

Functional Requirements for Digital Mobile C-arm
St. Cloud VA Health Care System (656)
656-B30023

Technical Requirements

1. Tri – mode image intensifier, (minimum 12”/9”/6”)
2. Rotating Anode X- ray tube, to include low profile tube housing
3. Dual articulating flat panel monitors, minimum 18” high resolution monitors with touch screen control
4. Integrated keyboard on workstation allowing back up functionality to touch screen control system.
5. Minimum 60 kHz high frequency generator
6. Minimum 15 kW power
7. Minimum 0.3 mm and 0.6 mm focal spots
8. Digital Subtraction Angiography (DSA)
9. Pulsed cine Bolus chase and roadmap capability for vascular and interventional procedures
10. Measurement software
11. Automatic image playback
12. HL7 integration (HIS/RIS)
13. Digital image rotation, reversal and image invert
14. Selectable mode settings for high level pulse, low dose and continuous fluoroscopy
15. Easy positioning of C-arm
16. 12” I.I. laser aimer/ localizer

Advanced Applications/Options

1. Digital Subtraction Angiography (DSA)
2. Pulsed cine Bolus chase imaging with single contrast injection
3. Roadmap technology for vascular imaging
4. Automatic image replay
5. DVD/CD Read and Write capability
6. Injector interface option for angiographic imaging

Training

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

Trade in

None.