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V.A. Medical Center
VA MEDICAL CENTER
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JACKSON, MS 39216

PO# 586-B30012

Line #	Description	Qty
1	BV System - BrightView Camera with PinPoint detectors with caudal-cephalic tilt- 9.5 mm (3/8") crystal BrightView is a general-purpose variable angle gamma camera using leading-edge detectors with PinPoint technologies and advanced JETStream acquisition. BrightView provides exceptional flexibility, enhanced department workflow, and a platform for emerging molecular imaging agents. Integrated CloseUp technologies provide superior ability to maintain close proximity to the patient for optimized resolution. PinPoint Digital Detectors PET-based PinPoint technologies include digital detectors and electronics with advanced iterative positioning algorithms. Key features include: <ul style="list-style-type: none">• 59 Photo-multiplier tubes interfaced to 59 A/D Converters• Dual NaI, 54 cm x 40.6 cm (21.25" x 16") FOV detectors, 9.5 mm (3/8") thick crystal• Enhanced resolution and uniformity detector specifications• Energy independent performance up to 300 keV• Useful detector energy range: 56 to 662 keV• Digital real-time energy, linearity, and uniformity correction Highly stable open gantry design BrightView has an open gantry with 10-axis design to provide exceptional mechanical stability and precise center of rotation. Advanced robotics feature automatic set-up of gantry, detectors, collimators, and patient table for improved workflow. Key features include: <ul style="list-style-type: none">• Automatic, single button touch for bed imaging, quality control, upright imaging, and other positions.• CardioTrac: Automated cardiac setup and with tracking zoom electronics to avoid patient truncation and minimizes patient-to-detector distance with CloseUp imaging for highest resolution• Generous gantry aperture of 96.5 cm (38 inches) for imaging large patients and for unobstructed patient monitoring• LCD touch screen camera interface on the gantry• Ergonomically designed, wireless (RF) hand controller• Caudal-cephalic tilt- +/- 15 degrees perpendicular to the axis of rotation Auto Body Contouring BodyGuard automatic body contouring for SPECT and TB applications uses a conductive method (electrical impedance) to "see" the patient and other conductive material, such as the imaging pallet and wet IV lines. User programmable scan distance.	1

Patient Table

BrightView comes with a general-purpose imaging table with vertical and translation control. It is permanently mounted at the far end of the table from the gantry. The table may be easily pivoted to either side of the room. The table has an open design for easy patient loading, patient restraining, and positioning. The table supports a 205 kg (450 lbs) patient weight limit.

JETStream Acquisition System

The JETStream is a user and site configurable acquisition system with an easy to use graphical user interface. Patients may be pre-scheduled in the JETStream, linked to the desired acquisition protocol with the click of a single button.

Key features include:

- Smart Step: Provides tremendous workflow efficiency with customizable and automatic acquisition setup
- Up to 16 energy windows: Important for multi-radionuclide imaging, advanced scatter corrections, and molecular imaging agents
- Basic Concurrent Imaging: Ability to save a single acquisition step into up to 2 simultaneous datasets (each with independent matrix, zoom, energy windows, gating parameters, stop criteria, and data type) that provide the benefit of improved throughput, optimized image quality, and additional diagnostic data
- 48.3 cm (19") Flat panel (wall mounted or cart-based)
- Includes keyboard, trackball, and mouse
- Linux server (x86-64, 2.2 GHz AMD Opteron, 1 GB DDR2 memory minimum)
- Windows-based user console client. (X86-64 2.8 GHz Celeron, 1 GB DDR400 memory minimum)
- Minimum of 160 GB hard drive for server (60 GB for image data, 80 GB for list mode data)
- Minimum of 80 GB hard drive for client
- Recordable DVD drive
- DICOM Export and Storage Commit are standard.
- Compatibility tested with JETStream Workspace.
- Includes one (1) camera interface cabling and system installation.

