



## Ghost Dragon

Small units tactical UAV with dual camera and on-board machine vision module.

## How it works

Our drone is specifically designed to have higher resistance against jamming and spoofing.

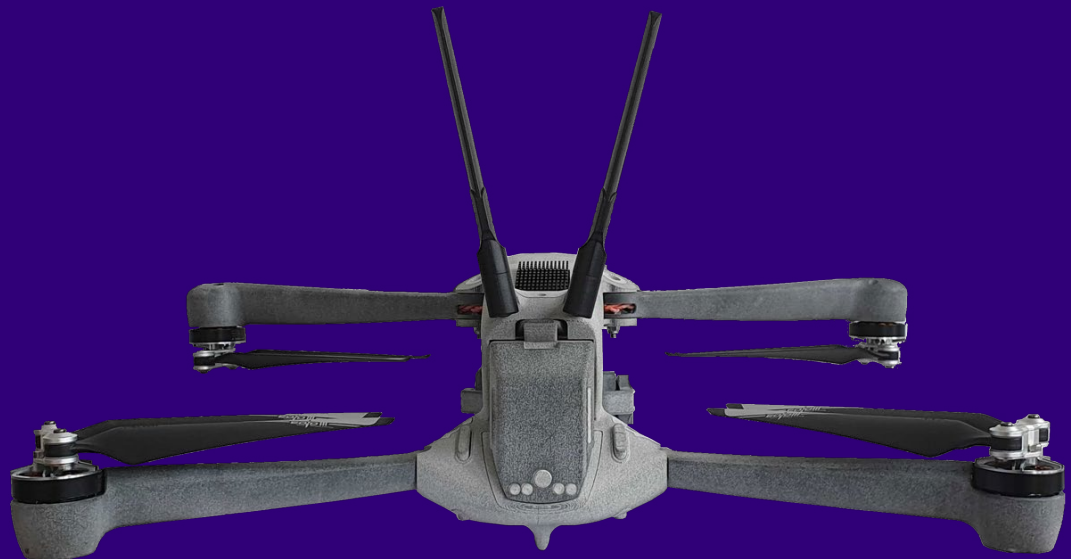
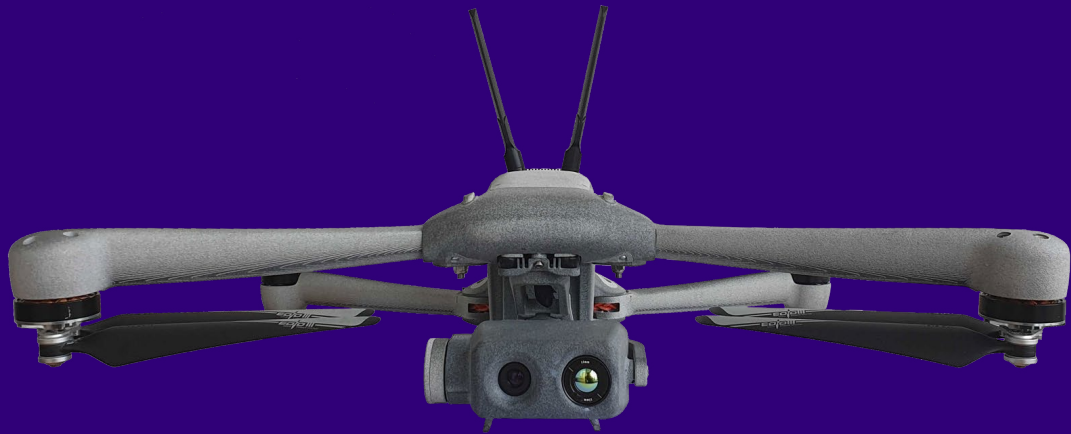
### THE COUNTERMEASURES WE USE:

1. We use wide range (1.6-2.5Ghz) frequency hopping radio to provide jamming resistant video and telemetry link. This makes it much harder to detect the drone and to interfere it's mission.
2. We use dual band GNSS module: L1 and L2 band.

The drone can operate in radio silence or stream constant video back to the Ground Control Station. In radio silence mode the drone goes on air once it has detected objects of interest (humans, cars, trucks, armoured vehicles, tanks, roadblocks, tents etc).

The drone can be redirected to another area, given a new assignment, flown back to base or handed over to another operator with another Ground Control Station at any time





## Specs

**Size:** flight 460 x 360 mm (18 x 14"), transport 300 x 150 mm (12 x 6")

**Flight time:** 40 min

**Endurance:** 20 km (12.5 mi)

**Dual radio:** either 6 frequency band radio or dual 2.4Ghz point to point and parallel GSM radio.

**GNSS:** dual band (L1 & L5) GPS, Galileo, BeiDou and GLONASS

**On board machine vision computer** with quad-core

1 GHz Arm processor

**Thermal camera:** 640 x 480 px or 360 x 280 px; 50 fps LWIR

**Visual light camera:** 1/2.5" 5MP 30 fps low light RGB sensor with 4.4X optical and 12X Digital zoom

Unlike commercial drones, we know where on the map the camera is looking at. The video and target location information streamed to the pilot are georeferenced.

**Wind resistance:** 11 m/s (25 mph): Force 5

**Temperature proof:** -20 °C... +45 °C (-4 °F... +113 °F)

**Water proofing:** IP53

**Battery:** 4S 140Wh Lilon

### OPTIONAL FEATURES:

**Precision landing** with  $\pm 12$  cm ( $\pm 4.7$ ") accuracy

GNSS-loss recovery flight mode

Integration with ATAK

RTK gnss (GPS and Galileo)

Compatible with KrattWorks drone nest solution

Machine vision module on-board

### AVAILABLE RADIO CONFIGURATIONS:

2.4 Ghz p2p & 4G/LTE GSM

6-band hopping frequency radio (1.6-2.5 Ghz)