry LCD Display: Display patient information, ECG data from the integrated ECG module, built-in patient breathing lights and countdown timer, cardiac gating indicator light and patient information videos • Flexible cable manage system with coordinated straps attached to the gantry sides to keep cables connected to the gantry away from the floor and to reduce clutter <p>Operator Console</p> <p>The Revolution CT scanner desktop allows simultaneous scanning, image reconstruction, display, processing and analysis, as well as networking and archival.</p> <p>It features the new "Clarity Operator Environment" designed with your everyday needs in mind. The environment allows for more real time adaptive capabilities thus enabling dramatical- ly improved timing with Smart Prep including automatically transitioning to acquisition in as quickly as 1 second when the set HU threshold is reached. The benefits provided by the new interface include:</p> <ul style="list-style-type: none"> • Smart prescription workflow automates scan set up by recommending scan parameters specific to the patient based on scout attenuation and ECG information, in the case of cardiac, to enable consistent image quality & dose performance across scans, irrespective of the technologist expertise level • Seamless multi-tasking through ability to have multiple patient sessions open with one active patient for acquisition and the rest for post-acquisition tasks • "Plan ahead" task list as part of scan setup automates repetitive tasks such as reconstructions, image transfer, image processing, etc. without requiring technologist intervention 	

Qty	Catalog No.	Description	Ext Sell Price
		<ul style="list-style-type: none"> • Ability to prospectively prescribe multi planar reconstructions for anatomies such as spine as part of the protocol, thus automating the workflow seamlessly • Clear status visibility across all automated patient tasks without any interaction enables you to focus on the primary task at hand • Manage your patient flow better with the ability to pre- pare scan prescription for the next patient while the current patient is getting off the table • Quickly select scan protocols through global search, anatomical selection or user specific favorites in the new- ly designed protocol management system • Facilitates protocol consistency by controlling access to changes and simplifying inputs required • Integration with AW allows prescribing automatic image processing steps to be performed on the AW / AW Server post acquisition • Better dose awareness through clearly visible real time projected dose indicator for the selected protocol <p>Operator console specifications</p> <ul style="list-style-type: none"> • Intel Xeon performance processor: 2.60GHz/8-Core CPU (or equivalent) • Nvidia high performance GPU (or equivalent) • 64 GB DDR3 unbuffered ECC (or equivalent) • 24 inch dual monitors with screen resolution of 1920x1200 • Image data storage up to 700,000 uncompressed DICOM images (512x512) • Scan data storage of 1 TB (up to 1500 scan files are supported) • DVD-ROM (supports DVD-R, DVD-RW, DVD+R, DVD+RW, DVD+R DL, CD-R, CD- RW) • USB 3.0 Port for External Hard Disk Drive Connectivity (scan data storage and image data storage are supported) • Recon Server Xstream enables recon task parallelism and achieves up to 1.8x faster reconstruction throughput than Recon Server Pro • Image reconstruction speed up to 65 fps with FBP and up to 25 fps with ASiR-V. <p>System Software</p> <p>Smart Flow</p> <p>Simplified, automated scan prescriptions, personalized to the patient and easy-to-use reference protocols make the Revolution CT fast and efficient in</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>patient set-up, prescription & scanning. The following features further help you streamline your workflow.</p> <p>Protocol Management System</p> <p>Protocols can be copied, built and edited intuitively using the Protocol Management System.</p> <ul style="list-style-type: none"> • GE Reference Protocol: A set of predefined protocols for adult patients that cannot be modified but can be copied and used. These protocols are factory installed. They have been developed in collaboration with clinical partners to provide users with a convenient and clinical relevant starting point for tailoring your departmental protocols. • Recently Scanned Protocols: A copy of the last 90 protocols reside exactly as they were used for review purposes only. These protocols can also be copied and used within into your departmental protocols. • Anatomical Selector: Use the Anatomical Selector area to select a specific anatomical region to show only protocols related to that region. • Favorites: A user can add to a list of favorite protocols commonly used by your site. <p>Clinical ID</p> <p>Clinical ID is designed to streamline the clinical application specific workflow from protocol setup to reconstruction prioritization and automated reformatted views for timely diagnostic decisions. In 2016 summer release, Clinical ID is the integral part of Smart Stroke and Smart Trauma solutions.</p> <p>AutoVoice™</p> <p>Auto Voice provides recorded breathing instructions for the patient. Consistent breathing instructions assist with more precise timing during an exam. Auto Voice also provides a pre- message in the SmartPrep feature. The system also comes equipped with microphones at the console and gantry for communicating with the patient. The system has three, pre-recorded messages in ten selectable languages that cannot be deleted. You can also record up to 17 additional messages for each language. Default language options include: Chinese, English (Female) , English (Male), French, German, Italian, Korean, Japanese, Spanish (European), Spanish (Latin America).</p> <p>Smart Patient Centering</p> <p>The smart patient centering feature helps to detect suboptimal centering prior to the diagnostic scan. When scout is acquired, the system will assess patient centering. If the patient is off-centered greater than 2 cm, the system will display the table height location and an up or down arrow to indicate the</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>elevation needed to reach that height.</p> <p>SmartStart (TM)</p> <ul style="list-style-type: none"> • Gantry-mounted start scan button and countdown display, • Facilitates single-technologist operation by allowing start of scan at the gantry, with a visual reminder of time until X-ray initiation <p>SmartPrep TM with Dynamic Transition</p> <p>Enables real-time monitoring of IV contrast and a user-selectable mode to dynamically transition to the diagnostic scan phase when a user entered Enhancement Threshold is reached in the Transition ROI.</p> <p>Trauma Patient entry</p> <p>Allows patient scans and image display/analysis without entering patient data before scanning.</p> <p>Prospective Exam Split</p> <p>Prospective Exam Split allows operator to specify how to split images from a scan into separate requested procedures/accession numbers in protocol management. This capability is especially useful in cases of full body trauma or for chest, abdomen and pelvis exams. Prospective Exam Split works with primary, secondary and reformatted images.</p> <p>Smart DMPR</p> <p>Smart DMPR can automatically generate reformatted views with prospectively set window width and window level and automatically transferring these image datasets to the designated PACS destination for fast review and diagnosis.</p> <p>Digital Tilt</p> <p>The system has preset protocols that can be selected prospectively, which allows images to be reconstructed at a specified tilt angle. This capability, combined with organ dose modulation and tilted head holder accessory for the patient allows for reducing the dose to sensitive organs such as the eyes while also reducing dental artifacts.</p> <p>Enhanced Xstream Injector (Requires a compatible Bayer or Nemoto Injector system)</p> <p>The Enhanced Xstream Injector provides synchronization of the start of the scan and the start of the contrast injector using the start scan button on the Scan Control Interface or the gantry controls. The Enhanced Xstream Injector also allows setting of the contrast injector parameters within the CT scan protocol and creation of an Injector Report at End Exam of what was delivered by the injector. The system and injector are operated</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>independently after the start scan button is pressed on the system.