

NM SPECT CT, VAMC SAN FRANCISCO, CA  
 PO# 662-B70025

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			<b>VA San Francisco Optima 640</b>			
			<b>Optima NMCT 640 Americas</b>			
1	1		O640 NM/CT System - 3/8" EXCEL			
			O640 NM/CT - 3/8" EXCEL			
			Optima NM/CT 640 EXCEL is a general-purpose high performance hybrid SPECT imaging system. It combines integrated nuclear imaging sub-system featuring a free-geometry slim gantry, advanced all-digital Elite NXT detectors with 3/8" detectors , cantilevered patient table and powerful acquisition station, with a dedicated low-dose high resolution CT imaging sub-system designed for attenuation correction of SPECT and anatomic localization of radiotracer uptake in the body.			
			Including:			
			2 x Slim-All-Digital NM Elite™ NXT detectors with the following key features :			
			o 3/8" crystal thickness			
			o 59 high quantum efficiency PMT's, each PMT coupled with one ADC			
			o Extra large, rectangular UFOV with uncut corners: 540 mm x 400 mm			
			(21.25 Inches x 15.75 Inches)			
			o Shielded for 40-620 keV energy range			
			o Contoured detector housing for optimal cardiac and brain SPECT imaging			

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- 1 x Free-geometry 70 cm bore gantry, featuring real-time automatic body contoured scanning in both 180D and 90D detectors orientations for high efficiency SPECT and WB scans. The gantry features also upright and horizontal detector orientations for maximum clinical versatility and ultra-fast, simultaneous multi-axes motion which provides fast setup with the following key features:
  - o Externally mounted detectors, with flexible positioning for all Major clinical studies, including stretcher, standing and seated Patients
  - o Automatic, application-specific home positioning for table and detectors
  - o Real-time status display
  - o Intuitive, icon-based 20 function handset accessible from either side of the gantry
  - o Real-time, infrared automatic body contouring system too safely minimize detector-to-patient distance in whole body, 90 degree SPECT and 180 degree SPECT
  - o Fast, semi-automatic dual collimator exchange
- 1 x Dual-axis premium ergonomic patient imaging table with low-attenuation carbon fiber table-top with the following key features :

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			<ul style="list-style-type: none"> <li>o Fast, manually controlled emergency patient egress</li> <li>o Telescopic transporter ensuring accurate CT-SPECT registration</li> <li>o Easy patient handling, comfortable tabletop</li> <li>o Obstruction-free floor installation enables table pivot to 45 or 60 degree angles</li> <li>o Automatic home positioning for common imaging procedures</li> <li>o Optional integrated EKG</li> </ul> <p>· 1 x user-friendly Hybrid SPECT/CT acquisition station.</p> <p>The integrated SPECT-CT acquisition console employs a Graphic User Interface for exam scheduling, scan acquisition, CT reconstruction and scan QC as well as utilities for protocol editing and routine quality control and analysis.</p> <p>· 1 integrated low-dose CT with 4 slice functionality, inherently SPECT-registered CT Transmission attenuation correction and localization with the following key features:</p> <ul style="list-style-type: none"> <li>o Tube: GE MX135CT</li> <li>o Tube anode Heat Storage capacity: 2.0 MHU</li> <li>o Generator: GE Gedi 42 AC, 4.2 kW</li> <li>o Clinical operation tube current: 10-30 mA.</li> <li>o Scan Times: 1 or 2 sec per rotation</li> <li>o Pitch factors: 0.75:1, 1.25:1, 1.75:1</li> <li>o Detector type: Ceramic -</li> </ul>			

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			gadolinium oxysulfide (Gd2O2S) o Number of slices: 4 Slice thickness: 2.5 mm			
2	1		GE NM 600 Series LEHR Collimators (2) with Cart  NM 600 LEHR Collimators with Cart NM 600 Low Energy High Resolution Collimators  Includes: o Two LEHR Collimators o Collimators Mounted on a Dedicated Collimator Cart			
3	1		GE NM 600 Series MEGP Collimators (2) with Cart  NM 600 MEGP Collimators with Cart NM 600 Medium Energy General Purpose Collimators  Includes: o Two MEGP Collimators o Collimators Mounted on a Dedicated Collimator Cart			
4	1		GE NM 600 Series HEGP Collimators (2) with Cart  NM 600 High Energy General Purpose Collimators  Includes: - Two HEGP Collimators Collimators Mounted on a Dedicated Collimator Cart			
5	1		GE NM 600 Series PINHOLE Collimator			

