

CINEMA SERIES – C516



System Features

- 5-axis advanced fiber optic gyro-stabilization
- VectorSteering™ look-down with no gimbal lock
- Interchangeable cameras/lenses/inner-axis in less than 30 minutes
- 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
- Independent Structural Analysis IAW FAA 14 CFR 23.337, 25.337, 27.337, & 29.337 at 200 knots
- Engineered/Manufactured to DO-160G standards - not certified
- Platform designed for both standard and inverted use
- GroundControl™ wireless, bi-directional, gimbal control
- Metadata outputs (lens, camera, & GPS functions)
- Geo-pointing option
- Electro-mechanical gimbal stow mechanism
- Compatible with existing air and ground mounts
- Standard 2-year warranty and 24/7/365 customer service

System Specs

Gimbal Performance

5-axis advanced fiber optic gyro-stabilization
Azimuth: 360° continuous
Elevation: 27° to -195° from horizontal
Roll: +/- 120° (steerable/stabilized)
Gimbal Slew Rate: 0-150°/second
Max Operational Airspeed: 200 knots - certified to FAA 14CFR requirements, increased airspeeds possible

Interface

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

Electrical

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

Dimensions

Gimbal width: 16.5 inches (419 mm)
Gimbal height: 20.9 inches (530 mm)
Snout length: 0-6 inches (0-152 mm)
Cable set length: 20 - 100 feet

Weight

Platform: 60 lbs (27.2 kg) + payload
Laptop 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

Sony PMW-F55, HDC-P1, & HDC-P43
RED Dragon, RED Weapon
Arri Alexa XT M, Arri Alexa Mini
*Other cameras available upon request

Interchangeable Lens Options

Angenieux Optimo Style 25-250, & Optimo Wide Zooms
Canon Cinema Series, Zeiss Master Primes, & Arri 9.5-18
Fujinon Premiere PL/Cabrio Series
B4 mount ENG lenses (limited to payload compatibility)
*Other lenses available upon request

Helicopter/Airplane Mount Availability

AS 350/355 Bell 206/206L/407 Bell 505
EC-120 Robinson R44/R66 Cessna 172/206
*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

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CAMERA & LENS CONFIGURATIONS

	Angenieux Optimo Style 25-250	Angenieux Optimo 19.5-94	Arri Ultra Wide Zoom UWZ 9.5-18	Canon 50-1000	Canon 30-300	Canon 17-120	Canon 14.5-60	Fujinon Cabrio 25-300	Fujinon Cabrio 19-90/20-120	Zeiss Master Primes	Canon 40x10	Canon 40x14	Canon 14x4.3/12x4.3 4K	Fujinon 42x9.7	Fujinon 42x13.5	Fujinon 14x4.5/13x4.45 4K
Arri Alexa XT M	90	90	90	95	90	90	90	105	90	85	90	90	80	90	90	80
Arri Alexa Mini	90	90	90	95	90	90	90	105	90	85	90	90	80	90	90	80
Canon C700	90	90	90	95	90	90	90	105	90	85	90	90	80	90	90	80
Red Weapon	90	90	90	95	90	90	90	105	90	85	90	90	80	90	90	80
Sony F55 with or w/o Recorder	90	90	90	95	90	90	90	105	90	85	90	90	80	90	90	80
Sony P1/P43											90	90	80	90	90	80

Outlined payload configurations use the I/BE HDx35 B4/PL Adapter

All weights are shown in pounds

All GSS C516 payload configurations are qualified to fly on the Airfilm AS350/355 AFSP Nose Mount or Bell 206/206L/407 Nose Camera Mount

All GSS C516 payload configurations fly as excess baggage in cases at less than 70lbs/32kg

The GSS C516 has more camera and lens payload configurations than any system in its class. Many other options are available upon request