</p> <p>System Software</p> <p>Volume High Definition Reconstruction</p> <p>The system features state of the art image reconstruction technology designed to mitigate cone beam artifacts associated with wide coverage systems. In addition, the algorithm preserves temporal uniformity and provides excellent image quality at full 160 mm coverage. It further reduces variation in iodinated contrast HU uniformity across the full 160 mm Z coverage, typically caused due to heel effect. In addition, Multi-Material Artifact Reduction (MMAR) technology utilizes material physics learnings from GSI incorporated in single energy acquisition. In conjunction with the 3D Collimator, this reduces beam hardening artifacts due to iron, bone, metal & other dense objects.</p> <p>Iterative Reconstruction: ASiR-V</p> <p>Integrated advanced iterative reconstruction technology (ASiR-V) reduces noise, even at very low signal levels. The ASiR- V algorithm focuses primarily on the modeling of the system noise statistics, objects, and physics and de-emphasizes the modeling of the system optics. The most time-consuming portion of the IR process is the modeling of the system optics. By excluding the most time-consuming component, system optics, and focusing on the other terms during the IR process, significant image quality improvement can be achieved with- out paying a large penalty in reconstruction speed. The advanced system noise model includes the modeling of the data acquisition system (photon noise and electronic noise) as well as noise characteristics of the reconstructed images. The photon noise model includes characterization of the photon statistics as it propagates through the imaging chain. The modeling of the reconstructed image noise includes characterization of the scanned object, using information obtained from extensive phantom and clinical data. This technology is designed to deliver reduced noise levels, improved low contrast detectability and may enable up to 82% reduction in dose when compared to FBP for all clinical applications.</p> <p>Smart Dose technologies</p> <p>Automatic Exposure Control (AEC)</p> <p>AEC is a versatile and powerful tool designed to tailor the scanner's radiation output to each patient based on the patient's size, age, shape and attenuation and the user's re- quested level of image noise/quality criterion. AEC technology uses estimated patient attenuation values to adjust the mA dynamically in order to achieve the requested level of image noise/quality</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>criterion.</p> <p>3D Dose Modulation Utilizing SmartmA</p> <p>Volumetric knowledge prior to scanning allows you to personalize protocols and optimize dose for every patient, large and small. During the scan, real-time, 3D dose modulation helps deliver consistent image quality because it automatically accounts for the changing dimensions of your patient's anatomy. In addition, the system provides guidance to assist in centering the patient to maximize the benefit of mA modulation.</p> <p>Organ Dose Modulation</p> <p>Organ Dose Modulation (ODM) builds on the SmartmA feature to enable even further patient dose reduction. By reducing the mA exposure profile as a function of the X-ray tube angle, radiosensitive organs towards the anterior surface of the patient, such as the eyes, breasts and thorax, can benefit from enhanced dose reduction while the overall image noise is still maintained.</p> <p>kV Assist</p> <p>kV Assist makes it easy to select optimal kV settings for the patient being scanned. It recommends tube voltage and current to achieve the lowest dose while meeting desired image quality goals.</p> <p>70 kV Scanning</p> <p>70 kVp scan mode enables low dose pediatric and small patient scans</p> <p>ECG Modulated mA</p> <p>For cardiac applications, prospective ECG dose modulation automatically adjusts the mA to minimize the patient's exposure to X-rays – reducing mA, and thus dose, near the beginning and end of each prescribed phase range. Up to 3 phase ranges are selected within a heart cycle with different mA levels. The peak mA for the first phase range is automatically determined based on noise index set by the user. The user can also select the relative mA level for an optional second or third phase range, set as a percent of the mA level of the first phase range. This provides clear images and allows you to reduce dose yet provides motion free, high quality images for functional and anatomical analysis within a heart cycle</p> <p>Color Coding for Kids</p> <p>Based on the Broselow-Luten Pediatric System, the Color Coding for Kids was developed to help operator to select the correct pediatric CT protocol. The system divides the protocols into nine color zones based on height and weight, and incrementally increases scan technique as the patient's size increases. This arrangement of protocols assists you in reducing the variations in pediatric protocol selection. If the patient weight is unavailable, a</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>Broselow-Luten Tape can also be used to obtain the weight based on the length.</p> <p>Smart Dose technologies</p> <ul style="list-style-type: none"> • Smart Track: Advanced hardware and software for X-ray beam tracking minimizes patient dose. • Smart Beam: Optimizes X-ray beam filtration independently for body, head, and cardiac applications. • Soft Shutter: This capability reduces the over-beaming dose in helical scans by using an advanced reconstruction algorithm for helical scans that makes better use of acquired data through intelligent view weighting and back projection. • 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 Association (NEMA). Dose Check provides the following: <ul style="list-style-type: none"> o Checking against a Notification Value if the estimated dose for the scan is above your site established value o 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 o The ability to define Alert Values for Adult and Pediatric with age threshold o Audit Logging and Review capabilities o Protocol Change Control capabilities provided by robust protocol management interface - DoseWatch Explore is an introductory dose management software application that provides you secure access, via any PC with internet access, to dose and protocol data from this system. An InSite connection to the system and completion of the registration process is required to use the DoseWatch Explore application. For US and Canadian Customers, this quotation includes access to the DoseWatch Explore application for a period of time concurrent with the system warranty. • Dose Computation, Display & Reporting: CTDIvol (CTDI volume), DLP (Dose Length Product), and Dose Efficiency computation and display during scan prescription provide dose information to the operator. Dose Reporting saves the CTDIvol, DLP, and phantom type in a DICOM Structured Dose Report and a secondary screen capture. Series and cumulative exam values are saved. Saved values can be networked or archived. <p>DICOM Interchange</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>DICOM Interchange allows the saving of any image from the database, along with a PC viewer using Internet Explorer, to a CD-R or DVD-R with- out marking the exam/series or image as archived for exam transfer between stations that are not networked or pass along to referring physicians or patients. For detailed information, please reference DICOM conformance statement.</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 • Service Class User (SCU) for storage commitment • DICOM Query/Retrieve Service Class • DICOM Modality Worklist • DICOM Modality Performed Procedure Step <p>Image Networking</p> <p>Exams can be selected and moved between the Revolution CT and any imaging system supporting the DICOM protocol for network send, receive and pull/query. Image transfer time using DICOM protocols is > 16fps on a 1000baseT network.</p> <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. Regulatory Compliance: This product is designed to comply with applicable standards under the Radiation Control for Health and Safety Act of 1968. Laser alignment devices contained within this product are appropriately labeled according to the requirements of the Center for Devices and Radiological Health.</p> <p>This product complies with the performance standards of 21 CFR, sub-chapter J, and the applicable IEC 60601-1 series.</p> <p>This product complies with NEMA Standard XR29-2013 / MITA Smart Dose Standard.</p> <p>See the Pre-Installation manual for details of the siting requirements for GE Revolution CT.</p>	
1		<p>Rev CT English keyboard</p> <p>English keyboard</p>	
1		<p>REVOLUTION STD CABLE SET</p> <p>Standard cable set for Revolution CT system</p>	