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			(1) W/CART			
			A set of 1 pinhole collimator with 3 inserts with collimator cart for NM 600			
6	1		NM600 PINHOLE BILATERAL			
			The Bilateral Pinhole Motion enhancement option enables NM600 Series cameras to perform pinhole collimated imaging of both sides of a patient on the imaging table without moving the patient in procedures such as imaging of bilateral hips anteriorly or bilateral kidneys posteriorly.			
7	1		630 & B615 QC Point Source Holder			
			An L-shaped metal plate attachable to the wall with an opening for a syringe in order to acquire point source-based flood acquisition at a few meters distance from vertically positioned detector for QA purposes.			
8	1		630 & B615 QC Flood Source Holder Kit			
			Quality Control Flood Source Holder Kit			
			A large plate mounted at a small distance above the NM detector on which the flood source is positioned in order to perform			

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			acquisition of flood studies for QA/QC purposes.			
9	1		QA COR Source Holder Center of rotation source holder for Quality assurance , easily attached to Infinia or Ventri table.			
10	1		NM 600 SERIES BARPHANTOM bar phantom for spatial resolution and linearity tests of gamma cameras. The phantom consists of four quadrants with different bar specification: For each of the quadrant, bar spacing is 2.5mm, 3.2mm, 3.5mm & 4.0mm.			
11	1		STRAPS AND PAD KIT Long table pad and straps			
12	1		Axial Head Holder AXIAL HEAD HOLDER The Axial Head holder is ergonomically designed to position patient's head outside of the patient tabletop pallet , enabling brain SPECT orbiting as close as possible to the patient's skull with maximal coverage of the target tissue			
13	1		NM600 TOUCH RULER NM 600 Touch Ruler			

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			<p>An interactive touch-sensitive device mounted at one side of the patient table, used to define nuclear imaging scan range ( start and stop points), saving the need to enter these values manually from the operator console</p>			
14	1		<p>PALLET EXTENDER</p> <p>NM 600 Series Patient Pallet Extender The patient pallet extender for NM 600 Series products can be used to extend the table top for multi-FOV SPECT, SPECT/CT and whole body studies.</p> <p>Length is 600mm; Width is 391mm; 300mm extension</p> <p>Note - The use of the extender requires more space between the camera and the back wall of the scan room. Consult with GE Healthcare project manager for minimum room size requirements.</p>			
15	1		<p>NM600 OPTIONAL FLAT FLOOR</p> <p>A streamlined floor plate designed to facilitate collimator exchange on the NM 600 series cameras to aid hospital bed and stretcher imaging.</p>			
16	1		<p>Mobile Computer Cart w/ PC Holder</p> <p>The acquisition cart is an ergonomically designed, flexible, mobile yet stable device. The cart is</p>			

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			designed to carry a display monitor, a Keyboard, a mouse and a PC-tower on board. Modular design enables easy customization by flexible positioning of the keyboard support tray , the monitor support bracket height ,the screen angle and the mouse support tray orientation (left/right) per user preferences and needs.			
17	1		NM600 DETECTORS DISMOUNT NM600 DETECTORS DISMOUNT An option enabling transportation and mobilization of the NM600 series gantry separated from the detectors for easier load in elevators or easier access through restricted paths such as narrow hallways or doorways			
18	1		O640 SEISMIC KIT Seismic anchoring kit for Optima NM/CT 640			
19	1		SEISMIC KIT FOR NM600 PAR Seismic kit for NM600			
20	1		Evolution for Bone SPECT Camera License EFB SPECT CAMERA LICENSE Enables Camera capability to provide data for Evolution for Bone (EfB). EfB provides Evolution Resolution Recovery reconstruction on SPECT bone scans. The EfB application may be			



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			utilized to provide equivalent image quality on half-dose or half-time bone scans.			
21	1		<p>EfB PLANAR CAMERA LICENSE</p> <p>EfB PLANAR CAMERA LICENSE</p> <p>Enables Camera capability to provide data for Evolution for Planar Bone (EfPB). EfPB provides adaptive Structure Matching non-Local filtering on planar bone scans. The EfPB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans.</p>			
22	1		<p>Evolution for Cardiac Camera License</p> <p>EfC SPECT CAMERA LICENSE</p> <p>Enables Camera capability to provide data for Evolution for Cardiac (EfC). EfC provides Evolution Resolution Recovery reconstruction on SPECT Myocardial Perfusion Imaging (MPI) scans. The EfC application may be utilized to provide equivalent image quality on half-dose or half-time MPI scans.</p>			
23	1		EVOLUTION TOOLKIT Camera License			

