

CINEMA MINI 512

The Cinema Mini 512, <50lbs with payload, is the ideal gimbal platform for light aircraft such as the Guimbal Cabri G2 and R44, or vehicle and marine mounts, when larger camera and lens payloads are not required. This small and light system has all the performance features of other GSS systems, including stabilized look-down. As with all GSS gimbals, the Cinema Mini 512 is well-suited for a variety of applications including aerial, ground vehicle, marine mounted and more.

► SYSTEM FEATURES

- Advanced fiber optic gyro-stabilization
- VectorSteering™ 6-axes of movement in a 5-axis gimbal
 - Stabilized look down (no gimbal lock) in a smaller, lighter package
- Interchangeable cameras/lenses/inner axis
- Fully upgradeable as gimbal, camera, and lens technologies evolve
- Stabilized or steerable horizon with in-flight automatic calibration
- High-speed fiber optic video data transfer
- No auxiliary junction unit required
- No ITAR or EAR export restrictions
- Ships as excess baggage (<70lbs/32kg per case)
- MIL-STD-810F power filters with reverse polarity protection
- Engineered/Manufactured to DO-160G standards - not certified
- Platform designed for both standard and inverted use
- Wireless capability option
- Metadata outputs (lens, camera, & GPS functions)
- Electro-mechanical gimbal stow mechanism
- Compatible with existing air and ground mounts
- Standard 1-year warranty and 24/7/365 customer service



▶ SYSTEM SPECIFICATIONS

Gimbal Performance

VectorSteering™ offers 6-axes of movement in a 5-axis gimbal - gyrostabilized
Azimuth: 360° continuous
Elevation: 35° to -205° from horizontal
Roll: > +/- 90° (steerable/stabilized)
Gimbal slew rate: 0-130°/second depending on gearbox
Max operational airspeed: variable depending on gearbox

Interface

Control: RS-232, RS-422, or Ethernet

Electrical

VIN: 18-33 VDC
Power: 15 amps max draw at 28 VDC

Dimensions

Gimbal width: 13.8 inches (351 mm)
Gimbal height: 19.4 inches (493 mm)
Snout length: 0-6 inches (0-152 mm)
Cable set length: 20 feet (standard set)

Weight

Platform: <50 lbs (22 kg) with payload
Hand Control Unit: 7 lbs (3.2 kg)
Auxiliary Junction Unit: payload specific
Cable Set: 8 lbs (3.6 kg)

Environmental

Operating temperature: -4° to +122°F (-20° to +50°C)
Sealed system for airborne/ground/marine applications

Interchangeable Camera Options*

RED Komodo / RED DSMC3
Ikegami HDL-F4000
Phase One iXM100/150
Mirrorless Cameras (Sony, Canon, Nikon, Fuji)
*Other cameras available upon request

Interchangeable Lens Options**

Canon CINE-SERVO 25-250mm
Canon CINE-SERVO 17-120
Fujinon Cabrio 20-120mm
Fujinon Premista 28-100mm/80-250
**Other lenses available upon request

Helicopter/Airplane Mount Availability

AS 350/355 Bell 206/206L/407 EC-120
Robinson R44/R66 Cessna 172/206
Guimbal Cabri G2
(Also compatible with various other aircraft)

Vehicle/Marine Mount Configurations

Arm Mounts Mitchell Mount
Various other mount types from many manufacturers

Specifications are subject to change.