Qty	Catalog No.	Description	Ext Sell Price
1		<p>REV CT TESTED 675LB TABLE</p> <p>Revolution CT high capacity table features a next generation table capable of 300mm/s travel speed. This enables faster scanning for longer range anatomies. The table has also been designed with 10x more stiffness to reduce deflection under heavy load and provide the best possible images even under heavy load conditions. The table features include:</p> <ul style="list-style-type: none"> - Controls on gantry for elevation and cradle movement. Foot pedals on both sides of table for fast elevation. Cradle position controlled from OC for prescribed scans. - Integrated ECG module with waveform and configuration through the gantry display. - Workflow hub area with a see through tray to give you the most flexibility in placing scanning related supplies, etc. - IV Pole integrated at the foot-end of the table helps to prevent IV lines from becoming crossed and tangled, and helps keep lines in place during patient travel. <ul style="list-style-type: none"> o Vertical Range: 56cm to 103cm (675 lbs) o Vertical Scannable Range: 73.1cm to 103cm o Elevation Speeds: 15(+/-3)mm/s and 48(+/-3)mm/s o Horizontal Range: 200 cm o Horizontal Scannable Range (metal free) <ul style="list-style-type: none"> - 200cm in Axial - 185cm in helical - 5-200cm in scout o Horizontal speed Up to 300mm/s o Load capacity 306 kg/ 675 lbs maximum 	