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			<p>EVOLUTION TOOLKIT CAMERA LICENSE</p> <p>Enables Camera capability to provide data for Evolution Toolkit. The Evolution Toolkit provides Evolution Resolution Recovery reconstruction on SPECT scans resulting in improved resolution and contrast. The Evolution Toolkit application may be utilized with included statistical re-sampling tools to determine optimal dose or time reduction on SPECT studies. Evolution Toolkit supports Tl201, Tc99m, I-123, Ga67, In111, &amp; I-131 isotopes.</p>			
24	1		<p>8 Days Onsite plus 10 Hours TVA</p> <p>8 Days Onsite plus 10 Hours TVA</p> <p>Eight days onsite delivered in 3 visits, one 4 day, and two 2 day plus 10 hours TVA training for NM Camera System and Workstation.</p> <p>Onsite training is delivered Monday through Friday between 8AM and 5PM. T&amp;L expenses are included. This training program must be scheduled and completed within 36 months after the date of product delivery.</p>			

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25	1		<p>6 KVA UPS for Nuclear Medicine</p> <p>6 KVA UPS for Nuclear Medicine</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> <li>• The use of uninterruptible power enables the system imaging to be completed after the loss of supply power, and allows for saving of valuable data and orderly system shutdown</li> <li>• The Online Double Conversion UPS eliminates all power anomalies such as noise, transients, overvoltage and undervoltage, which could damage the imaging system's sensitive computer components</li> <li>• Improves imaging system reliability, reduces service costs, and increases system uptime</li> <li>• Cell Saver Technology provides conditioned power even during severe brownout conditions without depleting battery resources</li> <li>• System monitoring via: LanSafe III / FailSafe III software, (2) RS-232 Ports</li> <li>• PowerPass Module further enhances reliability through Maintenance Bypass Switch which performs maintenance or upgrade your UPS without powering down your critical systems</li> </ul> <p>SPECIFICATIONS</p>			

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			<ul style="list-style-type: none"> <li>• Dimensions (H x W x D): 33.6" x 9.9" x 15.8"</li> <li>• Weight: 218 lbs.</li> <li>• Input Voltage: 200 - 240 VAC</li> <li>• Output Voltage: 120/240, 120/208 VAC</li> <li>• Frequency: 45-65 Hz</li> </ul> <p>COMPATIBILITY</p> <ul style="list-style-type: none"> <li>• Maxxus NM</li> </ul> <p>NOTES:</p> <ul style="list-style-type: none"> <li>• Customer is responsible for rigging and arranging for installation with a certified electrician</li> <li>• ITEM IS NON-RETURNABLE AND NON-REFUNDABLE</li> </ul>			
26	1		<p>Seismic Kit for E4502JJ and E4503MM UPS</p> <p>Seismic Kit for E4502JJ and E4503MM UPS</p>			
27	1		<p>Main Disconnect Panel for GE 640 NM-CT System</p> <p>Main Disconnect Panel for GE 640 NM-CT System</p>			
28	1		<p>GE Digital Energy 20 KVA UPS</p> <p>GE Digital Energy 20 KVA UPS. Innova Unity Platform required. Also for use with GE Healthcare MR Signa Ovation as a full system UPS.</p>			
29	1		<p>O640 FIXTURES 4 UPS 480V</p> <p>A set of cables designed to support the connection of the system to a</p>			

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			480V UPS for O640 power regulation purposes.			
30	1		<p>Butterfly Armrest</p> <p>Butterfly (R-Made) Armrest</p> <p>Designed to support a patient's arms during cardiac SPECT and other imaging procedures. Armrest offers new solution to motion artifact caused by the discomfort and pain of prolonged upper extremity hyperextension and abduction. Fast and easy to use, can be mounted and removed in one piece. and is tightly secured by adjustable mounting straps. Polyethylene construction is durable, nonbreakable, and easily learned. Measures 18 in. L x 14 in. W x 8 in. H; weighs 2.5 lb. Recommended for use with GE Optima Systems. Warranty Code H</p>			
31	1		<p>Patient Arm Support System for Nuclear, PET/CT, MRI</p> <p>Patient Arm Support for NM, PET/CT, MR</p> <p>Padded Arm Rest combines total arm support and passive restraint, increasing patient comfort during extended procedures. Designed to accommodate virtually all patients. Compatible with most Nuclear Imaging systems and can also be used in MRI, CT and PET applications. Constructed with a comfortable, full support polyfoam with a seamless coated finish. Warranty Code: H</p>			

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32	1		<p>Patient Leg Rest for Nuclear, PET/CT, MRI</p> <p>Patient Leg Rest for Nuclear, PET/CT, MRI</p> <p>Contoured Leg Rest prevents low back stress and pain that occurs during supine imaging and treatment, measures 7 in. H x 17 in. D x 13 in. W. Designed to accommodate virtually all patients. Compatible with most Nuclear Imaging systems and can also be used in MRI, CT and PET applications. Constructed with a comfortable, full support polyfoam with a seamless coated finish. Warranty Code: H</p>			
33	1		<p>Ivy 7600 Cardiac Trigger Monitor Kit - No Recorder, Americas Labeling. For GEHC Nuclear Med.</p> <p>The Model 7600 is Ivy Biomedical's fifth generation of cardiac trigger monitors intended primarily for use on patients in applications requiring precision R-wave synchronization. Incorporating a simple, easy to use touchscreen interface, the 7600 displays two simultaneous ECG vectors along with the patient's heart rate.</p> <p>The Trigger ECG vector (top waveform) can be selected from Leads I, II III or Auto Lead Select. The Second</p>			

