

CINEMA PRO+ 520

The Cinema Pro+ 520 is optimized for larger cinema payloads and integrates more camera and lens payload configurations than any gimbal in its class. With VectorSteering™, this gimbal can handle full-sized cinema cameras and the largest lenses on the market. As with all GSS gimbals, the Cinema Pro+ 520 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
 - Pre-balanced or universal camera and lens kits
- 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
- 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: 30° to -205° 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: 20 inches (508 mm)
 Gimbal height: 24.0 inches (610 mm)
 Snout length: 0-6 inches (0-152 mm)
 Cable set length: 20 feet (standard set)

Weight

Platform: 85 lbs (38.5 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

Interchangeable Camera Options*

Arri Alexa 65, LF, XT M & Mini/LF
 RED DSMC2 / DSMC3 /Komodo
 Sony Venice, PMW-F55, HDC-P1, HDC-P43 & HDC-P50
 *Other cameras available upon request

Interchangeable Lens Options**

Angenieux Optimo 12:1, 10:1 & Optimo wide zooms
 Canon Cinema Series
 Fujinon Premiere PL/Cabrio Series
 Primes - Various
 Arri 65 & Signature Primes
 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 12:1	Angenieux Optimo 44-440/25-250	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	Arri GS Primes	Canon 14x4.3/12x4.3 4K	Fujinon 42x/46x 4K	Fujinon 14x4.5/13x4.45 4K
Arri Alexa 65													115			
Arri Alexa XT M/LF	140	120	115	115	115	115	115	115	135	115	115	115		115	115	115
Arri Alexa Mini/LF	140	120	115	115	115	115	115	115	135	115	115	115		115	115	115
Canon C700	140	120	115	115	115	115	115	115	135	115	115	115		115	115	115
RED DSMC2/DSMC3	140	120	115	115	115	115	115	115	135	115	115	115		115	115	115
Sony F55/Venice	140	120	115	115	115	115	115	115	135	115	115	115		115	115	115
Vision Research Phantom Flex 4K	140	120	115	115	115	115	115	115	135	115	115	115		115	115	115
Sony P1/P43/P50												115		115	115	115

- Payload configurations shown in RED use the I/BE HDx35 B4/PL Adapter
- All weights shown in pounds
- All GSS Cinema Pro+ 520 payload configurations are qualified to fly on the Airfilm AS350/355 AFSP Nose Camera Mount.
- Most GSS Cinema Pro+ 520 payload configurations are qualified to fly on the Airfilm Bell 206/206L/407 Nose Camera Mount.