

## BROADCAST SERIES – B520



### System Features

- 5-axis advanced fiber optic gyro-stabilization
- VectorSteering look-down capability with no gimbal lock
- Geo-pointing with moving map interface option
- Isolated electronics eliminates video noise
- Fully upgradeable as gimbal, camera, and lens technologies evolve
- No auxiliary junction unit required
- Stabilized or steerable horizon with in-flight automatic calibration
- No ITAR or EAR export restrictions
- Modularized to ship 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
- Wireless capability option
- Metadata outputs (lens, camera, & GPS functions)
- Remote controlled optical filter system
- 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: +/- 90° (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

#### Camera Options

Sony HDC-2500L, HDC-P1  
Sony PMW-F55 with B4 Adapter  
Panasonic AK-UB300 4K  
Grass Valley LDX Compact  
Canon ME20F-SH Low-light  
Ikegami HDL-F3000 Low-light  
\*Other cameras available upon request

#### Interchangeable Lens Options

Canon HJ40x10, HJ40x14, & HJ14x4.3  
Fujinon HA42x9.7, HA42x13.5, & HA14x4.5  
\*Other lenses available upon request

#### Recommended Helicopter Mount Configuration

Airfilm AS 350/355 AFSP Nose Mount  
Airfilm Bell 206/206L/407 Nose Camera Mount  
Airfilm 6-axis passive vibration isolator  
\*Compatible with various other mounts

#### Recommended Vehicle/Marine Mount Configuration

Airfilm Unimount  
Airfilm 6-axis passive vibration isolator

\*Specifications are subject to change