

CINEMA PRO 516

Perfect for use in almost any scenario, the Cinema Pro 516 stabilized platform has the ability to integrate the most popular payloads. With 6-axes of movement via VectorSteering™ in a mid-sized platform, this gimbal can easily handle medium-sized cinema cameras with impressive lenses! As with all GSS gimbals, the Cinema Pro 516 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 in less than 30 minutes
- 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)
- Geo-referencing option
- Electro-mechanical gimbal stow mechanism
- Compatible with existing air and ground mounts



► SYSTEM SPECIFICATIONS

Gimbal Performance

VectorSteering™ offers 6-axes of movement in a 5-axis gimbal - gyrostabilized
 Azimuth: 360° continuous
 Elevation: 27° to -195° from horizontal
 Roll: > +/- 90° (steerable/stabilized)
 Gimbal Slew Rate: 0-150°/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: 16.5 inches (419 mm)
 Gimbal height: 21.4 inches (544 mm)
 Snout length: 0-6 inches (0-152 mm)
 Cable set length: 20 feet (standard set)

Weight

Platform: 60 lbs (27.2 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

Interchangeable Camera Options*

Sony Venice, PMW-F55, HDC-P1, HDC-P43 & HDC-P50
 RED DSMC2 / DSMC3 / KOMODO
 Arri Alexa XT M & Arri Alexa Mini/LF
 *Other cameras available upon request

Interchangeable Lens Options**

Angenieux Optimo 10:1 & Optimo wide zooms
 Canon Cinema Series
 Fujinon Premiere PL/Cabrio Series
 Arri Ultra Wide Zoom 9.5 - 18
 Primes - Various
 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.

► 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 40x/45x 4K	Canon 14x4.3/12x4.3 4K	Fujinon 42x/46x 4K	Fujinon 14x4.5/13x4.45 4K
Arri Alexa XT M	90	90	90	95	90	90	90	105	90	85	90	80	90	80
Arri Alexa Mini/LF	90	90	90	95	90	90	90	105	90	85	90	80	90	80
Canon C700	90	90	90	95	90	90	90	105	90	85	90	80	90	80
RED DSMC2/DSMC3	90	90	90	95	90	90	90	105	90	85	90	80	90	80
Sony F55/Venice	90	90	90	95	90	90	90	105	90	85	90	80	90	80
Sony P1/P43/P50											90	80	90	80

- Payload configurations shown in RED use the I/BE HDx35 B4/PL Adapter
- All weights shown in pounds