Qty	Catalog No.	Description	Ext Sell Price
		<p>allowed with +/-0.06% positional precision over the entire scannable range.</p>	
1		<p>Low Dose CT Lung Screening Option with Indication For Use</p> <p>This option provides lung screening reference protocols that are tailored to the CT system, patient size (small, average large), and the most current recommendations from a wide range of professional medical and governmental organizations. Now, qualifiedi GE Healthcare CT scanners with this option are formally indicated for, and can be confidently used by physicians for low dose CT lung cancer screening of identified high-risk patient populations. These protocols deliver low dose, short scan times, and clear and sharp images for the detection of small lung nodules. Early detection from an annual lung screening with low dose CT in high-risk individuals can prevent a substantial number of lung cancer-related deaths.ii All new GE 64-slice and greater CT scanners, and virtually all of the 16-slice CT scanners that GE Healthcare sells are qualified for this screening option. This solution is also available to thousands of qualified GE CT scanners currently in use, increasing access to the quality scanners that satisfy both patient and physician needs. The new protocols, do include the choice for the user to be able to utilize GE Healthcare's industry-leading technologies such as ASiRTM, ASiR-VTM and VeoTM that are designed to reduce image noise, which is undesirable for physicians looking for small nodules. This option contains two documents. Lung Cancer Screening Option Reference Protocol Guide, and the Lung Cancer Screening Option User Manual / Technical Reference Manual</p> <p>i The following GE Healthcare CT scanners are qualified to receive the new low dose CT Lung Cancer Screening Option: LightSpeed 16, BrightSpeed Elite, LightSpeed Pro16, Optima CT540, Discovery CT590 RT, Optima CT580, Optima CT580 W, Optima CT590 RT, LightSpeed Xtra, LightSpeed RT16, LightSpeed VCT, LightSpeed VCT XT, LightSpeed VCT XTe, LightSpeed VCT Select, Optima CT660, Revolution EVO, Discovery CT750 HD, Revolution HD, Revolution CT.</p> <p>ii Moyer V. Screening for Lung Cancer: U.S. Preventive Services Task Force Recommendation Statement. Ann Intern Med. 2014;160:330-338. http://www.uspreventiveservicestaskforce.org/Page/Document/RecommendationSt</p>	
1		<p>Xtream Injector Interface kit - Class IV</p> <p>Cabling and CT Scanner software required for use with Integrated Injectors.</p>	

Qty	Catalog No.	Description	Ext Sell Price
1		<p>Neuro MultiPhase CTA Protocols</p> <p>Neuro Multiphase CTA Protocols</p> <ul style="list-style-type: none"> • Neuro Multiphase CTA protocols is the group of CT acquisition protocols for multiphase CT angiography, an imaging tool that provides three time-resolved images of pial arterial filling in the whole brain, that can be used to predict clinical outcomes in patients with acute ischemic stroke. • Neuro Multiphase CTA Protocols is the purchasable option of Revolution CT 2016 summer release. 	
1		<p>Revolution Desk - Adjustable</p> <p>Revolution Desk - Adjustable</p>	
1		<p>CT Service Cabinet</p> <p>Service cabinet for system accessories storage</p>	
1		<p>REVOLUTION CT -DOCS ONLY</p> <p>REVOLUTION CT -DOCS ONLY</p>	
1		<p>TABLE SLICKER FOR CT REVO</p> <p>The GEHC Revolution CT table slicker is specifically designed to maximize contaminant protection. Manufactured to be used in conjunction with the table restraining belts, this slicker adds versatility to your CT procedures. Latex free, it is strongly suggested that the slicker is cleaned with a water/bleach solutioj prior to every procedure.</p> <p>Features:</p> <ul style="list-style-type: none"> • Table gray cushion sealed in vinyl slicker Dimension 2403 x 788 • Table extender gray cushion sealed in vinyl slicker Dimension 406 x 788 • Cover for catheter bag hanger • Increase system uptime by protecting table from spills and particulate contaminants • Easy to install and comfortable for patients • Will not interfere with normal operation of CT table • Clear PVC plastic facilitates faster cleanup of blood and fluids • Prevents contaminant build up in hard to clean areas • Thermosealed seams and flaps • Recommended for trauma centers and sites concerned about 	

