

INTERNATIONAL
ERMOJER CO.

**PERSONAL RECONNAISSANCE
NANO UAV SYSTEM**



 **CHINA DEFENCE**

PERSONAL RECONNAISSANCE NANO UAV SYSTEM



The military micro drone is comparable to the Black Hornet and can be used for close-in reconnaissance, public domain security surveillance and hazardous chemical warehouses and pipelines. The micro military drone can transmit high-definition or live images at a distance of up to 2km.

The military micro drone is driven by a miniature motor and a high-capacity density lithium battery, and the lithium battery can be replaced at any time to continue flying.

The noise is very low, and four cameras are installed.

It can be said that the whole body is composed of cameras, and all sides can be observed in place.

Equipped with laser sensors on all four sides for detection and obstacle avoidance, the micro military drone can form a swarm of up to 16 drones and be controlled from the ground with the latest tactical command system mounted on a smartphone.

FEATURES:

Extremely covert Nano UAV system

Extremely low visual and audible signatures.

Beyond visual line-of-sight

Expand visual range in complex and urban environments Rapidly engage targets beyond visual line-of-sight, and conduct real-time weapon effectiveness assessment.

Save lives and minimize collateral damage

Detect and identify threats day and night without being detected.

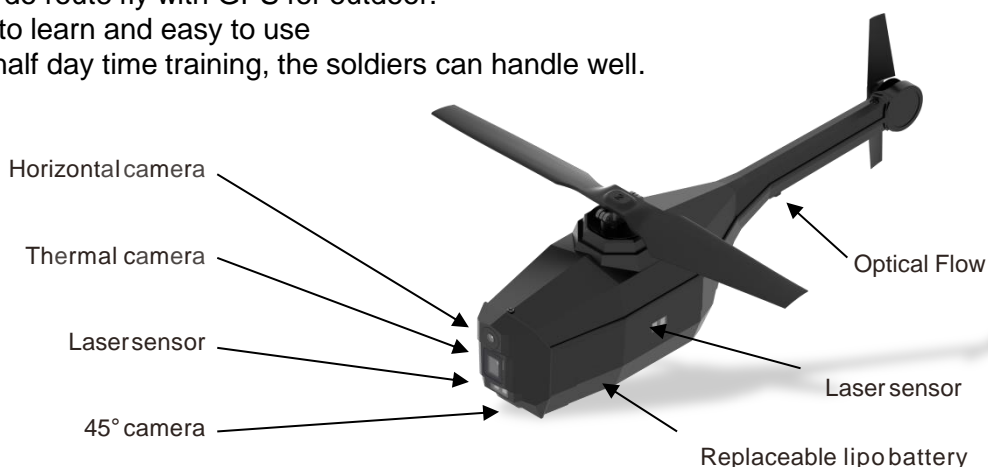
Autonomous indoor outdoor fly

The laser sensors can detect the obstacle and avoid it.

It can do route fly with GPS for outdoor.

Easy to learn and easy to use

With half day time training, the soldiers can handle well.



Military Micro Drone Hummingbird



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Rotor diameter:123 mm (4.8 in)
Length:139 mm (5.4 in)
Weight:< 35grams (1.23 oz)
Endurance: Up to 25 minutes
Max. speed: 6.5 m/sec ground speed
Frequency:400-5000Mhz, Details on request
Radio Range :>2 km (1.24 mi)
Data link: dynamic power, frequency hopping, beyond line-of sight Resolution
Payload: 2 EO Cameras +1 thermal Camera

Horizontal Camera:

Video : 1280x1024@30 fps, 1280x720@30 fps, 640x480@30 fps
Snapshot: 2560x1920

45° Camera:

Video: 1280x1024@30 fps, 1280x720@30 fps, 640x480@30 fps
Snapshot:1600x1200

Thermal camera:

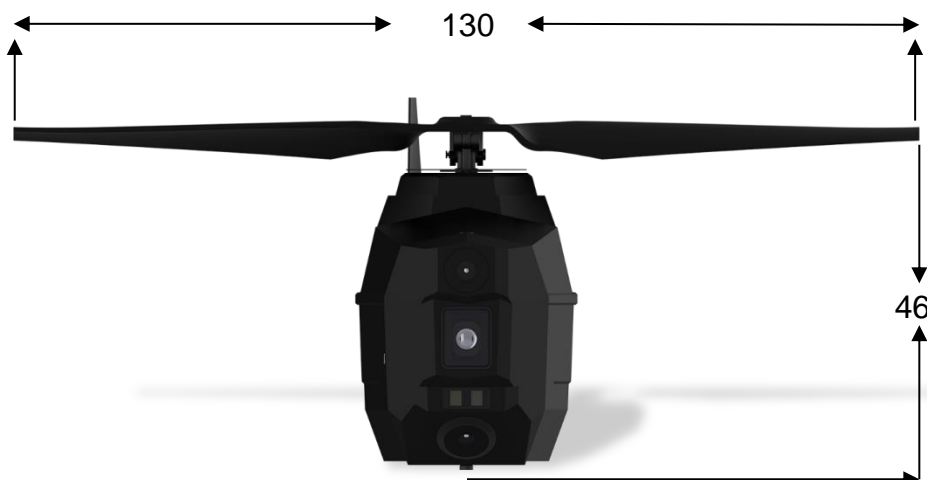
Video: 160x120
Snapshot: 160x120

Flight modes:

Auto and Manual Hover & Stare
Route and user selectable waypoint actions
Automatic return when lost link (Navigation GPS and GPS denied)

Indoor capability:

4 sides laser sensor can detected obstacle and avoiding
Optical flow for precise hovering
Mission Data encrypted: SNOW、AES、ZUC
Launch Time :45-120 Seconds depending on launch mode



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SET INCLUDES

2 x Nano drones,
1 x remote control,
1 x ground station,
4 x batteries,
1 x battery charger,
1 x aircraft storage box
1 x ground station wearing bag



