

Digital Mammography Specifications

Technical Requirements

1. Digital Detector
 - 1.1. Detector Size, W x H, cm 24 x 30
 - 1.2. Image bit depth: 14
 - 1.3. Pixel size, μm : ≤ 50
 - 1.4. DQE > 10 lp/mm: >20% @ 28 kV
 - 1.5. MTF @ 5 lp/mm: 50 %
2. Positioning Assembly
 - 2.1. Collimation
 - 2.2. 18 x 24 cm: Yes
 - 2.3. 24 x 30 cm: Yes
 - 2.4. Movement Locks: Electromagnetic
 - 2.5. Rotation, degrees: -135 to + 180
 - 2.6. Vertical, cm (in): 100 (39.4)
 - 2.7. SID, cm: 66
 - 2.8. Scale guide: Distance and pressure
3. AEC Detector: Yes
 - 3.1. Parameters controlled: kV, mAs, tungsten anode capable of 3D/filter
4. Hard Disk Storage: ≥ 100 GB
5. DICOM 3.0: Yes
6. Radiation Output
 - 6.1. mR/sec @ 28 kVp: ≥ 800
7. Compression System
 - 7.1. Force, N: 200
8. Grid Ratio: 5:01
9. Bucky: For both film sizes
10. Magnification Device: Yes
11. Integrated upright biopsy capability
12. High frequency generator
13. UPS to maintain total system functionality for 10 minutes without facility power
14. If Windows is loaded on a workstation, it must be Windows 7 or latest version

Optional Items

1. Extended 6 months warranty
2. Stereotactic Device

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