Qty	Catalog No.	Description	Ext Sell Price
		exposure to blood and fluid-borne disease	
1		<p>FOOT SLICKER FOR CT REVOL</p> <p>The GEHC Revolution CT Foot Switch slicker is specifically designed to maximize contaminant protection. Latex free, it is strongly suggested that the slicker is cleaned with a water/bleach solutioj prior to every procedure.</p>	
2		<p>Revolution CT Ongoing Customer Excellence Training</p> <p>Revolution CT Ongoing Customer Excellence Training</p> <p>The Revolution Experience: Continuing Education Program - Years 2 & 3</p> <p>16 Days Onsite and 16 Hours of TiP Virtual Assist. Delivered during Year 2 and Year 3.</p> <p>Ongoing training is vital to ensure your staff maintains a high level of CT scanning expertise. To help you achieve your constantly evolving staff needs, GE Healthcare offers a multi-year training package specifically for the Revolution CT. This package is designed to be flexible so that you can tailor the training content to your staff needs over time, whether it is to train new staff, refresh on previous training, or receive training on advanced scanner features, advanced applications or a new product release. Staff members will be assessed at the end of each training session and these assessments will be used to guide future training content. TiP Virtual Assist training will also be used to provide access to GE Clinical Applications Specialists who can answer questions as well as perform virtual troubleshooting, remote observation, image quality checks and to provide additional training.</p> <p>This training program must be scheduled and completed within 3 years after the date of product delivery. Onsite training and TVA are delivered Monday through Friday between 8AM and 5PM.</p>	
1		<p>Standard Service License</p> <p>GE Healthcare has reclassified its service tools, diagnostics and documentation into various classes (please refer to the Service Licensing Notification statement at the beginning of this Quotation). The Standard License provides access to service tools used to perform basic level service on the Equipment and is included at no charge for the warranty period.</p>	
1		<p>Discounted Configuration Price</p> <p>AW VOLUMESHARE 7</p>	
1		AW VolumeShare 7 Software Only Upgrade	

Qty	Catalog No.	Description	Ext Sell Price
		<p>AW VolumeShare 7 Software Only Upgrade</p> <p>Includes:</p> <ul style="list-style-type: none"> o SW Only upgrade to VolumeShare 7 o Pre-Processing o Upgrade to 24GB RAM <p>Software upgrade to AW VolumeShare 7. AW VolumeShare 7 Software Upgrade</p> <p>REQUIRES HPZ800 Hardware</p>	
1		<p>Discounted Configuration Price</p> <p>Technical Service Training</p>	
1		<p>REVOLUTION CT SVC TRNG</p> <p>The Revolution CT course takes a blended approach to presenting the material to the learner. This course provides the learner with a prework assignment using computer based training (CBT) followed by an instructor led training (ILT) session. The CBT section of the training consists of equipment safety procedures and sub-system component description, location, and identification. Upon completion of the CBT, the learner shall attend 40 hour in-residence instructor led training event with an exam. The ILT portion of the training will consist of combination of classroom lecture and discussion as well as lab demonstration and performance based activities. The lab activities have been developed to provide the learner with system specific knowledge, reinforce current skills, and develop new skills associated with maintaining the Revolution CT system. The learner will have previously completed training on VCT, HD750, and or LightSpeed 7x and Optima 660.</p>	
1		<p>CT LS 7X & OPTIMA 660</p> <p>CT LightSpeed 7x and Optima 660 (Class/Lab)</p> <p>The CT LightSpeed 7x & Optima 660 course is a differences class and is intended for Engineers who have completed (R0026CT) LightSpeed Pro Training. It will equip the Engineer with system and subsystem theory and hands-on lab activities to address technical service issues for the 32/64-slice family of scanners (including LightSpeed VCT, LightSpeed VCT XT, LightSpeed VCT Select, and Optima 660. This training must be used within 2 years from the purchase date.</p>	

Qty	Catalog No.	Description	Ext Sell Price
1		<p>CT LIGHTSPEED PRO ADV SER</p> <p>The LightSpeed Pro Advanced course is intended for engineers servicing LightSpeed Pro 16, LightSpeed RT, and forward production LightSpeed 16/Ultra/Plus (starting in 2004) systems. This course must be taken within 2 years from the purchase date.</p>	
1		<p>CT Basic Physics/Instrumentation (web)</p> <p>CT Basic Physics/Instrumentation (Web)</p> <p>The CT Fundamentals Course is Designed for Service Engineers who have Little or No Familiarity with CT Systems. The Course Teaches General Processes, Concepts, and Equipment Used in CT Scanning. This Course is Delivered Via the internet as an online training course. This course must be taken within 2 years from the purchase date.</p>	
1		<p>CT LIGHTSPEED PRO ADV SVC</p> <p>CT Lightspeed Pro Advanced Service (Web)</p> <p>Web course is 8 hours long</p> <p>Sales Description:</p> <p>Introduction to CT LightSpeed Pro system theory and subsystems</p> <p>Executive Summary:</p> <p>This is a computer-based training course intended to prepare Service Engineers on basic system theory for the LightSpeed Pro product line.</p> <p>Course Competencies:</p> <p>The curriculum builds on concepts taught in CT Basic Physics and is a prerequisite for the CT LightSpeed Pro and Discovery ST in-resident training classes at the GE Healthcare Institute.</p> <p>Special Considerations:</p> <p>A functioning laptop computer with a CD-ROM reader, network card and a modem card is required for use during this course. The browser on the computer must be IE4 or Netscape 4.5 or higher. Minimum system requirements include 133 MHz Windows 95, NY 4.0 or higher 32 MB of RAM 16-bit color display adapter. Proof of completion of this eLearning course is necessary prior to attending any subsequent GE Healthcare In-Resident training. This course contains proprietary content. For customers attending this course, special paperwork is required to take this course. Please see the</p>	

