System Type:	New
Freight Terms:	FOB Destination
Warranty Terms:	Part numbers beginning with two (2) asterisks (**) are covered by a System 12 Months Warranty. All other part numbers are third (3rd) party items.
Special Notations:	Contingencies must be removed 120 days before scheduled shipment to assure delivery on specified date. Any rigging costs are the responsibility of the Purchaser.
Additional Terms:	

Line #	Part #	Description	Qty
1	****NNAG747**	**BV System -**	**1**

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:

- 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:

- 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.

Line #	Part #	Description	Qty

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

| 2 | **NRTC610 | **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 | **NRTC640 | **Cart-Based Flat Panel** | **1** |

BrightView mobile cart flat LCD monitor for the acquisition station

| 4 | **NRTC660 | **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 | **NRTC750 | **DICOM Modality Worklist** | **1** |

DICOM Modality Worklist software for the BrightView camera provides access to patient 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

Line #	Part #	Description	Qty

6   ****NRTE204**   **5.0 KVA UPS Power Conditioner**   **1**

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.

- 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   ****NRTC690**   **Premium Comfort Kit**   **1**

Premium patient comfort kit includes:

- 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   ****NRTA124**   **IVY BIOMEDICAL CARDIAC GATE**   **1**

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.

9   ****NRTC850**   **MEGP Collimator Pair**   **1**

Medium energy (300 keV) general-purpose collimator pair with exchange cart for semi-automatic and simultaneous exchange of both collimators.

10   ****NRTC870**   **CHR Collimator Pair**   **1**

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.

11   ****NRTD773**   **Intrinsic 4-Bar Phantom**   **1**

Line #	Part #	Description	Qty

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)

12   **NRTE346   EBW NM Standard   1

The Extended Brilliance Workspace, Nuclear Medicine (EBW NM) is a comprehensive and scalable workflow solution that integrates SPECT and SPECT/CT processing and advanced visualization tools on a common platform. This powerful yet intuitive processing environment can be tailored to accommodate your specific workflow needs.

• User friendly processing and viewing environment offering a comprehensive portfolio of Nuclear Medicine applications on one workspace
• Powerful platform providing efficient solution to manage large datasets while helping to speed the "time to diagnosis"
• Incorporates Philips' GuidedFlow concepts supporting clinical workflow and ease of use, to help facilitate enhanced productivity
• Maximum flexibility for viewing, performing advanced clinical applications, reporting and archiving
• Scalable platform for growth and future applications, making it a secure, long-term investment

EBW NM supports DICOM or Windows XP 64 bit compatible printers only. Please contact Philips to check compatibility with a specific printer model.

13   **NRTE300   SP Review/Processing   1

SP Review/Processing Software provides a comprehensive review, analysis, and processing environment for Planar and SPECT studies on the Extended Brilliance Workspace NM. It also allows for comparison and fusion of two SPECT datasets.

NM Application Suite includes 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".

AutoSPECT Pro provides for SPECT and SPECT/CT reconstruction workflows with a goal of reducing the number of user interactions through protocols. It integrates into one user interface, the following:

•   Fast and fully automated reconstruction and reorientation software with motion correction
•   SPECT/CT registration and fusion display with alpha-blending and triangulation to facilitate CT AC
•   Image review with fusion display

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.

The QA Suite provides a comprehensive set of tools to perform NEMA tests, daily and periodic QA.

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14   ****NRTD940**   **Astonish NM Application Suite**   **1**

Astonish is a family of advanced reconstruction algorithms to improve image quality in SPECT and Planar data sets by modeling the characteristics of the imaging system and removing the resolution losses due to distance-dependent blurring.

Astonish Features:
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, and I-131
Planar Astonish incorporates blinded deconvolution for the following protocols; Static, Dynamic, Total Body, and Planar Gated nuclear medicine images.

Astonish Benefits:
Improved image contrast and improved signal to noise ratio with PET-like resolution for sub-5mm resolution for SPECT reconstructed data and sub-5.5mm resolution with planar data.

Astonish Licensing:
Each Astonish license may be used with one JETStream Workspace workstation only.

The license is a stand-alone software application specific to the aforementioned cameras and is not compatible with older style Philips' or non-Philips' cameras.
NOTE: This package entitles the customer to a single Astonish license. This package includes one Astonish license.

NOTE: This package must be purchased for each workstation to be loaded with the Astonish package

15   ****NRTD965**   **MFSC EBW**   **1**

This option provides Multi-frame Secondary Capture capability within the AutoQUANT Application.

NOTE: Requires AutoQUANT for EBW license.

16   ****NRTE305**   **JETPack for EBW**   **1**

A suite of organ-specific applications for general nuclear medicine developed within the IDL programming environment. Fully integrated with the Extended Brilliance Workspace NM patient database, filming, archival, reporting, and DICOM services. Includes the IDL Runtime Package comprising of:

- One (1) IDL-RT Windows Node Locked License
- One (1) DICOM Network Services Runtime License

17   ****NRTD950**   **AutoQUANT for EBW Sngl License**   **1**