

V.A. Medical Center  
WAREHOUSE  
HIWAY 6 WEST  
IOWA CITY, IA 52246

PO# 636-B32053

Qty.	Description
1	<p>Rm 1: Essential Senographe Essential Diagnostic System Senographe Essential full field digital mammography system provides a comprehensive breast care solution that includes screening, diagnostic and interventional capabilities, with advanced ergonomic design for the technologist, exceptional patient comfort and seamless workflow connectivity. Senographe Essential features the innovative 24x31cm detector, designed to offer enhanced breast coverage in a single image and a fast and efficient workflow. Smaller breasts are also easily imaged in any view with paddles that can slide to both sides of the detector. Senographe Essential offers enhanced image quality for increased diagnostic confidence because of the excellent detector performance at a low dose. Ergonomic design for technologists</p> <ul style="list-style-type: none"><li>• Intuitive user interface</li><li>• One touch access to preset angulations for quick and easy positioning</li><li>• Two speed motorized movements for fast and precise operation</li><li>• Sliding compression paddles can move to the side of the detector for excellent compression of any breast in any view Enhanced patient comfort</li><li>• Patient friendly design</li><li>• Easy wheelchair access</li><li>• Ergonomic integrated bucky Outstanding Image Quality</li><li>• Enhanced Detective Quantum Efficiency (DQE)</li><li>• Molybdenum/Rhodium dual track tube</li><li>• Automatic Optimization of Parameters (ADP) transparently selects all exposure parameters based on breast radiological properties</li></ul>

Qty	Description
	<ul style="list-style-type: none"> <li>• Three AOP modes enable more flexibility in dose management</li> <li>• Enhanced views with Fine View and improved contrast with Premium View Seamless digital workflow connectivity</li> <li>• Automated Quality Control</li> <li>• Integrated Repeat and Reject Analysis function Senographe Essential Technical Specifications Image Quality Detector DQE</li> <li>• DQE typical values: 70% at 0lp/mm, 61% at 2.0lp/mm, 24% at 5.0lp/mm</li> <li>• Measurement conditions: Mo anode track, Mo filter, 28kV, 8.5mR detector entrance dose, 4.2cm PMMA Detector</li> <li>• Detector size: 24x30.7cm</li> <li>• Pixel size (pitch): 100 urn</li> <li>• Acquisition dynamic range: 14 bits</li> <li>• Image size (XV): <ul style="list-style-type: none"> <li>– 3062x2394 pixels (large image size) approximately 14MB per image</li> <li>2294x1914 pixels (regular image size) approximately 9MB per image</li> </ul> </li> <li>• Patented needle structure CsI scintillator single piece construction</li> <li>• Closed loop liquid cooling Tube Technology</li> <li>• X-Ray tube type: Apolion</li> <li>• Anode target materials - Dual track: Molybdenum (Ma), enriched with Vanadium and Rhodium (Rh)</li> <li>• Four focal spots: 0.1 and 0.3 IEC on each target</li> <li>• Target angle: 0 degrees</li> <li>• Maximal high voltage: 49kV</li> <li>• Tube current: <ul style="list-style-type: none"> <li>– Molybdenum target: 100 mA from 25 to 30kV on large focal spot 40 mA from 25 to 30kV on small focal spot</li> </ul> </li> </ul>