Qty	Catalog No.	Description	Ext Sell Price
		registration page for details on the enrollment process. This course must be taken within 2 years from the purchase date.	
1		<p>GLOBAL OPERATOR CONSOLE</p> <p>CT GLOBAL OPERATORS CONSOLE 3,4,& 5</p> <p>The Global Operators Console can be referred to as the Xtreme console as well. This is the current operator console for the CT LightSpeed and PET Discovery ST systems. This course must be taken within 2 years from the purchase date.</p>	
1		<p>CT GLOBAL OPR CONSOLE 6</p> <p>CT LightSpeed Global Operators Console 6</p> <p>This course will prepare the GE Field Engineer and In House engineers for servicing the new Global Operators Console 6 (GOC6). This course must be taken within 2 years from the purchase date.</p>	
1		<p>OPTIMA CT660 SERVICE (WEB)</p> <p>Optima CT660 Service (web)</p> <p>This upgrade course taken online is intended for Support Engineers who have previous LightSpeed VCT training. Topics covered include: New gantry display, new power saving mode, new gantry axial motor and control, new gantry covers removal and installation, safety awareness with gantry cover mounting hardware, new operators console (RIO), load from cold-Saturn detector. This course must be taken within 2 years from the purchase date or it expires without refund.</p>	
1		<p>Troubleshooting Basics Service (web)</p> <p>Troubleshooting Basics Service (Web)</p> <p>This Course is Intended for Individuals Involved in Servicing Medical Equipment. By Taking This Course, You will Learn a Proven Process for Troubleshooting Problems with Medical Equipment. You will Also Learn How to Use Various Tools in a Troubleshooting Situation and How to Interpret Error Messages. This Course Does Not Address How to Troubleshoot Specific Products. It is Recommended That you Have Fundamental Training in a Modality Prior to Taking This Course. This course must be taken within 2 years from the purchase date.</p>	
1		NETWORKING & DICOM BASIC	

Qty	Catalog No.	Description	Ext Sell Price
		<p>Networking and Dicom Basic for DI Service (Web)</p> <p>Training will prepare engineers on configuring and troubleshooting networks, which use the DICOM protocol for transferring patient data and how to read and use DICOM Conformance Statements.</p> <p>This course covers the following:</p> <ul style="list-style-type: none"> • Introduction to 7 layer OSI and 5 layer TCP/IP protocols (Basic model only) • Identify hardware used in networking • Review of the most used networking devices, cables, NIC, switch and routers • Simple network connection with 2 to 5 devices • Dicom definitions, theory and configuration <p>This course must be taken within 2 years from the purchase date.</p>	
1		<p>Discounted Configuration Price</p> <p>Revolution CT Installed Base</p>	
1		<p>HyperDrive on Revolution CT</p> <p>HyperDrive is an unmatched high pitch scan mode on Revolution CT that combined wide coverage acquisition with high pitch helical techniques to achieve speeds up to 437mm/s with uncompromised 50 cm field of view and image quality. This additional scan mode is especially beneficial in trauma or pediatrics environments.</p>	
1		<p>GSI Xstream on Revolution CT</p> <p>GSI Xstream is the first volume spectral CT technology with integrated and simplified workflow you can make part of your daily practice.</p> <p>GSI Xstream utilizes ultrafast kVp switching x-ray source (0.25msec switching between two different energy levels of X-rays from view to view during a single rotation) and ultra-fast response Gemstone Clarity Detector to acquire almost perfectly registered volumetric dual energy CT data. The data is then processed through projection domain material decomposition algorithms to generate material density maps (MD), monochromatic images (MC) and virtual unenhanced images (VUE). This data can be utilized to identify material specific differences in attenuation in terms of Water, Iodine, Calcium, Uric Acid, Fat and Hydroxyapatite (HAP) basis-pair images, allowing monochromatic and material representations. Metal Artifact Reduction (MAR) algorithms can also be applied to all GSI images to reduce artifacts due to</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>the presence of metal.</p> <p>GSI Xstream can provide:</p> <ul style="list-style-type: none"> • Nearly perfect temporal and spatial registration to avoid mis-registration artifacts due to motion in dual energy CT (0.25ms) • Advanced material differentiation, classification and quantification • Optimization of contrast-to-noise ratio (CNR) by using monochromatic images • Reduction in artifacts due to beam hardening and metal. • Volume GSI Acquisition across 80 mm collimation with 50 cm FOV • 245mm/s GSI scan speed with 1.5:1 pitch • Dose neutral with ASiR-V integration • Integrated with GE's Smart Technology suite of workflow tools: GSI Assist and Clinical ID standardize and automate protocol selection, including direct transfer to PACS • Parallel processing of GSI images with Recon Server Xstream for improved workflow • 10 Native GSI recons: keV, VUE, MD: Iodine, MD: Water, MD: Calcium, MD: Fat, MD: Uric Acid, MD: HAP, GSI MAR, 140kVp with automatic network to PACS and AW GSI viewer when needed. 	
1		<p>Discounted Configuration Price</p> <p>AW Server 3x2</p>	
1		<p>GSI VIEWER</p> <p>The GSI Viewer is the application tool for viewing and manipulating spectral images acquired on GE scanners with the Gemstone Spectral Imaging option.</p> <p>Key features include:</p> <ul style="list-style-type: none"> • Protocol Driven Design - This feature provides a standard set of protocols with the additional ability for users to create and save their own protocols. • Monochromatic Image Review - With this feature the user has the ability to interactively change the monochromatic energy levels so that the user can select the best energy level for the exam being reviewed. • Image Overlay - The viewer provides a simple way for the user to move from review to analysis by overlaying material density, and effective 	