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			<p>ECG vector (bottom waveform) can be selected from Leads I, II or III. If required, High and Low heart rate alarm limits can be adjusted to bracket the patient's heart rate so that a violation of these limits produces an audible and visual indication of the alarm.</p> <p>Includes roll stand</p>			
34	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><b>Xeleris 4 Workstation</b></p> <p><b>Xeleris 4 Workstation</b></p>			
35	1		<p>X4.0 Workstation SPECT-CT</p> <p>Xeleris* 4.0 SPECT/CT functional imaging workstation is a Nuclear Medicine, PET, NM/CT, and PET/CT processing, analysis, and review system.</p> <p>Designed with productivity in mind, it can</p>			

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			<p>accelerate workflow and provides a powerful clinical diagnostic tool to the medical imaging community.</p> <p>Combining streamlined workflow with a comprehensive clinical library and extensive networking capabilities on a functional imaging workstation, Xeleris 4.0 is at the nucleus of productivity in the clinical imaging department.</p> <p>Utilizing the GE Healthcare-wide graphical user interface, Xeleris 4.0 is the processing and review platform of the Discovery*, Optima* and Brivo* NM and NM/CT series, Infinia* Hawkeye* 4, Ventri, Discovery PET/CT 600 series, and all other molecular imaging cameras in GE Healthcare's current offering.</p> <p>Xeleris 4.0 provides the automated processing and connectivity necessary in today's demanding environment.</p> <p>Xeleris 4.0 SPECT/CT includes Motion detection &amp; correction software, is</p>			



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			Evolution*-ready with the capability to process studies acquired with Evolution GE cameras, and Volumetrix IR & 3D for SPECT/CT and fused image review.			
36	1		<p>X3.1/X4 CEDARS SUITE 1st and 2nd Cedars Sinai Cardiac Packages. A comprehensive set of nuclear cardiology protocols for advanced cardiac analysis, including:</p> <ul style="list-style-type: none"> <li>o Cedars Sinai Quantitative Perfusion SPECT</li> <li>o Automatic 3-Dimensional software approach to quantitative Perfusion SPECT.</li> <li>o Cedars Sinai Quantitative Gated SPECT</li> <li>o An application calculating the ejection fraction of the left ventricle and a 3D surface display is generated.</li> <li>o Cedars Sinai Companion</li> <li>o Optional module for QGS and QPS applications</li> </ul> <p>features</p> <ul style="list-style-type: none"> <li>- 17 segment scores and templates in QPS</li> <li>- Diastolic filling parameters in QGS</li> <li>- Eccentricity ratio in QGS</li> </ul>			
37	1		<p>DATQUANT LICENSE</p> <p>DaTQUANT application allows visual evaluation and quantification of</p>			

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			<p>loflupane (123I) images.</p> <p>DaTQUANT advanced quantification may provide additional information that would not be revealed by visual reading alone.</p> <p>DaTQUANT includes: &lt;UL LEVEL='FIRST'&gt;&lt;LI LEVEL='FIRST'&gt;Automated non-rigid registration with predefined loflupane (123I) template followed by manual adjustment and confirmation &lt;UL LEVEL='FIRST'&gt;&lt;LI LEVEL='FIRST'&gt;Fast loflupane (123I) SPECT image quantitative analysis: computation of uptake values in the striatum, striatal binding ratios, putamen/caudate ratios, and left/right asymmetry &lt;UL LEVEL='FIRST'&gt;&lt;LI LEVEL='FIRST'&gt;Repeatable and more accurate analysis &lt;UL LEVEL='FIRST'&gt;&lt;LI LEVEL='FIRST'&gt;Easy and consistent reporting (PDF format) for referring physicians</p> <p>Note: DaTQUANT is available for sale only for countries where loflupane (I123) pharmaceutical is approved for use.</p>			
38	1		<p>Xeleris 23" Wide Screen Display</p> <p>Xeleris 23" Wide Screen Display</p> <p>23" wide-screen LCD color monitor</p>			
39	1		<p>X4 DUAL Monitor and License</p> <p>Xeleris 4 Dual LCD Monitor &amp; License for a single Xeleris 4 Workstation.</p>			

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This item contains:  
o One 22" WideScreen format monitor for Xeleris 4 MI workstation. Provides 40% greater viewing area.  
o One Dual monitor license

Dual Monitor license enables the option on Xeleris 4 Workstation and all its XFL clients

**Hawkeye 4 Trade-in**