Qty	Description
	<ul style="list-style-type: none"> <li>- Rhodium target: 62mA from 25 to 30kV on large focal spot 35mA from 25 to 30kv on small focal spot</li> <li>• Anode size (tracks diameter): 100mm</li> <li>• Anode heat storage capacity: 250kj (340kH U)</li> <li>• Anode maximum dissipation: 500W (40kHU/min)</li> <li>• Max casing continuous dissipation: 150W (12 kHU/min) at 104 degrees fahrenheit</li> <li>• Permanent filtration: 0.69mm Beryllium</li> <li>• Weight: 15.4 pounds</li> <li>• X-ray tube assembly: self-encased X-ray tube oil free, lead free, air-cooled head</li> <li>• Tube protection: software monitoring of tube load Grid/Breast Support</li> <li>• Ergonomic breast support for patient comfort</li> <li>• Motorized installation and removal of the grid and breast support for geometric magnification</li> <li>• Breast support material: low attenuation carbon fiber composite</li> <li>• Grid ratio: 5:1</li> <li>• Grid frequency: 36 lines/cm</li> <li>• Optimized grid motion ensuring no grid structure artifacts in image</li> <li>• Detector to breast support edge-to-edge distance less than or equal to 5mm Automatic Exposure Automatic Optimization of Parameters (AOP) Fully automatic mode</li> <li>• AOP is a fully automatic exposure system that selects all exposure parameters based on radiological density of the breast for exceptional and consistent image quality: track (Mo or Rh), filter (Mo or Rh), kV, mAs</li> <li>• The system identifies the most dense part of 4123</li> </ul>

Qty	Description
	<p>the breast to select the appropriate exposure parameters</p> <ul style="list-style-type: none"> <li>• Three AOP modes are available for more flexibility: <ul style="list-style-type: none"> <li>– "Contrast": dose to patient comparable to screen/film mammography</li> <li>"Dose": priority is given to dose reduction</li> <li>"Standard": balances low noise and dose reduction Manual Mode</li> </ul> </li> <li>• Manual selection of all parameters: track, filter, kV and mAs Collimator Filters: Molybdenum: 0.030mm; Rhodium: 0.025mm</li> <li>• Field of View (FOVI in detector plane, in cm) <ul style="list-style-type: none"> <li>– For standard contact views: 24x31 maximum FOV or 19x23 regular FOV (centered or off-centered left and right based on the paddle inserted)</li> </ul> </li> <li>• Field of View {FOV} selection: automatic and manual</li> <li>• FOV size: selected automatically based on paddle or geometric magnification platform used, can be modified manually by using the collimation size button on the tube head</li> <li>• FOV location (left, right, center): selected automatically based on the tube arm angle, can be modified manually by using the collimation position switch on the tube head</li> <li>• Compression and exposure are prevented if the FOV and compression paddle sizes or locations are not consistent</li> <li>• Light centering device: a light automatically switches on when a preset position is reached, at compression start or at paddle insertion; can be turned on with the collimation switch buttons located on the tube head Compression</li> <li>• Compression modes:</li> </ul>

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	<ul style="list-style-type: none"> <li>- Motor driven compression up to 20 daN</li> <li>- Manual compression possible up to 30 daN</li> <li>• Dual foot-pedals for column height and compression adjustments</li> <li>• User defined motorized compression force limit: 4 to 20 daN</li> <li>• Minimum force for ADP: 3 daN</li> <li>• Compression speed: 2 speed levels</li> <li>• User can select automatic decompression after exposure to minimize patient time under compression</li> <li>• User-defined maximum decompression height Safety</li> <li>• Gantry locked when compression force applied Positioner</li> <li>• Isocentric arm with motorized rotation and vertical movement</li> <li>• Source to image receptor distance: 660mm</li> <li>• Floor to image receptor distance: from 65cm to 150cm</li> <li>• Rotation angle: - 165/185 degrees</li> <li>• Ergonomic handles: two on both sides of the tube arm and two additional handles at the detector level User Interface</li> <li>• Four sets of dual speed switches for rotation and lift movements</li> <li>• Four sets of preset position buttons for quick and easy positioning in CC and MLO</li> <li>• Automatic stop at +1-90 degrees for lateral positions</li> <li>• Collimation buttons on the tube head for field of view size and location</li> <li>• Parameters display <ul style="list-style-type: none"> <li>– Tube arm support rotation angle</li> <li>– Compressed breast thickness (in mm)</li> </ul> </li> </ul>

