

## CINEMA SERIES – C520 Cinema Pro



### 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: 30° to -205° 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: 20 inches (508 mm)  
Gimbal height: 23.5 inches (597 mm)  
Snout length: 0-6 inches (0-152 mm)  
Cable set length: 20 - 100 feet

#### Weight

Platform: 85 lbs (38.5 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 & Weapon  
Arri Alexa XT M, Alexa Mini & Alexa 65  
Vision Research Phantom Flex 4K  
\*Other cameras available upon request

#### Interchangeable Lens Options

Angenieux Optimo Series, including 12:1  
Canon Cinema Series  
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  
Robinson R66 Cessna 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

# CINEMA SERIES – C520 Cinema Pro CAMERA & LENS CONFIGURATIONS

	Angenieux Optimo 28-340	Angenieux Optimo 24-290	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 40x10	Canon 40x14	Canon 14x4.3/12x4.3 4K	Fujinon 42x9.7	Fujinon 42x13.5	Fujinon 14x4.5/13x4.45 4K	
Arri Alexa 65	140	140	120	115	115	115	115	115	115	135	115	115	115	115	115	115	115	115	115
Arri Alexa XT M	140	140	120	115	115	115	115	115	115	135	115	115	115	115	115	115	115	115	115
Arri Alexa Mini	140	140	120	115	115	115	115	115	115	135	115	115	115	115	115	115	115	115	115
Canon C700	140	140	120	115	115	115	115	115	115	135	115	115	115	115	115	115	115	115	115
Red Weapon	140	140	120	115	115	115	115	115	115	135	115	115	115	115	115	115	115	115	115
Sony F55 with or w/o Recorder	140	140	120	115	115	115	115	115	115	135	115	115	115	115	115	115	115	115	115
Sony P43/P1													115	115	115	115	115	115	115
Vision Research Phantom Flex 4K	140	140	120	115	115	115	115	115	115	135	115	115	115	115	115	115	115	115	115

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

All weights shown in pounds

All GSS C520 payload configurations are qualified to fly on the Airfilm AS350/355 AFSP Nose Mount

Most GSS C520 payload configurations are qualified to fly on the Bell 206/206L/407 Nose Camera Mount

All GSS C520 payload configurations fly as excess baggage in cases at less than 70lbs/32kg

The GSS C520 has more camera and lens payload configurations than any system in its' class. Many other options are available upon request