

## SMART MICRO GIMBAL

- Long range observation
- Continuous target observation
- Video and map synchronization
- Hands free target tracking

### Features

- ✓ Lightweight : 1.5kg
- ✓ Diameter : 155mm (6.1 in)
- ✓ Embedded video processing
- ✓ STANAG 4609
- ✓ ITAR-free
- ✓ 3 axis stabilisation system
- ✓ Digital transmission
- ✓ Simultaneous EO/IR



## Typical Integrations



UAVs



UAVs



Boats



Land Vehicles



Robots

## Typical Applications



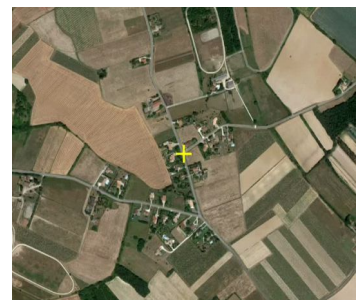
Human EO detection  
D:10km R:2km I:600m



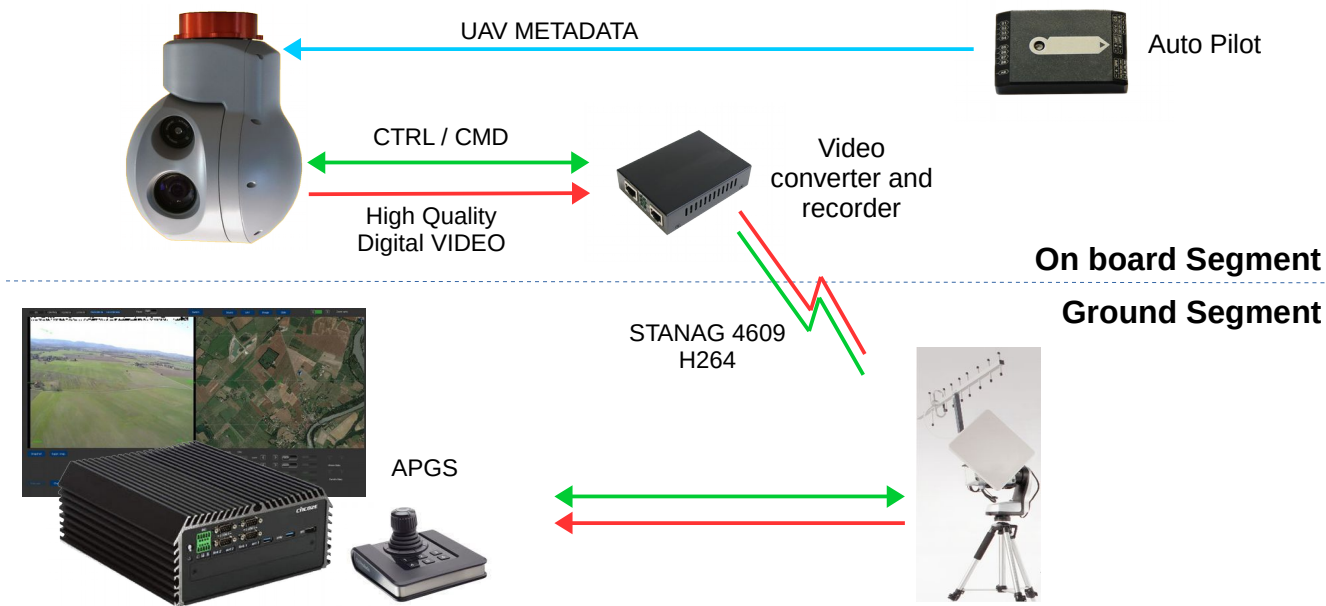
Human IR detection  
D:2km R:600m I:200m



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	1,5 kg (3,3 lbs)
E/O Sensor	CCD progressive scan, HFOV : 1.7°-57.8°
IR Sensor	LWIR 640x480, HFOV : 17,7° or 32,8°

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