



# Long-Range Surveillance and Reconnaissance Drone Specifications

## Aircraft Dimensions

Wingspan .....	<b>3.50m</b>
Length .....	<b>1.86m</b>
Height .....	<b>0.60m</b>

## System Specifications

MTOW .....	<b>22.0 kg</b>
Maximum Payload Weight .....	<b>1.50 kg</b>
Maximum Flight Endurance .....	<b>2 hours</b>
Service Ceiling (Density Alt.) .....	<b>10,000ft ASL</b>

## Operating Environment

Maximum Wind Speed .....	<b>10m/s (20kt)</b>
Minimum Operating Temperature .....	<b>-15°C (59°F)</b>
Maximum Operating Temperature .....	<b>40°C (100°F)</b>

## Flight Characteristics

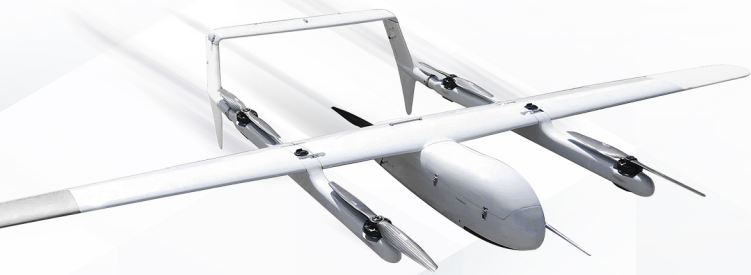
Cruise Airspeed .....	<b>22 m/s (42 kt)</b>
Maximum Airspeed .....	<b>30 m/s (58 kt)</b>
Stall Speed .....	<b>15 m/s (29 kt)</b>
Takeoff / Landing Method .....	<b>VTOL (4+1 configuration)</b>
Maximum Operational Range .....	<b>130 km</b>
Maximum Radio Comms Range .....	Up to <b>20 km</b> with point to point .....

Dependent on C2 and video link.  
Configurable with various Point to Point or cellular options for expandable service range.

## About

The **Long-Range Surveillance and Reconnaissance Drone** is a versatile, vertical take-off and landing (VTOL) multirotor unmanned aerial vehicle (UAV) designed for ease of use and long flight times. The quick-assembly design, allows for rapid set up and launch. Made from composite materials, the frame is light and tough, and can withstand high winds, making it possible to perform aerial tasks in various complex situations.

The **Long-Range Surveillance and Reconnaissance Drone** supports automated missions as well as semi-automated flight operations and is compatible with a wide variety of payloads. This ready-to-fly solution is ideal for agricultural monitoring and research, border control and surveillance, mapping, surveying, environmental monitoring, and search and rescue.



\*Specifications are approximate and may vary