

CINEMA MINI 512EX - GEN 2

The redesigned Cinema Mini 512EX makes camera swapping easier than ever with a pristine inner landscape and secure connection in minutes. Capable of handling monster payloads like the Red and Canon 50-1000 lens, the Cinema Mini 512EX is lightweight, nimble and boasts six-axis look-down stabilization via VectorSteering™. As with all GSS gimbals, the Cinema Mini 512EX is well-suited for a variety of applications including aerial, auto, 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
- 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
- Platform designed for both standard and inverted use
- Wireless capability option
- Metadata outputs (lens, camera, & GPS functions)
- Fully upgradeable as gimbal, camera, and lens technologies evolve
- Stabilized or steerable horizon with in-flight automatic calibration
- Engineered/Manufactured to DO-160G standards - not certified
- Electro-mechanical gimbal stow mechanism
- Standard 1-year warranty and 24/7/365 customer service

ADVANCED TECHNOLOGY

- Added tuning profiles compatible with various NHU mounts
- Rock solid stability during heavy impacts with faster elevation motors
- Captive hardware on front and back covers
- Improved visibility on operator screen interface
- Rain deflector optional and compatible between all systems

GEN 2 UPGRADES

- Redesign allows for interchangeable cameras/lenses in minutes with simplified outer axis connection
- Dust-proof sensor with sealed Revolve
- Added encoder to Revolve for fast, accurate wheel turns
- Faster FIZ motors (prevents lag)



▶ SYSTEM SPECIFICATIONS

Gimbal Performance

VectorSteering™ offers 6-axes of movement in a 5-axis gimbal - gyrostabilized

Azimuth: 360° continuous

Elevation: 35° to -210° 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: 41 lbs (18.5 kg) + 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

Camera/Lens Payload Options*

Arri Alexa Mini/LF

RED Komodo

RED DSMC2

RED DSMC3

*Other cameras available upon request

Interchangeable Lens Options**

Angenieux Optimo 10:1 & Optimo wide zooms

Canon Cinema Series

Canon 50-1000mm

Fujinon Cabrio 20-120mm

Primes - Various

**Other lenses available upon request

Helicopter/Airplane Mount Availability

AS 350/355 Bell 206/206L/407 Bell 505

Robinson R44/R66 Cessna 172/206

EC-120/125/130/135/145

(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.

