ROBUST MULTI-PURPOSE UAV

AtlasPRO

DUAL PAYLOAD. 38 MINUTES. IP54 CERTIFIED.

A multi-purpose UAV that carries 350 g of EO, IR or combined payload for up to 38 minutes and 10 km from the operator.

Optical flow dead reckoning holds position without GNSS, a ToF LIDAR rangefinder and 20 m obstacle sensing keep it clear of the ground and the scenery, and an IP54-certified airframe takes it out in weather that grounds lighter aircraft.

VIEW PRODUCT PAGE

1990 g	350 g	Up to 38 min	10 km	15.5 m/s
Max take-off weight	Max payload	Flight time	Flight distance	Wind resistance

PAYLOADS

EO, IR or both at once

KALOS 120 and ARGUS M20 for daylight, VISOR NX and VISOR FF for thermal, or AtlasORTUS to carry both on one airframe — up to 350 g.

ENDURANCE

38 minutes, 10 km out

Up to 38 minutes on one 121 Wh pack, 10 km of flight distance and a 3500 m service ceiling, holding station in wind to 15.5 m/s.

NAVIGATION

Holds position without GNSS

GPS, GLONASS and Galileo with optical flow dead reckoning when they drop out, plus a ToF LIDAR rangefinder and 20 m obstacle sensing.

BUILT FOR WORK

Certified to IP54

An IP54-certified airframe tested to IEC 60529, working from −20 °C to +55 °C and running at 56 dB(A) at 15 m.

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Robust multi-purpose UAV

PHYSICAL

Dimensions, folded (w × d × h)	417 × 323.5 × 115.5 mm
Dimensions, unfolded (w × d × h)	445 × 557.5 × 185.5 mm
Weight, bare	1050 g
Weight, with battery	1640 g
Max take-off weight	1990 g
Max payload	350 g
Ingress protection	IP54 Certified (IEC 60529)

OPERATIONAL ENVIRONMENT

Operating temperature	−20 °C to +55 °C (−30 °C to +50 °C optional)
Storage temperature	−20 °C to 45 °C up to 3 months

NAVIGATION AND SENSING

GNSS	GPS + GLONASS + Galileo
No-GNSS positioning	Optical flow dead reckoning
Hovering accuracy (GNSS)	0.5 – 2.5 m
Downward rangefinder	ToF LIDAR
Rangefinder field of view	±1.7° conical beam
Obstacle sensing range	20 m

COMMUNICATIONS

Standard (civilian) frequency	2.4 – 2.4835 GHz
Full extended frequency	2.2 – 2.7 GHz
RF output power	30 dBm
Antenna gain	3 dBi

PAYLOADS

Payloads, EO (RGB)	KALOS 120, ARGUS M20
Payloads, IR	VISOR NX, VISOR FF
Payloads, dual	AtlasORTUS

FLIGHT PERFORMANCE

Flight time	Up to 38 min
Flight distance	Up to 10 km
Max control speed	56 km/h
Max speed, with payload	Standard props 56 km/h, quiet 46 km/h
Max ascent speed	5 m/s
Max descent speed	Variable, 1.5 – 3.5 m/s
Max tilt angle	45°
Wind speed resistance	15.5 m/s (55.8 km/h)
Max service ceiling (AMSL)	3500 m
Noise	56 dB(A) at 15 m
Propellers	Standard quiet props, 33.2 cm, 15.8 g

BATTERY AND POWER

Capacity	8000 mAh
Nominal voltage	15.2 V
Max charging voltage	17.4 V
Battery type	LiPo 4S
Energy	121 Wh (99 Wh in storage mode)
Battery weight	590 g
Charging temperature	−20 °C to +55 °C (−30 °C to +50 °C optional)
Charging temperature, heated	−20 °C to 40 °C
Max charging power	99.18 W
Heating power	50 W
Heating time	15 min at −20 °C, 5 min at 0 °C
Battery certification	UN38.3, UL1642, PI965, PI966

See AtlasPRO fly

Book a live demonstration or talk to our team about pricing and availability.

ATLASUAS.COM/ATLAS/CONTACT