

## Functional Requirements for Digital Mobile C-arm

### Technical Requirements

1. Flat panel detector
2. Maximum field of view
3. X- ray tube, to include low profile tube housing
4. Dual articulating flat panel monitors, minimum 18" high resolution monitors with touch screen control
5. Integrated keyboard on workstation allowing back up functionality to touch screen control system.
6. Minimum 60 kHz high frequency generator
7. Minimum 15 kW continuous power
8. Minimum 0.3 mm and 0.6 mm focal spots
9. Digital Subtraction Angiography (DSA)
10. Pulsed cine Bolus chase and roadmap capability for vascular and interventional procedures
11. Measurement software
12. Automatic image playback
13. HL7 integration (HIS/RIS)
14. Digital image rotation, reversal and image invert
15. Selectable mode settings for high level pulse, low dose and 20 fps or greater
16. Easy positioning of C-arm
17. laser aimer/ localizer
18. DVD/CD Read and Write capability
19. Bayer-Medrad injector interface option for angiographic imaging
20. Wireless remote control
21. Motorized rotation
22. Structured DICOM dose reporting
23. If Windows is loaded on a workstation, it must be Windows 7 or latest version

### Training

1. Minimum 2 days onsite clinical training per unit
2. Minimum 1 day follow up applications training to be provided after technologists have completed hands on experience with the C-arm system
3. Technical Biomedical Engineering training, tuition and travel

### Optional Items

1. Extended 6 months warranty

### 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 MDS<sup>2</sup> 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