



Ilar (Eye-lar)

PRODUCT SPECIFICATIONS



Physical

Weight (with battery): 2800 grams
Size (LxWxH): 395mm x 446mm x 160mm
Size (Tip to Tip): 650mm x 700mm x 160mm
Temp. Range: (32 - 100°F) (0 - 38°C)

Propellers: 13"
Weather Tolerance: TBD
Wind Resistance: 25mph
Setup Time: (already assembled)

Electrical

Power Supply: Lithium Ion Battery (Li-ion)
Battery Capacity: 189 Watt hours, 9 Amp Hours

Recharge: Replaceable battery
Charging Time: Varies

Communications

Control Link Range: up to 80km
Compatible Ground Station: Maestro
Flight Log Storage: Onboard

Method: Doodle Labs Radio
Remote ID: Yes
Encryption: AES 256

Network Accessible Data

Standard Payload: Camera
Payload Capacity: 400 grams
Navigation System: multi-layered GPS
Flight Modes: Manual, Assisted, Autonomous

AI Features: Coming Soon!
Gimbal Stabilization: Coming Soon!
NDAA Section 848: Compliant
Mission Controller: Maestro

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Disclaimer: All specifications are subject to change. The information in this document describes general capabilities of complex machines and may vary depending on use case. This information does not contain controlled technical data as defined within the International Traffic in Arms Regulations (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-11. The specifications provided assume standard temperature and pressure, at sea level.