Qty	Catalog No.	Description	Ext Sell Price
		<p>atomic number (effective-Z) information on top of the monochromatic images.</p> <ul style="list-style-type: none">• Material Density Analysis - Users can visually see how the GSI data is segregated amongst a material density pair, e.g. water and iodine.• Plot Analysis - This feature displays ROI's as graphical plots in the form of a histogram, a scatter plot, spectral HU curve and an optimal CNR (contrast to noise) plot. <p>Benefits are:</p> <ul style="list-style-type: none">• Material Decomposed images allow for the seperation of materials like calcium, iodine, and water.• Visualize a virtual non-contrast like image using water-iodine basis pair image.• Adjusting monochromatic energy levels can optimize image contrast and reduce beam-hardening artifacts.• Discriminate different tissue types based on material density and monochromatic image data. <p>System Requirements:</p> <ul style="list-style-type: none">• AW VolumeShare 7 or AW Server 3.2• Two monitor/flat panel configuration recommended <p>Note: All software are Non-Transferable to other hardware and are Non-Returnable.</p> <p>Discounted Configuration Price</p>	
1		AW Server 3x2	
1		AW SERVER 3.2 XL	
		AW Server 3.2 Ext 1 XL	
		<p>The AW Server delivers distributed 3D visualization capabilities throughout the enterprise and at any remote reading location. It utilizes state-of-the-art thin client technology to convert virtually any PC to a high-end 3D post processing station. In addition to this, it serves as a workflow engine enabling optimal collaboration among physicians and allows 3D visualization to be leveraged easily to diagnose diseases quickly and make sound decisions. The AW Server also enables faster turnaround of post-processed results to referring physicians by allowing them to access the data instantly, while maintaining security and privacy of patient data.</p> <p>The AW Server includes a vendor neutral OpenAPI PACS integration interface</p>	

Qty	Catalog No.	Description	Ext Sell Price
		<p>that enables launching the AW Server client from a variety of PACS software, both GE Healthcare provided and 3rd party. This capability supports passing the patient context to the client and even the application desired to be launched, so that time is saved and applications can be launched directly into the most relevant layout. This functionality may require work on the part of the PACS workstation or third party software provider.</p> <p>The following capabilities are included in this catalog:</p> <ul style="list-style-type: none"> • AW Server client software which may be deployed to an unlimited number of systems by simply downloading the client application from the AW Server's web interface. • Support for 50 concurrent users of 2D tools of which 6 may run 3D advanced applications • Up to 80,000 concurrent (equivalent to 512x512 CT) slices shared between users • 6 concurrent Volume Viewer licenses • Support for additional VolumeShare 7 based advanced applications which require separate purchased license(s) • Support for multiple instances of GSI Viewer (requires optional license purchase, limited by available slices). • Accessories for mounting hardware in your data center rack. Please refer to AW Server site requirements document for details on rack space needed. <p>Key features:</p> <ul style="list-style-type: none"> • Access to 3D visualization capabilities including MIP/MPR/VR, segmentation, fly through and PET/CT • "Smart Compression" technology automatically displays full fidelity static images even when compression is turned on for increased interactivity. This allows for full fidelity static images even at low bandwidth. On-image visual indicators notify user when compression is in effect. • Intuitive work list interface with custom work lists, easy access to priors and exam states. • Programmable ability to automatically push saved results to a DICOM host such as PACS when closing a session. • Optional pre-processing capability to automatically process exams in background based on preset rules, minimizing wait time and keeping exams ready to read. 	

Qty	Catalog No.	Description	Ext Sell Price
		<ul style="list-style-type: none"> • Ability to open up to 3 simultaneous application sessions per active user and instantly switch between these sessions. • Ability to save the state of post processing any time and restore it from any client, allowing multiple radiologists or technologists to contribute to post processing results. • Ability to float application licenses between AW workstations (requires VolumeShare 2 or later) and one or more AW Server(s) • Enterprise directory integration for single sign on user authentication with audit trails. • Open API for PACS integration <p>Performance and intended uses:</p> <p>Performance and interactivity on client PC's depend on the network bandwidth, latency and client PC configuration. To attain optimal performance, minimum bandwidth required is 40Mbps (LAN) with a latency of 20ms or lower. The server may be used over WAN/Internet as well although performance will heavily depend on round trip latency between client PC and server. A minimum of 3Mbps bandwidth is required.</p> <p>The server supports various compression levels selectable by user. The "Smart Compression" technology applies selected compression level only when user is interacting with the images to optimize performance. The images are automatically displayed at full fidelity once interaction stops. Clear visual indication on the images indicates any time compression is being applied to the images. A minimum of 3Mbps bandwidth per client with latency less than 35ms is recommended for reasonable performance when compression is used.</p> <p>Specifications:</p> <p>AW Server software is packaged as a turnkey solution that includes off-the shelf enterprise class hardware for optimal performance.</p> <p>Server Hardware and O/S:</p> <ul style="list-style-type: none"> • 4 eight-core Intel Xeon E5 4617 CPU's. • 256GB RAM. • Mirrored 146GB disk for OS. • 1 Gbps NIC for DICOM and client traffic. • Dedicated Embedded Lights Out Manager (LOM). 	