Clinical Education Program for BrightView Camera

NM EBW OffSite Education: Philips will provide one (1) technologist, as selected by customer, with in-depth didactic, tutorial, and hands-on training covering basic applications of workstation functionality. This class is a prerequisite to Handover OnSite Education. In order to provide trainees with the ability to apply their new knowledge most effectively, this class should be attended no earlier than two weeks prior to system installation. This twenty-eight (28) hour class is located in Cleveland, Ohio, and is scheduled based on equipment configuration, geography, and availability. Due to program updates, the number of class hours are subject to change without notice. Customers will be notified of current, total class hours at the time of registration. CEU credits may be available for each participant that meets the Guidelines provided by Philips during the scheduling process. Travel and lodging are not included, but may be purchased through Philips. **It is highly recommended that 989801292164 (NM Full Travel Package Offsite) is purchased with all Offsite courses.**

Handover OnSite Education: Philips Education Specialists will provide twenty-eight (28) hours of OnSite Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. The first four (4) hours onsite will be spent configuring new

equipment for specific clinical needs, as well as reviewing important safety features and quality procedures. Course content is intended to provide the framework for operational workflow and clinical applications as they pertain to your site specifically. Students should attend all 28 hours, and must include all OffSite education attendees. CEUs are not available in all cases. Please read Guidelines for more information, which will be provided to you during the scheduling process. Note: Site must be patient-ready. Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.

FollowUp OnSite Education: Philips Education Specialists will provide twenty-four (24) hours of Follow-Up Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. Customer must have used the system for at least 30 days. CEUs are not available in all cases. Please read Guidelines for more information, which will be provided to you during the scheduling process. Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.

Recommendations:

To enhance customer satisfaction with the camera and workstation over the first year of use, **989801292162 (NM FollowUp OnSite 16h)** should also be purchased. To maximize customer satisfaction with workstation software options, **989801292153 (NM Add OnSite Clin Educ 08h)** should be purchased for options 4DMSPECT, Syntegra, AQMD, AQ Xcelera, and JetPack. To assist customers in maximizing the potential of their workstation, **989801292277 (NM Adv JETStream Offsite 20h)** should also be purchased with corresponding **989801292164 (NM Full Travel Package Offsite)**.

The above education entitlements expire one (1) year from equipment delivery date.

Ref#351344353-091023

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| 2 | English Localization Kit | 1 |
| | BrightView localization kit includes keyboard, system labels, GUI software, Quick Reference Guide, Release Documents, and electronic copy of User Manual in English | |
| 3 | Cart-Based Flat Panel | 1 |
| | BrightView mobile cart flat LCD monitor for the acquisition station | |
| 4 | Standard imaging pallet | 1 |
| | Low attenuation (<7% @ 140 keV) aluminum pallet with ultra-thin design (2.5 mm / 0.1 inch) for CloseUp imaging with superior resolution. 38 cm (15 inch) imaging width. | |
| 5 | DICOM Modality Worklist | 1 |
| | DICOM Modality Worklist software for the BrightView camera provides information using DICOM standard specifications. It enables receiving data from an Information System (i.e., Patient Name, Patient ID, Study Type, Accession Number and Sex) to avoid typing errors, time to type information and gives an update on the patients scheduled for the day. | |

With DICOM Modality Worklist Management only patient demographics and study identification parameters will be received from a RIS. This functionality does NOT transfer any image data. Current System tested: Mitra PACS Broker, which acts as an interface with most of the RIS systems of the market. For more precise information, an evaluation can be done by the Philips Healthcare Custom Network Department.