Qty	Description
	<ul style="list-style-type: none"> <li>– Compression force (in daN)</li> <li>– Ergonomic control console</li> <li>– Controls exposure</li> <li>– Provides information on system status</li> <li>– Gives access to advanced parameters for system set-up</li> <li>• Patented automatic view names marking based on breast laterality</li> <li>• View name can be edited at any time before the examination is closed Acquisition Workstation</li> <li>• Small footprint</li> <li>• Time to display processed image (average): 14 seconds</li> <li>• Time between exposures (typical): 12 seconds</li> <li>• Dose calculated and displayed on the image after every exposure (Entrance Skin Dose and Average Glandular Dose)</li> <li>• Dual core HP workstation <ul style="list-style-type: none"> <li>– Memory: 1GB RAM + 4MB L2 cache</li> <li>– Hard disk: 1 internal 250 GB disk, 7200 RPM</li> <li>Image storage: 15000/25000 large/regular field of view</li> <li>Port: one Ethernet port 10/100 Mbits</li> <li>DVI video board</li> </ul> </li> <li>• Display (standard) <ul style="list-style-type: none"> <li>– High performance black and white LCD 1MP</li> <li>– monitor</li> <li>– 48cm (19") medical grade</li> <li>– 1280x1024 pixels (landscape)</li> <li>8 bits display</li> <li>High luminance - up to 500 Cd/m2</li> <li>Contrast ratio: 500:1</li> </ul> </li> </ul>

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	<ul style="list-style-type: none"> <li>- Viewing angle: 170 degrees</li> <li>- Weight: 6.4kg (14.9lbs)</li> <li>- Mounted on a rotating arm for easy in-room access</li> <li>• Image Presentation <ul style="list-style-type: none"> <li>Fine View processing provides sharp images with enhanced conspicuity, based on detector physics</li> <li>- 2 options for primary image processing: 1. Thickness Equalization which provides a "filmlike aspect with improved visibility of the skin line 2. Premium View* enhances local contrast</li> <li>- Automatic windowing (window level and window width)</li> <li>Other features: zoom, roaming, inversion, flip, rotation of images, window width and level setting, annotations and measurement</li> </ul> </li> <li>• Un-interruptible Power Supply (UPS) allows to close the examination without loss of information in the case of a power failure</li> <li>• Connectivity <ul style="list-style-type: none"> <li>Connectivity</li> </ul> </li> <li>• DICOM 3.0 platform: <ul style="list-style-type: none"> <li>- Modality Worklist User</li> <li>- Storage Provider</li> <li>- Storage Commitment User</li> <li>- Query/Retrieve User</li> <li>- Basic Grayscale Print User</li> <li>- Verification Provider</li> <li>DICOM-compliant CD-RW Data Interchange</li> </ul> </li> <li>• Connectivity features: customizable Autopush to multiple DICOM databases, Autoprint, Autodelete based on Storage Commitment</li> </ul>

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	<ul style="list-style-type: none"> <li>• Modality Perform Procedure Step User</li> <li>• Connectivity to GE Service for remote diagnostic capability Quality Assurance</li> <li>• Complete quality control program</li> <li>• Automation of quality control tests: Flat Field, MTF, AOP, SNR, CNR</li> <li>• Data can easily be exported for data tracking</li> <li>• Automated Repeat and Reject Analysis Radiation Shield</li> <li>• Stand alone or integrated to control console High Voltage Generator 0 Generator type: high frequency single phase power supply</li> <li>• Ripple: &lt;4% from peak to peak</li> <li>• Power: 5kW max</li> <li>• mAs range: 4 to 500 mAs (depending on track, filter and kV)</li> <li>• kV range: 22 to 49kV, in 1kV steps</li> <li>• Generator protection: software monitoring of generator and tube load Power Supply</li> <li>• Input frequency: 50Hz/60Hz</li> <li>• Input voltage: single-phase 200/208/220/240V</li> <li>• APC Smart-UPS 750 VA Standard Configuration</li> <li>• Motorized isocentric gantry</li> <li>• X-ray tube with rotating Mo/Rh anode</li> <li>• 24x31cm flat panel detector</li> <li>• Acquisition workstation <ul style="list-style-type: none"> <li>– CD-RW</li> <li>– LCD display</li> <li>– X-ray protective shield</li> <li>– Control console</li> <li>– UPS</li> </ul> </li> <li>• Pair of dual foot-pedals</li> <li>• High-frequency generator and conditioner 9/23</li> </ul>



