

CINEMA SERIES: C520 GYRO-STABILIZED PLATFORM

System Features

- 5-axis advanced fiber optic gyro-stabilization
- No ITAR or EAR export restrictions
- Modularized to ship as excess baggage (<70lbs/32kg per box)
- MIL-STD-810F power filters with reverse polarity protection
- Engineered/manufactured to DO-160G standards with independent FAA DER design inputs - not independently certified
- High-speed fiber optic video data transfer
- Platform designed for both standard and inverted use
- Wireless capability option
- Meta-data outputs (lens, camera, & GPS functions)
- Remote controlled/interchangeable optical filter system
- Programmable system user interface
- Compatible with laptop or optional hand control units
- RS-232, RS-422, and Ethernet compatible
- Military-Aerospace 1285/1287 EMI Sealing
- Electro-mechanical gimbal stow mechanism
- Remote diagnostics
- Compatible with existing air and ground mounts
- Standard 2-year warranty



System Specifications

Gimbal Performance:

5-axis advanced fiber optic gyro-stabilization
 Azimuth: 360° continuous
 Elevation: +30° to -205° from horizontal
 Roll: +/- 65° from horizontal (steerable/stabilized)
 Gimbal Slew Rate: 0-120°/second
 Maximum Operational Airspeed: Up to 400 knots

Interface:

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

Electrical:

VIN: 18-33 VDC
 Power Requirements: 15 amps maximum (at 28 VDC)

Dimensions:

Gimbal Diameter: 20 inches (508 mm)
 Gimbal Height: 23.5 inches (597 mm) + snout length
 Snout Length: 0-6 Inches (0-152 mm) (lens choice dependent)
 Cable Set Length: 20 feet or customizable up to 100 feet

Weight:

Platform: 95lbs (43.1kg)
 Laptop Control Unit: 5lbs (2.3kg)
 Auxiliary Junction Unit: Payload specific or not required
 Cable Set: 3lbs (1.4kg)

Environmental:

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

Camera Options (Interchangeable):

Red Epic-X
 Arri Alexa M
 Sony F55 & HDC-2500
 *Other cameras available upon request

Lens Options (Interchangeable):

Canon 30-300 & 14.5-60
 Angenieux Optimo 28-340, 24-290, & 17-80
 Fujinon Premier PL Series
 B4 mount ENG lenses (limited to payload compatibility)
 *Other lenses available upon request

Recommended Helicopter Mount Configuration:

Airfilm AS 350/355 AF200 Nose/Side Mount
 Airfilm AS 350/355 Lower Left Hand Singlepole Nose Mount
 Airfilm Bell 206/407 Nose Camera Mount
 Airfilm 6-axis passive vibration isolator
 *Compatible with various Airfilm and other mounts

Recommended Vehicle/Marine Mount Configuration:

Airfilm Unimount
 Airfilm 6-axis passive vibration isolator