NOTE: This is a software-only package; it does not include hardware or remote node software. A TCP/IP network environment must be established and functional including assignment of IP addresses

6	5.0 KVA UPS Power Conditioner 5.0 KVA, 200~240 VAC (50/60 Hz) Auto Switch System provides backup power for Nuclear Medicine procedures only. System does not provide backup power for the x-ray generator.	1
	<ul style="list-style-type: none"> • APC Smart UPS RT 5.0 KVA , 208V • Input voltage range of 160-280 V • Input Frequency 50/60 Hz +/- 5 Hz (auto sensing) and single phase • Input power is connected to the unit via 30-amp twist-lock plug (L6-30P) • Two output receptacle (L6-30R) and two (L6-20R) provide 200, 208, 220, 230 and 240VAC (selectable) power • Self-diagnostics and front-panel status display • Modular design enables easy usage • Manufacturer's standard two-year limited warranty 	
7	Premium Comfort Kit Premium patient comfort kit includes:	1
	<ul style="list-style-type: none"> • Wide Velcro body wrap • IV pole • SPECT shoulder support • Knee support wedge • TB arm boards • 2" thick memory foam pallet pad • Slicker to improve large patient comfort during pallet indexing 	
8	IVY BIOMEDICAL CARDIAC GATE IVY Biomedical Cardiac Gate ECG gating system for Medical Imaging workstation. System provides 7" CRT display of ECG and trigger indicator with variable gain control that automatically adjusts to individual ECG amplitude. System includes 6-foot 3 ECG cable.	1
9	MEGP Collimator Pair Medium energy (300 keV) general-purpose collimator pair with exchange cart for semi-automatic and simultaneous exchange of both collimators.	1
10	CHR Collimator Pair Low-energy (140 keV) high-resolution long bore collimator pair with CloseUp technology to minimize (< 2.5 cm / < 1 inch) cardiac dead space for relative 90 degree imaging. Includes exchange cart with semi-automatic and simultaneous exchange of both collimators.	1
11	HEPH Collimator High-energy (364 keV) pinhole collimator for BrightView, used for thyroid, pediatrics, and small organ imaging. Includes semi-automatic exchange cart.	1

12	4MM Insert Aperture for HEPH	1
	4mm collimator aperture designed for the high-energy pinhole (HEPH) Collimator	
13	Intrinsic 4-Bar Phantom	1
	Intrinsic and extrinsic 4-Bar quadrant phantom: each model contains four sets of lead bars measuring resolution at 0.4, 0.3, 0.25, and 0.2 cm (1/6, 1/8, 1/10, 1/12 inch)	
14	Additional BrightView Users Manual in English	1
	Printed English language fully illustrated Instructions for Use manual for BrightView.	
15	IntelliSpace Portal LX SPECT	1
	<p>The IntelliSpace Portal LX SPECT workstation offers a user friendly processing and review environment that can be tailored to accommodate your specific clinical and workflow needs.</p> <ul style="list-style-type: none"> • User friendly processing and review environment offering access to a comprehensive suite of Nuclear Medicine applications and image analysis tools. • Intuitive user interface and processing tools providing efficient workflow while helping to speed the "time to diagnosis". • Incorporates Philips' Guided Task and Bookmarks concepts supporting clinical workflow and ease of use, to help facilitate enhanced productivity and minimize training needs. • Provides maximum flexibility for review and analysis, and access to specialized clinical applications. • Scalable Nuclear Medicine workstation ready to support your current and future clinical needs, making it a secure, long-term investment. <p>IntelliSpace Portal LX SPECT workstation supports DICOM or Windows XP 64 bit compatible printers only. Please contact Philips to check compatibility with a specific printer model.</p> <p>Note: The IntelliSpace Portal LX SPECT workstation requires the selection of SPECT Review/Processing application. Optional CT or MR processing applications are not available on the IntelliSpace Portal LX SPECT workstation.</p>	
16	SPECT Review/Processing LX	1
	<p>SPECT Review/Processing Application provides a comprehensive review, analysis, and processing environment for Planar and SPECT studies.</p> <p>The processing applications include Renal, Lung, Bone /Whole Body, Cardiac (First Pass, Shunt and MUGA), Gastric, Liver, Gallbladder, Esophageal, and Thyroid/Parathyroid, applications. These applications are fully integrated with Viewing, Image and Curve Manipulation tools. The users can invoke these tools "when needed where needed". All applications support "state-of-the-art" protocol and preference management that allows the users to configure their workflow and usability "on the fly".</p> <p>The processing applications also include JETPack, a complementary suite of organ-specific applications for general nuclear medicine developed within IDL(TM) programming environment.</p>	

AutoSPECT supports CT-based attenuation and scatter correction for the following radionuclides: Tc-99m, Tl-201, In-111, Ga-67, I-123, and I-131, Lu-177.