Qty	Description
	<ul style="list-style-type: none"> <li>• Face shield</li> <li>• 24x31cm bucky with grid</li> <li>• 24x31cm paddle</li> <li>• 19x23cm sliding paddle      paddle that</li> <li>• 24x31cm ergonomic sliding conforms to the breast      stands with</li> <li>• 1.5 and 1.8 magnification</li> </ul> <p>dedicated paddles (19x23cm, round spot, square spot)</p> <ul style="list-style-type: none"> <li>• Square spot sliding compression paddle</li> <li>• Round spot sliding compression paddle</li> <li>• Quality control toolkit</li> <li>• User manual and technical documentation</li> </ul>
1	<p>iCAD Additional License Fee for iCAD Digital or AD Computer Aided Detection Unit</p> <p>License for additional acquisition workstations connected to iCAD Digital or Combo AD CAD unit.</p>
1	<p>Flexible and Ergonomic compression paddle 24 x 31cm for Senographe Essential</p> <p>The optional ergonomic 24x31 cm sliding paddle provides tilting and flexibility for better compression uniformity from chest wall to nipple.</p> <p>Positioning is made easier especially in MLO position for large pectoral muscle and in CC when chest wall and nipple side show large thickness variation.</p> <p>Patient comfort is improved by requiring less compression on pectoral muscle or chest wall to achieve proper compression on the whole breast.</p>
1	<p>Sliding Flexible and Ergonomic compression paddle 19 x 23 cm for Senographe Essential</p> <p>The optional ergonomic 19x23 cm sliding paddle provides tilting and flexibility for better compression uniformity from chest wall to nipple.</p>

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	<p>It is used in combination with the 19x23 field of view.</p> <p>Positioning is made easier especially in MLO position for large pectoral muscle and in CC when chest wall and nipple side show large thickness variation.</p> <p>Patient comfort is improved by requiring less compression on pectoral muscle or chest wall to achieve proper compression on the whole breast.</p>
1	Bar Code Reader for mammography AWS This is a bar code reader for the acquisition workstation.
1	<p>Additional Stand-alone Radiation Shield (MAVIG)</p> <p>This radiation screen is a stand-alone shield validated for fixed configurations only.</p>
1	<p>2D Biopsy Optical Localizer Includes:</p> <ul style="list-style-type: none"> <li>• 2D Cross-hair</li> <li>• 2D Large localization paddle</li> </ul>
1	<ul style="list-style-type: none"> <li>• 2D Spot localization paddle</li> </ul> <p>DBI+ Table Model 7425 with 4-Way Floating Top</p> <p>Decubitus Breast Imaging Table - Model 7425 with floating top. Unique drop section table accomodates all stereo upgrade systems for Optimal Decubitus Patient Positioning in Stereotactic procedures, while providing 360 degree access to breast. Recumbent position virtually eliminates patient fainting, Movement and position discomfort during Stereotactic Guided Biopsy. Four-way Float Feature facilitates positioning lesion in center of field without patient or equipment movement to decrease procedure time. The table's features include electric height adjustment, 1,000 lb. weight capacity, adjustable and interchangeable head supports, and</p>

