

SMART MICRO GIMBAL

- Long range observation
- On-board intelligence
- Automatic target tracking
- Video and map synchronization



Gimbal

- ✓ Stabilization system
- ✓ Lightweight : 1.6kg (3.5lbs)
- ✓ Diameter : 155mm (6.1 in)
- ✓ E/O sensor HD720p with x30 zoom
- ✓ IR sensor 640x480 (25Hz) with 17° lens
- ✓

Embedded video processing

- ✓ 3 axis stabilisation system
- ✓ Quality enhancement
- ✓ Target detection and tracking
- ✓ Geo Tracking
- ✓ Video tracking
- ✓ ITAR-free

Typical Integrations



UAVs



UAVs



Boats



Land Vehicles



Robots

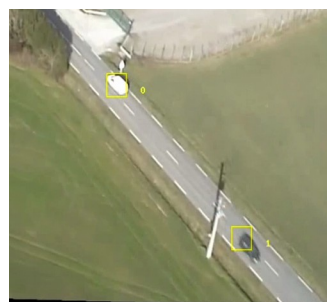
Typical Applications



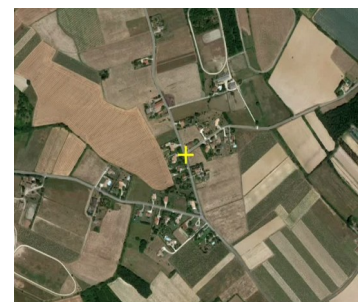
Human EO detection



Human IR detection



Mobile detection



Map localisation



Gimbal System Technical Specifications			
Mechanics	Two axis gyro stabilised direct drive gimbal		
Built-in Video Processing	Third axis electronic stabilisation, advanced image enhancement, target detection and tracking, metadata insertion		
Pan/Tilt Range	Infinite		
Slew Rate	Up to 300°/sec		
Control Interface	RS485, Ethernet		
Video Interface	1 x composite (PAL or NTSC) and simultaneous EO/IR digital video		
Angular Resolution	25 µrad		
Mechanical bandwidth	25 Hz		
Power Requirements	12 - 28 Vdc, 18W (typical)		
Dimensions	155 mm (6,1 in) diameter		
Weight	1,6 kg (3,5 lbs)		
E/O Sensor	SD x 36 zoom HFOV : 1.7°-57.8°	HD720p x 30 zoom HFOV : 2.2° - 62.9°	HD1080p x 30 zoom HFOV : 2,3° - 63,7°
IR Sensor	LWIR 640x480, HFOV : 17,7° or 32,8°		

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