For cardiac quantification/review, optional AutoQUANT, ECTb or Corridor4DM software is recommended.

17 **SPECT AutoQUANT WS** 1

- QPS: Quantitative Perfusion SPECT
- QGS: Quantitative Gated SPECT
- QBS: Quantitative Gated Blood Pool SPECT
- Normals Databases (TI-TI, Dual Isotope, MIBI-MIBI, VantagePro, Astonish, User- Definable)
Astonish Stress/Rest Sestamibi normal limits

Prerequisites: IntelliSpace Portal v5

18	Cedars MFSC WS	1
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Prerequisite: SPECT AutoQUANT WS or NM AutoQUANT WS.

19	NM Astonish Recon Suite	1
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- SPECT Astonish includes 3-D OSEM reconstruction and resolution recovery with user-controlled noise dampening SPECT reconstruction is provided for SPECT, gated SPECT and CT based attenuation correction protocols.
- SPECT Astonish supports CT-based attenuation and scatter correction for the following radionuclides: Tc-99m, Tl-201, In-111, Ga-67, I-123, Lu-177 and I-131

- Astonish Provides Enhanced image contrast and enhanced signal to noise ratio for sub-5mm resolution for SPECT reconstructed data.

Note: NM Astonish Recon Suite is compatible with the following Philips cameras only: CardioMD, Forte, BrightView, BrightView X, BrightView XCT, Precedence.

Prerequisites: IntelliSpace Portal v5.0, NM Review and NM Processing App Suite

20	ICAP IX Portal Entitlement	1
	Clinical Education Program for IntelliSpace Portal IX Workstation:	
	<p>Intellispace IX Handover Education: Clinical Education Specialists will provide twenty-four (24) hours of Multi-Modality OnSite Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. CEUs are not available in all cases. Please read Guidelines for more information, which will be provided to you during the scheduling process.</p> <p>Intellispace IX Followup Education: Clinical Education Specialists will provide twenty-four (24) hours of Follow Up Multi-Modality OnSite Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. CEUs are not available in all cases. Please read Guidelines for more information, which will be provided to you during the scheduling process.</p> <p>Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.</p> <p>Education expires one (1) year from equipment installation date (or purchase date if sold separately). Ref #718719-120208</p>	
21	Airfare to Cleveland for Biomed Training	1
	Includes one (1) participant's airfare from North American customer location to the Cleveland Training Center (CTC) in Cleveland, Ohio. All other expenses will be the responsibility of the attendee. Details are provided during the scheduling process. Note: Cancellation/rescheduling policy strictly enforced. Expires one (1) year from the earlier of equipment delivery date or purchase date.	
22	Food Transpt Lodging for Cleveland Biomed Training	10
	Includes one (1) day of modest lodging, ground transportation, and meal expenses in Cleveland, Ohio for one (1) attendee. All other expenses will be the responsibility of the attendee. Details are provided during the scheduling process. Note: Cancellation/rescheduling policy strictly enforced. Although this part is only for one day, it is sold in multiple quantities to account for entire length of course. Expires one (1) year from the earlier of equipment delivery date or purchase date.	
23	NM3290 Brightview Sys CTC 9	1
	The Brightview system is stand-alone SPECT scanner for creating medical diagnostic images. This course combines a series of lectures and skill sessions that will prepare the field service engineer in the disciplines of system operation, safety, calibration, planned maintenance, diagnostics, troubleshooting, and repair. Upon completion of this course the student will be able to do the following things: Given the Brightview system installation manual and all supporting documentation, evaluate an installation site to determine if the site meets all of the requirements to allow a system installation process to begin; Given the system schematics, all supporting documentation, and access to an installed Brightview system, evaluate the system to determine	