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	<p>Transverse and Longitudinal Travel (2) 8.5" x 22"</p> <p>Exam Drop Sections (non-pinch Closures) 12) 8.5" x 22" Physician Access Drop Section (non-pinch closures) 27" x 53" Exam Surface (head &amp; foot sections removed) 72" Overall Length (head and foot sections attached) (2) Detachable, Height Adjustable Head Supports Detachable Foot Section, 27" w x 10" Adjustable Back Support Height Adjustable, 26" - 36" 1000 lb. weight capacity: 500 lb. lift capacity 5" 2 Way Locking Casters</p> <p>Includes On-site Patient Positioning In-Service</p> <p>For USA only.</p>
1	<p>Set of Plexiglass Plates for Quality Control</p> <p>These plexiglass plates are used for quality assurance procedures for Senographe DS or Senographe Essential.</p>
1	<p>Senographe Essential Stereotaxy The stereotaxy add-on simply slides onto the Senographe Essential for fine needle aspiration, core biopsy and vacuum assisted biopsy or hook wire placement in upright or recumbent positions.</p> <p>It leverages GE Revolution TM detector for consistent image quality in screening, diagnostic and interventional applications.</p> <p>Advanced ergonomics combined with the Senographe Essential detector enables streamlined stereotaxy for better patient care.</p> <ul style="list-style-type: none"> <li>• Versatile add-on to Senographe Essential full-field digital mammography system</li> <li>• Quick set-up</li> <li>• Large image field of view for easy positioning and large accessible biopsy volume</li> <li>• Vertical and lateral approach for easy access to breast lesions</li> </ul>

Qty	Description
	<ul style="list-style-type: none"> <li>Ergonomic carbon cover designed for easy cleaning</li> <li>Dismountable paddles for easy cleaning</li> <li>Large working space</li> <li>Parking position for easy access</li> <li>to the breast Included in the Stereo Option are the following:</li> <li>Stereotaxy positioner and paddle (dismountable for cleaning purposes) <ul style="list-style-type: none"> <li>3 removable guide holders and 3 bushing adapters <ul style="list-style-type: none"> <li>Stereo operator manuals (paper format) available in 28 languages</li> </ul> </li> </ul> </li> <li>Vertical approach kit</li> <li>Lateral approach kit and paddle (dismountable for cleaning purposes) <ul style="list-style-type: none"> <li>6mm metal guides lateral approach (5 of each)</li> <li>8mm metal guides lateral approach (5 of each)</li> <li>3 fixing parts for Axis 8mm diameter</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>S <ul style="list-style-type: none"> <li>Service publications</li> </ul> </li> </ul>
1	3 Removable Needle Guide Holders and 3 Bushing Adapters  Additional 3 removable needle guide holders and 3 bushing adapters for Stereotactic standard use.
1	9G METAL BUSHINGS (5 PCS)
1	12G Needle Guides
1	3MP 21.2" Color LCD Monitor The monitor is mounted on a rotating arm to the control station. <ul style="list-style-type: none"> <li>54cm (21.2") TFT Color LCD monitor</li> <li>Native resolution: 1536 x 2048</li> <li>Viewing angle: 170 degrees</li> <li>Contrast ratio: 1000:1</li> </ul>

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	<ul style="list-style-type: none"> <li>Brightness: 900cd/m2(squared)</li> <li>Weight: 7.4kg (17.02lbs)</li> <li>Power requirements: AC 100-120V, 200-240V; 50/60Hz</li> <li>Power consumption: 110W</li> <li>Power save mode: less than 3W</li> <li>1 upstream USB port (standard rev 2.01</li> </ul>
1	Enhancement of the Premium View software to display dark and bright images, such as implants
1	<p>Hausted Mammography Chair</p> <p>The Hausted Mammography Chair was designed specifically to function as a chair, stretcher, or procedure table.</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> <li>Quick and easy patient positioning form sitting to supine</li> <li>Foot pedal hydraulic height adjustment and pneumatic backrest/foot section allows easy interface with most mammography machines</li> <li>Multiple positioning capabilities and functions can reduce procedure time</li> <li>Tuck-away side rails for easy patient transfer, access and egress</li> <li>3" Comfort Cushions allow for maximum patient comfort during procedures</li> <li>Integrated steering, heavy duty, Or-surface casters with four-wheel locking control</li> </ul> <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> <li>Seat cushion width: 22"</li> <li>Overall Length: <ul style="list-style-type: none"> <li>- Upright: 33"</li> <li>- Supine: 76"</li> </ul> </li> <li>Height Adjustment: 22" to 30"</li> </ul>

