

# OVERVIEW MOBILE VIDEO SYSTEM

by Mechanical Concepts

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<http://www.mechconcepts.com/>

<https://vimeo.com/163587566>



A unique, FCC Section 15 certified mobile camera rig that allows for filming of medical procedures in any setting, keeping bulky equipment and operators safely away from the surgical team.

## Highlights:

- Designed for filming in surgical suites
- Setup is extremely fast and simple (under 3 minutes)
- Camera head stored internally when not in use for added security
- Relatively thin arm with long overhead reach keeps rig unobtrusive and out of the way
- Fits through standard hallways and doors when collapsed
- Backup battery life of up to 15 hours
- Onboard LED monitor
- Integrated camera controls
- FCC certified to operate in hospitals

## 6 motorized axes of motion

- Boom lift (swings arm up in an arc, placing head up to 10.8 feet [130 inches] from ground)
- Boom extension (arm telescopes out from 4.3 feet [52 inches] to 6.9 feet [83 inches] from front of cart when horizontal)
- Boom swing (column rotates a total of 60 degrees at base, which means 8.75 feet [105 inches] linear motion when arm is extended)
- Camera pan
- Camera tilt
- Camera roll

A number of adaptations could be added such as a motorized assist drive system for ease of mobility, or programmable motion with a high degree of repeatability. The system could also be adapted to expand into an automated track camera system. Such adaptations can make it appropriate for other industries, such as standard film motion control, stop motion, or tabletop photography.





Designed &  
manufactured in  
Los Angeles, CA

**OVERVIEW**  
mobile video system

[www.mechconcepts.com](http://www.mechconcepts.com)