Qty	Catalog No.	Description	Ext Sell Price
		<ul style="list-style-type: none"> Fully redundant power and cooling. Rack-mount (4U) server. Operating System: GE HELiOS 6.6 6TB of direct attached image storage. <p>Client PC requirements:</p> <p>It is the customer's responsibility to make sure every client PC meets these minimum specifications for optimal performance.</p> <p>Hardware:</p> <ul style="list-style-type: none"> Processor: 2.2 GHz Pentium 4 minimum (or equivalent); Dual core processors recommended. Memory: 1024 MB minimum. Disk drive: 250MB free space available. Screen resolution 1024H x 768V minimum with full color (32 bit) (1280H x 1024V or more recommended). Symmetric dual monitors up to a total of 6 MP are supported with 4 MP recommended for optimal performance Network card 100 Mbps minimum (1000 Mbps recommended). Internet connection. Customer provided IPSEC VPN, for internet/WAN operation. Mouse: Two or three-button mouse. Three button mouse suggested for best use of functions. <p>Software:</p> <ul style="list-style-type: none"> Windows 7 SP1 32 and 64 bit Windows 8.1 32 and 64 bit Mac Parallels (Mac OS X 10.10, Parallels 10, Windows 7 SP1 32/64 bit, Windows 8.1 32/64 bit) <p>Installation Includes:</p> <ul style="list-style-type: none"> Site readiness survey Installation of Enterprise OS. Installation of GE Healthcare applications software. Configuration of active directory (if required). Configuration of up to 5 DICOM hosts provided prior to installation. Installation of one client for purposes of server testing and applications training. 	

Qty	Catalog No.	Description	Ext Sell Price
		<p>Service contract and applications training are optionally purchasable. Warranty information can be found in terms and conditions.</p> <p>Concurrent licenses for supported advanced applications are optionally purchasable.</p>	
1		<p>STANDALONE INSTALLATION S</p> <p>Standalone Installation Set</p>	
1		<p>FASTSTROKE</p> <p>Faststroke</p> <p>FastStroke is a CT image analysis software package that assists in the analysis and visualization of CT data of the head and neck region in stroke work-ups. FastStroke enables an organized approach to the culmination and display of non-contrast head CT, head and neck CTA, multi-phadse CTA of the head and Neuro Perfusion datasets (CT Perfusion 4D license required to enable this functionality within FastStroke) to assist clinicians with a standardized approach to image analysis for the stroke evaluation.</p> <p>The software will assist the user by providing optimized display settings to enable fast review of the images in synchronized formats, aligning the display of the images to the order of the scans and linking together multiple groups of scans. In addition, the software fuses the vascular information from different time points into a single colorized view. This multiphase information can aid the physician in visualizing the presence or absence of collateral vessels in the brain. Collateral vessel information may aid the physician in the evaluation of stroke patients.</p> <p>Key Features of FastStroke</p> <ul style="list-style-type: none"> • Intelligent loading identifies the series type and applies the appropriate layout • Easy and intuitive workflow to quickly move through all the acquired series. • Smart layouts automatically adjust to display any number of phases acquired within the multiphase CTA (with a maximum of six phases in a single layout). • Images are automatically displayed in a thick slab MIP at optimized WW/WL settings. • ColorViz display: a fused display of the multiphase CTA showing the delay of the vessel opacification 	

Qty	Catalog No.	Description	Ext Sell Price
		<ul style="list-style-type: none"> Fully integrated with CT Perfusion 4D Brain Stroke processing (requires CT Perfusion 4D License) 	
		System Requirements:	
		<ul style="list-style-type: none"> AW VolumeShare 7 and AW Server 3.2 Ext.1 later. 	
1		<p>SERVER P.M. & RMT NETWORK</p> <p>This catalog includes Professional Services of Project Management.</p> <p>Dedicated Project Manager will work with customer IT department hand-in-hand and serve as a single point of contact from project initiation to customer training and turnover.</p>	
1		<p>AW Server Advanced Installation Services</p> <p>Advance Installation Services - provides 8 hours of labor only service to support the installation of the AW Server</p>	
1		<p>2 DAY AW SERVER</p> <p>2 Day AW Server Training</p> <p>Two Day TiP AW Server Training</p> <p>One 2-day onsite applications training visit for AW Server. Includes T&L expenses. Days provided consecutively.</p> <p>This training program must be scheduled and completed within 12 months after the date of product delivery.</p>	
1		<p>Discounted Configuration Price</p> <p>NonProducts</p>	
1		<p>Short post for existing injector</p>	
1		<p>Discounted Configuration Price</p> <p>NonProducts</p>	
1		<p>Dollars to install the shorter injector post valued @</p> <p>Discounted Configuration Price</p>	
		<p>Trade in HD750</p> <p>CT</p>	