Qty	Description
	<ul style="list-style-type: none"> <li>• Wheel Base: 25" x 22"</li> <li>• Pneumatic-Assist Backrest: 0 to 90 degrees</li> <li>• Extra wide restraint strap included</li> </ul> <p>COMPATIBILITY</p> <ul style="list-style-type: none"> <li>• Recommended for use with Mammography biopsy procedures</li> </ul>
1	<p>GE Mammography Accessories Cabinet</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> <li>• Holds 9 Paddles, Mag Stand, QC Phantoms and more</li> <li>• Can be wall mounted or floor standing</li> </ul> <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> <li>• Dimensions (L x W x H): 30.5" x 15,5" x 40.5"</li> <li>• Weight: 48 lbs.</li> </ul>
1	<p>Agfa Drystar Axys with 1 year warranty</p> <p>DRYSTAR AXYS is a dual film size, Direct Digital Imager with excellent quality. AYXS offers a great range of capabilities and can be used in both centralized workflows and with dedicated applications. Fitting a full range of applications, it also features daylight handling for the two online media trays, with five media sizes and three different media types available. The imager thus offers enhanced flexibility and convenience, and the ability to use multiple media sizes makes the DRYSTAR AXYS suitable for all applications.</p> <p>FEATURESANDBENEFITS</p> <ul style="list-style-type: none"> <li>• Multi-application hardcopy solution</li> <li>• Mammography-quality images, with 508 dpi image resolution</li> <li>• Very short access time, for extremely fast delivery of first four prints</li> <li>• Convenient imaging, with two film sizes 15/23</li> </ul>

Qty	Description
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online

#### SPECIFICATIONS

- Dimensions: 28.7" W x 28.1" D x 26.6" H (with output tray)
- Weight (without film): 198 lbs.
- Printing resolution (Geometrical): 508 dpi

1 Mammography Breast Phantom - ACR Gammex 156

The Mammographic Accreditation Phantom is designed to test the performance of a mammographic system by a quantitative evaluation of the system's ability to image small structures similar to those found clinically.

Objects within the phantom simulate calcifications, fibrous calcifications in ducts, and tumor masses.

The phantom is also designed to determine if a mammographic system can detect small structures that are important in the early detection of breast cancer.

Test objects within the phantom range in size from those that should be visible on any system, to objects that will be difficult to see even on the best mammographic system.

Breast phantom is compatible with analog and digital equipments.

Approved by ACR for Mammography.

#### SPECIFICATIONS

- Height 1.75 in. (4.5 cm)
- Width: 4 in. (10.2 cm)
- Depth: 4.25 in. (10.8 cm)

