

BROADCAST SERIES – B512



System Features

- 5-axis advanced 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
- Stabilized or steerable horizon with in-flight automatic calibration
- 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)
- 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: 35° to -210° from horizontal
- Roll: +/- 90° (steerable/stabilized)
- Gimbal slew rate: 0-150°/second
- Max operational airspeed: 150+ 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: 13.5 inches (343 mm)
Gimbal height: 16.5 inches (419 mm)
Snout length: 0-6 inches (0-152 mm)
Cable set length: 20 - 100 feet

Weight

Platform: 35 lbs (15.9 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/Lens Payload Options

Sony HDC-2500L, HDC-P1
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