CM 160
Multi Sensor Gimbal

Features:

- Gyro Stabilised Velocity Mode (World)
- Velocity Mode (Gimbal)
- Position Mode (Gimbal)
- Angle streaming (Gimbal)
- IR/UV Capable
- Lightweight
- Small
- Robust
- Weatherproof
- RS232 Compliant
- Robust Data Protocol
- Low power Consumption
- No requirement for calibration
- Continuous comprehensive self test
- Suitable for high integrity applications
- High immunity to shock and vibration

Gimbal **2-4 Axis Gyro Stabilised**

Specs

Position Resolution	0.011°
Position Accuracy	0.005°
Stabilisation Accuracy	0.05°
Elevation	+- 90°
Azimuth	360° Continuous
Slew Rate	155°/sec (2.7 rad/s)
Slew Acceleration	100°/s/s
Power	4W/15W
Voltage	12-52V
Sensors	IR/UV, FCB-EX980SP Laser Range Finder 5MP Digital Sensors

Physical

Weight	1450 g
Dimensions	160mm D160xH195mm

Compatible Sensors:

IR Cams:

FLIR Photon	320/640 up to a 50mm lens
Thermoteknix	110k/307k up to a 50mm lens
Opgal	320 and 640 upto 50mm lens

Daylight Cams:

Sony FCB-EX Series block cameras
Gigabit Cameras
Firewire Cameras

The CM160 payload can be controlled via the RS232 protocol (38400Baud), currently we provide a Ground Control Station enabling the user to control all functions associated with the various sensors and the slewing Gimbal control.

This protocol has been implemented by UAV Navigation and MicroPilot to operate seamlessly with their Autopilots. As such you can operate the gimbal in stabilised mode and have the ability to Geo-point the sensors at your desired location and pinpoint objects on the map.