1 2 Days MM TiP Onsite Training  
Two Day MM Onsite Training provided from 8AM

Qty	Description
2	<p data-bbox="380 222 846 285">to 5PM, Monday through Friday. Includes T&amp;L expenses. Days provided consecutively.</p> <p data-bbox="380 306 878 401">This training program must be scheduled and completed within 12 months after the date of product delivery.</p> <p data-bbox="380 411 699 438">3 Days MM TiP Onsite Training</p> <p data-bbox="380 459 894 554">Three Days MM Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&amp;L expenses. Days provided consecutively.</p> <p data-bbox="380 575 867 669">This training program must be scheduled and completed within 12 months after the date of product delivery.</p>
1	<p data-bbox="380 737 789 831">SenoBright - CESM SenoBright Contrast Enhanced Spectral Mammography</p> <p data-bbox="380 852 899 1094">SenoBright is an exciting innovation to help doctors in the diagnosis of breast diseases. Two images are provided for each of the standard CC and MLO views. The first image of each view represents a standard mammography view, while the second is a recombined iodine contrast-enhanced image.</p> <p data-bbox="380 1115 911 1493">A variety of technologies are combined to add this option to standard Senographe DS or Senographe Essential mammography systems. SenoBright performs data acquisition at multiple KV levels, spectrally filters the resulting x-rays to take advantage of typical attenuation curves of iodinated contrast agents, performs the data collection of these multiple energies of the x-ray profile and finally uses a patented recombination of the data to provide the resulting contrast-enhanced image.</p> <p data-bbox="380 1514 532 1541">Intended Use</p> <p data-bbox="380 1562 854 1589">Contrast Enhanced Spectral Mammography</p>



Qty	Description
	<p>(CESM) is an extension of the existing indication for diagnostic mammography with the Senographe Essential or Senographe DS. The CESM application shall enable contrast enhanced breast imaging using a dual energy technique. This imaging technique can be used as an adjunct following mammography and ultrasound exams to localize a known or suspected lesion.</p> <p>Compatibility</p> <p>SenoBright is compatible with the following new GE Digital Mammography systems:</p> <ul style="list-style-type: none"> <li>• Senographe Essential</li> <li>• Senographe DS. In addition, all of the existing Senographe Essential and Senographe DS can be field upgraded to run SenoBright. Contact your GE Sales Representative with questions about compatibility.</li> </ul> <p>SenoBright is DICOM compatible. Refer to the appropriate Senographe Essential or Senographe DS DICOM Conformance Statement for details.</p> <p>SenoBright is compatible with the following workstations:</p> <ul style="list-style-type: none"> <li>• IDI version 4.6 or higher (recommended)</li> </ul> <p>Ergonomic design for technologists</p> <ul style="list-style-type: none"> <li>• Simple user switching between standard mammography and Spectral Mammography mode</li> <li>• Contrast media information can be stored with the images</li> <li>• SenoBright provides a timer function to both monitor and record time after injection which is displayed as on annotated field in the images</li> <li>• SenoBright offers both automated and manual exposure modes for the dual-energy</li> </ul>

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	<p>exam</p> <ul style="list-style-type: none"> <li>• SenoBright will automatically acquire the Spectral Mammography images for each view with a single action of the x-ray exposure control</li> <li>• Dose information is provided, both for skin entrance and average glandular dose for each image of the Spectral Mammography acquisition</li> </ul> <p>Simple review Workflow</p> <ul style="list-style-type: none"> <li>• Automatic display and storage of "Low Energy" conventional images</li> <li>• Automatic calculation, display and storage of the recombined iodine image</li> </ul> <p>Patient Comfort</p> <ul style="list-style-type: none"> <li>• Compression time for each view is designed to be a maximum of 15 seconds</li> <li>• Depending on the patient and technologist. the entire imaging procedure can be completed in as little as 4 minutes following the contrast media injection</li> <li>• As with our standard mammography systems, patients lying in a recumbent position can be examined with SenoBright</li> </ul> <p>Filter</p> <p>SenoBright chooses filtering materials depending on the operating mode and the exposure levels necessary. For the high-energy acquisition, a proprietary multi-layer filter is used to shape the resulting energies of the x-ray spectrum to those required to best highlight iodine.</p> <p>Energy Levels</p> <p>The energy levels will vary depending on the patient, specifically on the breast thickness within the range:</p> <ul style="list-style-type: none"> <li>• 26-30 KVp for lower energy acquisition</li> </ul>

