

HLS

CIVIL

Tactical Unmanned Aerial Systems

Specially designed for:

HLS Missions

- Border patrol
- Critical assets monitoring
- Event management
- Law enforcement

Civilian Missions

- Tactical mapping on demand
- Agricultural applications
- Environmental monitoring



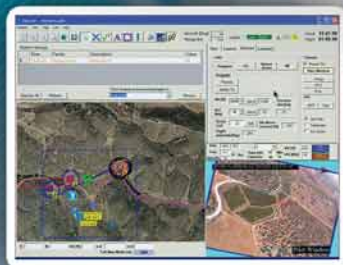
Infrastructure Monitoring



Agriculture Surveying



Mapping



Boomerang

**Long Endurance,
Fuel-Cell powered mini UAV**

The Boomerang is a mini UAV that features exceptional, unprecedented long endurance capability of up to 10 hours, based on the newest generation of Fuel-Cell technology.

The Boomerang practically defines a new niche in the mini UAV market, since such long endurance can only be found in much bigger platforms.

The Boomerang is integrated with Bluebird's combat proven avionics and innovative technology, to provide all weather stealthy and reliable operation.

When carrying Bluebird's photogrammetric payload, the system can automatically generate a high resolution (4 cm/pixel) orthophoto of up to 300 km².

The Boomerang is your perfect solution for long endurance area domination, in any tactical circumstances.



The Boomerang offers:

Long Endurance ISR Solution

The Boomerang Mini-UAV System is optimized to provide stealthy, long endurance real-time visual intelligence to HLS and civil applications.

Rain and High Wind Operation

Unique in its ability to fly in winds of over 40 Knots on cloudy and rainy days, Boomerang assures high operational ability when other systems can neither fly nor see.

Tactical Mapping On Demand (TMOD)

A digital Orthophoto is the necessary foundation for many military and civilian applications, used by government agencies and local municipalities for large scale projects planning and monitoring, environmental management, emergency services, homeland security, and many other applications.

The Boomerang photogrammetric capability is based on its stabilized photogrammetric payload controlled by the autopilot and a post-processing algorithm that automatically stitches the high resolution collected images into a digital orthophoto.

Features

- Long range and endurance
- All weather operation
- Stealthy ISR capabilities
- Digital video link
- Unique mapping capability
- Moving targets tracking

Advantages:

- Combat proven avionics
- Automatic reliable catapult launch
- Automatic parachute and air-bag recovery
- Unified advanced mission oriented ground control station

Specifications:

| | |
|-------------------|-------------------|
| Gross weight | 9.5 Kg (21 pound) |
| Payload (day, IR) | up to 1.3 Kg |
| Endurance | > 9 hours |
| Airspeed | 30 - 60 Knots |
| Operational range | 50 Km |
| Wing Span | 275 cm |
| Wind resistance | 30 Knots |
| Flight Ceiling | 15,000 ft ASL |



Bluebird Aero Systems Ltd.,
Industrial Park, Kadima 60920, POB 5041
Tel: +972-9-8999335 Fax: +972-9-8999345
Info@Bluebird-UAV.com www.Bluebird-UAV.com