that all electrical and signal cables are properly and completely connected for normal system operation; Given an operational Brightview camera and the Brightview Operator's manual, perform standard scan sequences to obtain diagnostic images for use in image quality evaluation; Given a list of normal system service procedures, identify the various electrical and mechanical safety hazards associated with each procedure; Given a Brightview system and the system Calibration manual, perform all service-level calibration procedures to bring the system within specification for performing normal diagnostic imaging scans; Given a Brightview system and the Planned Maintenance manual, perform all service-level planned maintenance procedures; Given a Brightview camera, the system Troubleshooting manual, the system Diagnostic manual, and all supporting documentation, diagnose, troubleshoot and repair faults in the system using the proper tools and test equipment, and following the proper procedures; Given a Brightview camera and the system Repair manual, successfully remove and replace various field-replaceable-units according to the documented procedures; Given an operational Brightview camera and another diagnostic imaging system or workstation, successfully establish a network connection for transferring data and DICOM image files.

The following key topics will be covered in this course:

- System Installation
- System operation and basic operating procedures
- General safety precautions
- System Calibration
- System Planned Maintenance
- System Troubleshooting and Repair
- System Networking

Prerequisites: Prior attendance to: NM9111 Nuclear Fundamentals. Accreditation: None. Location: CTC - Cleveland, OH, USA. Class Length: 9 days (excludes Saturdays, Sundays, and Philips holidays). Materials: System schematics, Training manuals, Course disk that contains lecture presentations and skill session procedures, Network access to associated electronic service documentation.

* PHILIPS PROPRIETARY MATERIALS SUCH AS DIAGNOSTIC SOFTWARE AND SERVICE DOCUMENTATION ARE NOT INCLUDED IN THE TRAINING AND WILL NOT BE AVAILABLE FOR USE OUTSIDE OF THE TRAINING ENVIRONMENT. THE TRAINEE MUST RETURN ALL PROPRIETARY MATERIALS RECEIVED DURING THE TRAINING AT THE END OF THE TRAINING. CUSTOMER ACKNOWLEDGES AND AGREES THAT NEITHER CUSTOMER NOR TRAINEE WILL RECEIVE A LICENSE TO SUCH PROPRIETARY MATERIALS AND THAT THE TRAINEE MAY NOT BE ABLE TO FULLY UTILIZE THE TRAINING WITHOUT THE USE OF SUCH PROPRIETARY MATERIALS. (CERTAIN LICENSES MAY BE OBTAINED THROUGH PURCHASE OF AN ALLIANCE CO-OP AGREEMENT.) Course dates and location to be finalized by Philips. Philips shall attempt to accommodate Customer requested dates and training location. The price quoted includes course tuition. Travel and living expenses are not included, but may be purchased separately through Philips.

IMPORTANT Notes Regarding Admission to Philips Customer Engineer Training Courses:

1. Trainee must meet all prerequisites
2. Course expires one (1) year from equipment installation date (or purchase date if sold separately)
3. Customer must sign Philips Nondisclosure statement
4. Trainee must sign Philips Nondisclosure statement
5. Customer must sign Philips terms and conditions of training

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Full Travel Package for OffSite 1
Education

Includes one (1) participant's airfare from North American customer location to Cleveland, Ohio, with modest lodging, ground transportation, and meal expenses. Breakfast/dinner provided by the hotel, and lunch/breaks are catered by Philips. All other expenses will be the responsibility of the attendee. Details are provided during the scheduling process. Note: Cancellation/rescheduling policy strictly enforced.

Expires one (1) year from the earlier of equipment delivery date or purchase date.