

Tactical Unmanned Aerial Systems

Designed for Tactical Forces,
HLS and civil applications

**HLS
&
LAW**

Army

CIVIL



Fits in a personal
Carrying case,
Operational in
10 minutes.



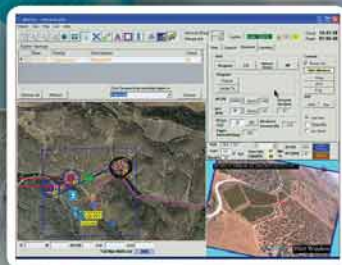
Law Enforcement



Event Management



Urban ISA



MicroB

Tactical Micro UAV System

The MicroB weighs only 1Kg but features exceptional, unprecedented capabilities, considering its small size and affordability.

The MicroB provides mini-UAV capabilities in a much smaller UAV platform, due to its advanced, cutting edge, proprietary stabilized video camera.

The MicroB delivers full autonomous capabilities, all weather stealthy operation, high reliability, long life expectancy and unprecedented ease of use, all in a small and cost effective platform.

The MicroB is autonomously launched even in a crowded urban environment, and provides up to 1 hour of real-time visual intelligence in stringent situations.

The MicroB is your perfect solution for gaining dominant situational awareness in any tactical circumstances.



The MicroB offers:

The MicroB delivers significant and unprecedented features:

- **Stabilized Video Image:** Unique proprietary solution for stabilized video image, using embedded airborne DSP
- **High Resolution Images:** stored on a memory card during the flight, upon operator's command
- **Moving Target Tracking:**
Autonomous camera guide mode
- **Dual-Use Gun-Catapult:** autonomous launch from a hand-held gun catapult
- **Advanced Ground Control System:**
Cutting-edge real-time exploitation system fully compatible with all Bluebird's UAV systems

Operational Flexibility

The MicroB is packed in two carry-on briefcases. One briefcase contains the portable GCU with tripod based communication box and the launcher, The second contains the MicroB UAV platforms, folded and ready to fly. Each briefcase weighs about 7Kg.

MicroB's total assembly time before a mission is only 5 minutes. MicroB achieves operational readiness between flights (including battery change and loading of a new mission) in less than 5 minutes.

Globe-i Unique features:

- Multiple mission capabilities (real-time video, hi-res images, mapping)
- Extremely wide FOV (200 deg.)
- Image stabilization with no moving parts
- Embedded target tracker
- Photogrametric capability



Globe-i Payload sensor array Field of view



Payloads :

- **The MicroCam(D)** : MicroB Miniature Stabilized Camera - Day Ver.
- **The MicroCam(IR)** : MicroB Miniature Stabilized Camera - IR Ver.
- **The Globe-i** : Digitally stabilized, sensor array day camera

Advantages:

Unmatched price tag:

Lower cost platform

Mission effectiveness:

Stabilized video and high resolution images

Field effectiveness:

Can be launched and flown in restricted urban areas

Fast field deployment:

Assembled and ready to operate in less than 5 minutes

High reliability:

The entire avionics on a single board with dual control link

All weather operation:

Operational even in rough weather / rain

Low acoustic & visual signature:

undetectable @ 500ft altitude

Modular design:

Quick change of components / no tools required

Back-packed / hard case transportable:

Easy to carry by one man

Integrated Parachute:

for pin-point accurate recovery and emergency backup

Specifications:

Gross weight	~1 Kg (2.2 pound)
Payload	240 Gr
Airspeed	25 - 45 Knots
Endurance	> 60 Min
Operational range	> 10 Km
Wing Span	95 cm
Small Carry case:	only 70 X 45 X 22 cm



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



Tel: (703) 942-9979

201 12th Street South, Suite 602, Crystal Gateway North,
Arlington, VA 22202. www.atlgroup.com