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	<ul style="list-style-type: none"> <li>45-49 KVp for higher energy acquisition</li> </ul>
1	<p>Quality Control</p> <p>A dedicated quality control protocol is used for SenoBright, with the same phantoms used for Senographe DS and Senographe Essential</p> <p>The IDI CESM License allows the radiologist to easily review a GE Contrast Enhanced Spectral Mammography exam.</p> <p>IDI CESM License enables the ID1 Mamma Workstation to provide an optimal way to display the GE CESM dataset using a dedicated hanging protocol</p>
1	<p>5 Days IDI Workstation training</p> <p>One 3 Day and one 2 day TIP Onsite Training for the IDI workstation</p> <p>Includes T&amp;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>IDI Workstation</p> <p>The MammoWorkstation features softcopy reading with integrated reporting and CAD display. The Workstation is suited for reading direct digital mammography (DR) and Computed Radiography (CR) images from all major manufacturers, as well as for viewing digitized screen film images.</p> <p>The hardware is composed of Windows 7 x64 based HP 2800 computer coupled with 2x Barco Mamma Coronis 5MP LCD monitors, a 19" non-diagnostic LCD monitor and the IDI Second Edition Keypad.</p> <p>Intended use MammoWorkstation is designed to</p>

Qty	Description
1	<p>assist radiologists in conducting primary diagnostic review for diagnostic and screening mammography through flexible and interactive manipulation of multi-modality softcopy images. It provides image review, manipulation, analysis, post-processing and printing capabilities that support image management display needs in the medical environment.</p> <p>MammoWorkstation is designed to give easy and economic access to and display of multi-modality softcopy images, structured reports, and CAD results through interfaces to various image storage devices using DICOM or similar interface standards. It supports creation of structured reports according to the DICOM breast imaging report templates.</p> <p>MammoWorkstation supports teleradiology and teleconferencing providing access to multi-modality softcopy images and structured reports in multiple locations within and outside the hospital. lossy compressed mammographic images must not be used for primary diagnostic interpretation unless approved for use in digital mammography. Display monitors used for primary diagnostic interpretation of mammographic images must be approved for use in digital mammography.</p> <p>Collaboration server manages centrally the review workflow of multi-workstation installation. Collaboration server only works with IDI MammoWorkstations. All workstations connected to the Collaboration server must also have the IDI Workflow Module License installed.</p> <p>Collaboration server is not needed for a single workstation installation.</p> <p>Interfaces with information systems must be clarified and quoted with a IDI Sales Specialist.</p>

Qty	Description
1	DICOM Shuttle is a tool for fast transmission of medical image data. It connects DICOM enabled devices in different locations over a given - preferably secure - connection. DICOM Shuttle enables fast teleradiology transparent to connected DICOM devices leveraging JPEG2000 image compression.
1	1 Day Service Pre-install IDI Connectivity
1	<p>This item describes the services for a IDI Workflow Solution implementation provided by an IDI Specialist.</p> <p>It corresponds to one day of work and includes travel &amp; living expenses.</p>
1	Dedicated integration enables productivity gains ,reducing the rework and data mismatches among different applications.
1	One set of power cords for UK/USA/JAPAN/CHINA
1	User configurable keypad for fast access of major functions in the Mamma Workstation.
1	<p>2 Days MM TiP Onsite Training</p> <p>Two Day MM Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&amp;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>3 Days MM TiP Onsite Training</p> <p>Three Days MM Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&amp;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>

Qty	Description
2	<p><b>Biomedical Technical Service Training</b></p> <p>Digital Mammography Systems</p> <p>The XR Digital Mammo Systems Class/Lab will provide the hands-on training required to effectively service GE digital Mamma Systems including Senographe 2000D, Senographe DS and Senographe Essential. Prerequisites to this class are basic mammography training or equivalent experience including, Older mamma fundamentals classes, or the current XR Basic Service Class (which covers Mamma basics). Older Rad and Fluoro fundamentals classes will not meet the prerequisite requirements, as they did not include mamma basics. This course must be taken within 2 years from the purchase date.</p>