

HEIGHT
TECHNOLOGIES

G2
TACTICAL DRONE



ENDURANCE

 **80** MIN

RANGE

 **10** KM

WIND LIMIT

 **20** KNOTS

TAKEOFF WEIGHT

 **4** KG

TESTED
★MIL-STD-SPEC★
TESTED

COVERT ALTITUDE

 **150** M

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DEDICATED DRONE SOLUTIONS

HT

MULTI OPTION CONFIGURATION

The G2 is an advanced UAV system that provides real-time day and night video stream via Ground Control Station. Complete autonomous operation with long endurance and low weight make the G2 the best cost-efficient solution. The special frame configuration is ideal for quick deployment & turnaround time as well as for covert surveillance and high payload stability.

COMMON APPLICATIONS

- Homeland security
- Investigation of chemicals
- Border and coastal protection
- ISTAR- Intelligence, Surveillance
- Target acquisition & Reconnaissance
- Biologically or radioactively polluted areas
- Pipeline and power line inspection
- State Border Patrol
- Search and rescue
- Commercial

G2
TACTICAL DRONE



USER FRIENDLY INTERFACE

The ground control station (GCS) is a small-sized, portable unit that enables safe operation and control of the drone. Its user-friendly incorporated interface is used for mission planning, different operational modes, payload control and UAV monitoring.

TOUGH TOUCH SCREEN

The user interface includes real time display and a moving tactical map for complete mission overview. The control console has a built-in ruggedized computer with a touch screen option for maximum operation convenience. The separation between the control unit and the video screen allows free operational movement while offering an option of mounting the unit on a tripod.

G2

GROUND CONTROL STATION



POSSIBLE PAYLOAD OPTIONS - OTHER ON REQUEST

NIGHTHAWK 2



WEIGHT: 250 GR
OPTICAL ZOOM: X20
DAY/NIGHT VISION

NIGHTHAWK



WEIGHT: 220 GR
OPTICAL ZOOM: X6.6
DAY/NIGHT VISION

COLIBRI 2



WEIGHT: 180 GR
OPTICAL ZOOM: X20
DAY/NIGHT VISION

COLIBRI



WEIGHT: 160 GR
OPTICAL ZOOM: X6.6A
DAY/NIGHT VISION

WIRIS SECURITY



WEIGHT: 1240 GR
OPTICAL ZOOM: X30
FULL HD THERMOGRAM

WIRIS PRO



WEIGHT: 910 GR
OPTICAL ZOOM: X10
FULL HD THERMOGRAM

WIRIS AGRO



WEIGHT: 890GR
OPTICAL ZOOM: X10
LWIR BAND SENSOR

GIS 320



WEIGHT: 2900 GR
OPTICAL ZOOM: X8
GAS IMAGING SYSTEM

LS NANO VUX



WEIGHT: 2950 GR
SCAN RATE: 1-100 HZ
OPERATING RANGE: 250 M

LS NANO V16



WEIGHT: 2300 GR
SCAN RATE: 1-20 HZ
OPERATING RANGE: 100 M

LS NANO M8



WEIGHT: 1950 GR
SCAN RATE: 10-20 HZ
OPERATING RANGE: 100 M

MISSION PROOF EQUIPMENT

Unmanned aerial platforms provide military users with unmatched strategic advantages. Height Technologies offers a range of quadcopters, designed especially for ISTAR missions. Thanks to the capability of flying at low altitudes, thus enabling under-the-radar flight, and a minimal sound and visual signature construction, covert operation is made possible. These small, quiet, easy to operate tactical UAV systems carry high quality day and night payloads with real-time communication and video links.

RAPID DEPLOYMENT

Rapid deployment is another aspect with high importance while performing ISTAR missions; these innovative systems are built to enable minimal turnaround time and immediate portability. The quadcopters can be assembled in less than five minutes, swapping batteries and sensors is a 'plug-n-play' procedure that can be performed by one person with no needs of complex training. All these combined with VTOL (Vertical Take-Off and Landing) and up to 80 minutes of endurance, are made to support the operational concept of independent intelligence gathering by a platoon in combat.

REAL TIME INFORMATION

The delivery of target status analysis and geographic data directly to a small tactical unit or individual soldier is priceless. Information gathering is made accessible, easy and not life threatening as it was before. Making use of these quadcopters saves lives while obtaining a significant advantage during wartime. The system is operated from a unified GCS (Ground Control Station) which presents all gathered information in one coherent, user-friendly application.

RUGGED CONTROL STATION

The GCS is based on a ruggedized laptop that can be used in harsh environmental conditions that can be encountered in a war zone. Some of the missions' advantages include enabling around-the-corner insights in real-time; which allows warning the team in advance for enemies and potential threats. This type of information ensures safer movement in urban, rural and different terrains. Therefore making troops proactive based on field intelligence. Obtaining critical information reduces the risks for soldiers and civilian population by pin-pointing military



SPECIFICATIONS

GENERAL FEATURES

Simple, compact, lightweight & modular design
Ruggedized, dust and rain proof
1 man required for rapid deployment and operation
Designed for ISTAR missions

SYSTEM COMPONENTS

MIL-SPEC-STD G2 quadcopter
Your selected payload option(s)
10" ruggedized Panasonic touch screen computer
MIL-SPEC-STD operation console for full control
1 rechargeable battery
1 charger kit

Transporation

Endurance

Range

Take Off Weight

Dimensions

Wind Limit

Typical Operating Altitude

Operating Temperature

Battery

Battery Charger

Propulsion System

Communication

Payload

Sensor Stabilization

Technical Literature

Warranty

1 PELI transport case

Up to 80 minutes real flight time incl. payload (Colibri)

5 km, (more on request)

4 kg

60 cm x 60 cm x 40 cm

20 knots / 37 Km/h

100 ft. -1000 ft. / 30 m -300 m AGL

-10 C to +50 C / -50 F to +122 F

LiPo, 24V

Option by Car and std. socket 220V/110V

4 brushless motors and propellers

Data uplink, telemetry and video downlink

Dual day & night. Real time high quality video

2 axis mechanical gimbal

Operational manual

Optional training package*

12 month for manufacture malfunction.

*Does not include: operator mistake, faulty maintains, deviation from manuals and training instructions.

