

Avy Aera



Aircraft

Name Avy Aera
Type Electric VTOL

Payload

Payload capacity 3 kg
Payload volume 8 L — $\pm 300 \times 200 \times 150$ mm (L x W x H)
Available payloads AirCare Temperature-controlled medical payload
AirAware First response camera payload (NextVision Nighthawk 2)

Flight performance

	Empty	First response payload	Maximum payload
Range	100 km	90 km	85 km
Flight time	75 min	70 min	60 min

Cruise speed 90 km/h

Characteristics

Dimensions 1500 x 2400 x 300 mm (L x W x H)
MTOW 19.5 kg
Power & propulsion 1 kWh battery
Quad motor VTOL — single pusher motor
Charging & stand-by QuickRelease magnetic connector for instant deployment

Operating conditions

Wind resistance 12.5 m/s (25 kts)
Rain resistance 3 mm/h
Temperature 0 — 40 °C

Safety & communication

Command & control Dual LTE
Iridium Satcom (optional)
Transponder ADS-B In & Out, FLARM, eID
Positioning Dual GNSS + RTK, triple IMU
Airspeed sensing Dual heated pitot tubes with software failsafes
Safety features QuadChute, Return-to-land, rally points, low battery failsafe