

Functional Requirements for Digital Mobile C-arm  
Omaha VA Health Care System (636)  
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## Technical Requirements

1. A flat detector with exclusive rotating capabilities.
2. CsI (cesium iodide) material, which provides high sensitivity, resulting in lower dose and high quality images.
3. The ability to provide distortion-free images that rival standard X-ray procedures
4. Touchscreen controls that offer effortless image adjustment and rotation for clear and accurate visualization.
- ~~5. Equipped with a standard 6"-4" image intensifier, that delivers ultra-fine, low-dose fluoroscopy and snap-shot images. The system needs to be fully automated and customizable acquisition that makes it a simple "point-and-shoot" device.~~
6. A lightweight, flat touchscreen monitor that can be rotated and positioned effortlessly.
7. Imaging C-arm that moves with unprecedented maneuverability and enables you to easily get the precise angles that you need.
8. Greater comfort for you and your patients and improved visualization in all types of extremity surgeries.
9. HD touchscreen monitor with finger-touch rotation and easy-to-understand command buttons:
  - a. Adjustment-free imaging with automatic exposure, as well as motion and metal detection
  - b. Tilt-and-swivel capabilities to orient the monitor for best viewing
10. Convenient handle and tube-head controls for fine tuning when needed
11. Laser alignment light to help guide imaging to the precise and appropriate location
12. Single press X-ray exposure right at your fingertips
13. Multi-function wireless foot pedal
14. Lightweight system that can be easily moved from room to room
15. Folds into a tight mobile package for quick and efficient storage
16. Full range of motion for improved maneuverability and positioning
17. Forward tube source, which will provide unmatched arch depth for greater flexibility
18. Full 120° range of motion, both forward and back, providing exceptional maneuverability and flexibility.
19. Flat surface beneath the detector, which allows for efficient table-top positioning
20. Installation

## Advanced Applications/Options

1. Automatic image replay
2. DVD/CD Read and Write capability
3. One year warranty for parts and labor

**Training**

- Minimum 1 day onsite Clinical training
- Technical Biomedical Engineering training that includes tuition, travel and lodging

**Trade in**

None