

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, Alexa Mini/LF
 RED: DSMC2, DSMC3, Komodo
 Sony: Venice 2, HDC-P50
 *Other cameras available upon request

Interchangeable Lens Options**

Angenieux Optimo Ultra 12x & Optimo wide zooms
 Canon Cinema Series
 Fujinon Premiere PL/Cabrio Series
 Arri 65 Primes
 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 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 Ultra 12x	Angenieux Optimo Style 44-440/25-250	Angenieux Optimo 19.5-94	Arri Ultra Wide Zoom UWZ 9.5-18	Canon 50-1000	Canon CINE-SERVO 25-250	Canon 17-120	Canon 14.5-60	Fujinon Cabrio 25-300	Fujinon Cabrio 19-90/20-120	Canon 45x 4K UHD	Arri 65 Primes	Canon C12x - C125x	Fujinon 46x 4K UHD	Fujinon UA13x - UA23x
Arri Alexa 65												115			
Arri Alexa Mini/LF	140	120	115	115	115	115	115	115	135	115	-		-	-	-
RED DSMC2/DSMC3	140	120	115	115	115	115	115	115	135	115	-		-	-	-
Sony Venice 2	140	120	115	115	115	115	115	115	135	115	-		-	-	-
Phantom Flex 4K	140	120	115	115	115	115	115	115	135	115	-		-	-	-
Sony P50											115		115	115	115

- 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.