

## Features

- 3 axis innovative stabilisation system
- Day and night sensors
- Embedded video processing
- Stabilisation
- De-interlacing
- Super-resolution
- Target detection
- Click & Track
- Metadata insertion

## Highlights

- High resolution : 25  $\mu$ rad
- High bandwidth : 25 Hz
- Lightweight : 1.5kg
- ITAR-free



**ASIO-155** innovative system provides high accuracy designation and very stable video frame for any small & medium sized shaky platforms.

**ASIO-155** can be used in any day / night / weather conditions, thanks to the E/O and IR sensors, coupled with fully integrated advanced video processing.

With efficient stabilisation even at full (36x) zoom, **ASIO-155** allows long range and discrete observation on various theatres of operations.

## Typical Applications



UAVs



Boats



Land Vehicles



**ASIO-155** is a all-in-one product for high quality observation, target detection and tracking.

This product combines the high resolution (25  $\mu$ rad) and high bandwidth (25Hz) mechanical stabilisation with the half-pixel electronic stabilisation (2 axis mechanical, 3d axis electronic) to deliver a fluid motion video and high designation capability even at full zoom. The included video processing performs video quality improvement, target detection and tracking.

## 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 MJPEG over ethernet
Angular Resolution	25 $\mu$ rad
Mechanical bandwidth	25 Hz
Power Requirements	12 - 28 Vdc, 18W (typical)
Dimensions	155 mm diameter
Weight	1,5 kg (3,3 lbs)
E/O Sensor	CCD progressive scan, HFOV : 1.7-57.8°
IR Sensor	LWIR 640x480, HFOV : 32.3°

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