

UTILITY SERIES – U516



System Features

- 4 or 5-axis advanced fiber optic gyro-stabilization
- Interchange cameras, lenses, and sensors in less than 30 minutes
- Fully upgradeable as gimbal, camera, lens, and sensor technologies evolve
- Geo-pointing with moving map interface option
- Look-down capability
- High-speed fiber optic video data transfer
- No ITAR or EAR export restrictions
- Modularized to ship as excess baggage (<70lbs/32kg per box)
- 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)
- Internal and external INS options
- 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

- 4 or 5-axis advanced fiber optic gyro-stabilization
- Azimuth: 360° continuous
- Elevation: 22° to -195° 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: 16 inches (406 mm)
Gimbal height: 19.5 inches (495 mm)
Snout length: 0-6 inches (0-152 mm)
Cable set length: 20 - 100 feet

Weight

Platform: 60 lbs (27.2 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, and marine applications

Interchangeable Camera Options

Still Cameras: Phase One, Hasselblad, Canon, Nikon
EO Cameras: WAMI Payloads, Red Epic/Mysterium/Dragon
Specialty Cameras: Corona, Hyperspectral
*Other cameras available upon request

Interchangeable Lens Options

Still Lenses: Schneider-Kreuznach, Zeiss, Canon
HD Lenses: Fujinon and Canon
*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