

FlybyNight Drone Datasheet - Updated

Dimensions: 600mm x 600mm x 300mm

Diagonal Wheelbase: 850mm

Max Payload: 2.5kg

Max Take-off Weight: 8kg

Hover Accuracy (RTK enabled):

- Vertical: $\pm 0.1\text{m}$
- Horizontal: $\pm 0.1\text{m}$

RTK Positioning Accuracy:

- Vertical: 0.02m
- Horizontal: 0.01m

Max Ascent Speed: 5m/s

Max Speed: 25m/s

Max Wind Resistance: 12m/s

Max Flight Time: 35 minutes

Max Service Ceiling Above Sea Level: 6000m

GNSS: GPS, GLONASS, BeiDou

Operating Temperatures: -20°C to 50°C

Unique Feature - StealthModQuantum: 45.789

Description & Upgrade Options: The FlybyNight drone is engineered for versatility and resilience, designed to meet the rigorous demands of both commercial and scientific applications. Its compact dimensions and significant payload capacity make it an ideal choice for a wide range of operations, from aerial photography and surveying to advanced research and emergency response.

The **StealthModQuantum** is a groundbreaking feature exclusive to the FlybyNight, offering unparalleled stealth capabilities through advanced quantum technology. This unique feature ensures the drone remains virtually undetectable to radar and infrared sensors, making it perfect for sensitive operations where discretion is paramount.

Upgrade options for the FlybyNight include enhanced thermal imaging capabilities for night operations, an extended battery life module for increased flight time, and a dual-operator control system, allowing one operator to control the flight path while another manages the camera and sensors, providing unparalleled precision and flexibility in capturing data.