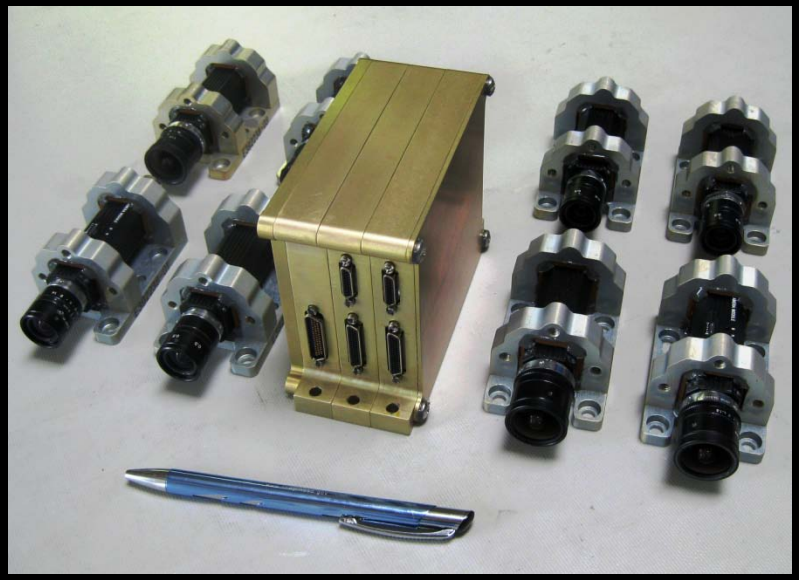
Onboard Systems Record Unique Videos of Space Missions

Ames Research Center
Dryden Flight Research Center

Ecliptic Enterprises Corporation
Pasadena, California



Originating Technology/NASA Contribution

- NASA's LCROSS spacecraft featured nine instruments, including five cameras
- The mission's tight budget required an affordable, efficient handling unit to control, route, and transmit instrument data back to Earth

Partnership

- Ecliptic provides onboard video systems for use on rockets and spacecraft
- LCROSS team partnered with Ecliptic to use the company's digital video controller as the spacecraft's Data Handling Unit
- The company also collaborated with Dryden to develop a high-speed video system for the Constellation Abort Flight Test program

Product Outcome

- Ecliptic gained enhanced technologies and high-speed/definition video capabilities
- The company has video systems onboard multiple rockets and commercial satellites
- The technology will enable educational video from the MoonKAM system on NASA's GRAIL spacecraft