

Portable CT Scan Specifications

Technical Requirements

1. 360 degree rotation < 400 msc
2. Minimum number of samples per rotation (images, slices) ≥ 32
3. Display CTDIvol (dose) before scan, with dose alert, notification messages
4. Display DLP (dose) after exposure, auditing services, DICOM structured dose reporting
5. Advance Dose Regulation
6. Compatible with ACR accreditation guidelines
7. Detector element width ≤ 1.25 mm
8. Automated mA regulation
9. 1.25, 2.5, 5.0, 10 mm slice thicknesses
10. Scan length of 2 meters
11. Retrospective and prospective gated ECG scan
12. Contrast timed injections (bolus chase)
13. Bayer Medrad injector interface
14. 60cm full field scan
15. 85 cm gantry opening
16. Reconstruction of images > 240 per second including iterative reconstruction
17. HL7 integration (HIS/RIS)
18. DICOM and IHE- Q/R, MWM, Storage commit SCU, MPPS, Agfa Impax compatible
19. Wireless networking capability
20. Separate 3D workstation for applications processing
21. Operator console
 - 21.1. Integral lead glass or acrylic shield
 - 21.2. DVD
 - 21.3. Windows 7
 - 21.4. Password protected login
 - 21.5. Key lockout feature
22. QA phantom, software analysis and reporting
23. Integral lead shielding in gantry
24. Internal battery drive system capable on any type of flooring
25. 110 VAC
26. Video cameras for wide field of view for operator
27. Interfaces with surgical navigation systems

Advanced Applications

1. CT biopsy guidance
2. CT Angiography
3. CT perfusion
4. 2D, MPR, and 3D reconstruction
5. Integration to 3rd party advanced visualization system

Training

1. On-site clinical education for technologists training for go live (Two consecutive weeks, 4 technologists) with CEU accreditation
2. Follow up on-site clinical education training (24 hours)
3. Full Biomed System training CT Image (1 engineers – tuition, lodging, and travel or onsite)

Optional Items

1. Metal and prosthetic artifact reduction
2. Extended 6 months warranty
3. CT fluoroscopy

Optional Training Items

1. All prerequisite courses are including in the training costs.

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 companies 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. Please provide version/platform long-range plan
5. Two complete sets of the operator and maintenance manuals
 - 5.1. One set of each must be hardcopy and the other set must be on a DVD/CD

Trade In

1. None