

HC/HT Specifications Gamma Camera

Gamma camera Technical Requirements:

1. 4-slice CT for attenuation correction and localization
2. Gantry aperture of at least 70cm
3. Capable of completing SPECT exams at both 90 and 180 degrees to allow for cardiac and general SPECT
4. Slice thickness of 2.5 mm
5. Detector must have ability to be orientated in upright and horizontal
6. Whole body capability with automatic contouring (infrared)
7. Automatic home position of gantry and table
8. Need ability to scan using single or multiple isotopes for the following exams:
 - Static
 - Dynamic
 - Multi-gated
 - Whole body scanning
 - SPECT
 - Gated SPECT
9. Simultaneous acquisition and energy spectrum histogram with up to 64 isolated windows per detector for multi-isotope and multi-peak scanning
10. Sodium Iodide (NaI) crystal with a thickness of 3/8 cm
11. Need rectangular useful field of view at least 55cm x 40cm
12. Shielded energy range 40-620 Kiloelectron Volt (KeV)
13. Uninterruptable power supply (UPS) for powering gantry and acquisition workstation
14. DICOM HIS/RIS workflow
15. At least two collimators of each of the following with transportation carts:
 - Low-energy high resolution – LEHR
 - Medium energy general purpose – MEGP
 - High-energy general purpose – HEGP
 - Pin-hole with 3 inserts
 - Fan beam
16. Dual-head detector
17. Axial head holder attachable to the table
18. Quality control package to include but not limited to:
 - Quality assurance source holder
 - Quality control flood holder and kit
 - Quality control point source holder
19. Bar phantom for quality checks (QCs)
20. Cardiac trigger with recorder
21. Optical drive read-write
22. FDA 510(k) clearance
23. Must fit into a 15-foot by 20-foot room with adequate clearance around entire unit for American Disability Act (ADA) compliance
24. Must be personal identity verification (PIV) badge compatible

Table Technical Requirements

1. Full articulation of the table to include swiveling to ± 30 degrees
2. Metal plate or floor protector to assist with collimator exchange without causing damage to floor
3. Patient weight capacity ≥ 500 lbs. but encouraged to submit bids with highest weight support
4. Vertical descent to 60 cm or lower
5. Longitudinal range of 175 cm or greater
6. Patient support for arms and legs during imaging
7. Butterfly arm support during cardiac SPECT scanning

Workstation Technical Requirements

1. Operators workstation including UPS (as defined by vendors)
2. Technologist workstation including UPS (as defined by vendors)
3. Windows 7 operating system
4. Storage capacity
5. Processor 4GB of RAM
6. Hard drive storage capacity of 200GB
7. Intel processor of 3GHz or higher

Advanced Applications

1. Full cardiac package to include but not limited to:
 - Gated myocardial perfusion imaging
 - Gated blood pool
 - First pass
 - Quantitative gated SPECT
 - Quantitative perfusion SPECT
2. General tomography for the following but not limited to exams:
 - Bone
 - Brain
 - Oncology
 - Liver
 - Gastrointestinal (GI)
3. Ability for scanning and processing capability but not limited to:
 - Whole body scanning
 - Renal scanning and processing
 - Hepatobiliary processing
 - Gastric emptying processing
 - Quantitative lung

Training

Technologist Training:

1. Initial Onsite Applications Training (minimum 4 days) – to be used 1 week prior to Go-Live for technologists
2. Go-Live onsite Applications Training (minimum 4 days) – to be used for technologists
3. Follow-up Onsite Applications Training (minimum 2 days) – to be used with the first 12 months from Go- Live for technologists
4. Offsite Training – for four Radiology technologists
5. Offsite Training Travel Package – for four Radiology technologists (Lodging/Meals/Transportation)

Physician Training:

1. Go-Live onsite Applications Training (minimum 4 days) – to be used for Physicians
2. Follow-up Onsite Applications (minimum 4 days) – to be used with the first 12 months from Go-Live for Physicians
3. Offsite Training – for two Physicians
4. Offsite Training Travel Package – for two Physicians (Lodging/Meals/Transportation)

Technical Training:

1. Technical Biomedical Engineering Training – 2 reserved
 - Quote to include all prerequisite courses necessary for modality service training
2. Technical Biomedical Engineering Training Travel Package (Lodging/Meals/Transportation)

Support and other Documentation to Provide:

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550) and MDS2 document
3. Provide information about your company's applications and technical support structure during the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)
4. Provide information about your company's applications and technical support structure during after the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)

Trade-in

Manufacturer: GE Healthcare

Model: Infinia Hawkeye

EE: 47766

S/N: CZC90243B8

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