

AtlasPRO

Robust Multi-Purpose UAV



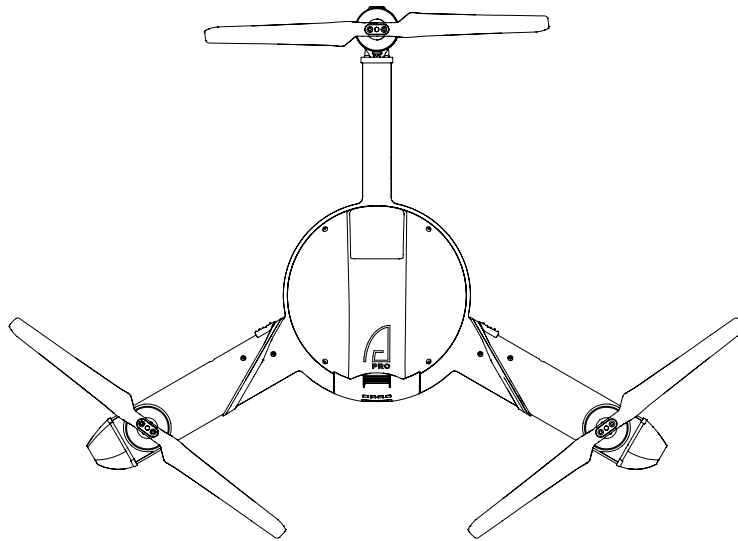
reddot design award
winner 2018



SPECIFICATIONS

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AtlasPRO Robust Multi-Purpose UAV

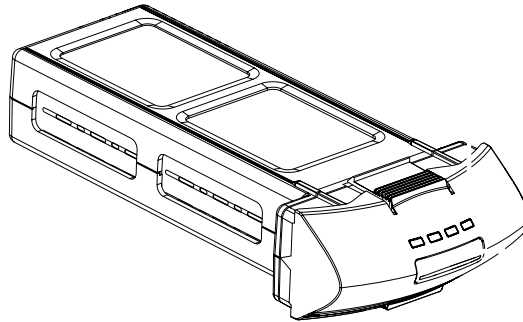


Aircraft Dimensions (excluding propellers):	Folded: 16.4" x 12.7" x 4.55" Unfolded: 17.5" x 22" x 7.3"
Weight (excluding battery and payload):	2.31 lbs
Weight (with battery, excluding payload):	3.5 lbs
Max Takeoff Weight:	4.18 lbs
Max Payload:	0.7 lbs
Operating Temperature Range (optional):	-4°F to 131°F (-22°F to 122°F)
Storage Temperature Range:	-4°F to 113°F up to 3 months 77 +/-5°F more than 3 months
Ingress Protection Rating:	IP44 certified
Operating Frequency:	2.4 - 2.4835 GHz 2.2 - 2.7 GHz
RF Output Power:	30 dBm
Antenna Gain:	3 dBi
GNSS:	GPS + GLONASS + Galileo
Hovering Accuracy (GPS mode):	1.65 ft - 8.2 ft
Downward Facing Rangefinder:	ToF LIDAR
Field of View:	+/- 1.7 degree conical beam
Obstacle Sensing Range:	65.6 ft)
Noise Level:	56 dBA at 49.2 ft
Max Tilt Angle:	45 degrees
Max Ascent Speed :	16.4 ft/s
Max Descent Speed:	Variable, 5 - 11.5 ft/s
Max Control Speed:	34.8 mph
Max Speed (with payload):	Standard props: 34.8 mph Quiet props: 27.3 mph
Max Wind Resistance:	51 ft/s (34.8 mph)
Max Flight Time (with payload):	32 min
Max Flight Distance:	10mi
Max Service Ceiling Above Sea Level:	9800 ft
Propeller Model:	Standard props: Length: 12" x 5.5" Weight: 0.43 oz Quiet props: Length: 13" x 4" Weight: 0.56 oz
Supported Payloads:	EO (RGB): KALOS 120, ARGUS M20 IR: VISOR NX, VISOR FF

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Battery

Capacity:	6500 mAh
Nominal Voltage:	15.2 V
Max Charging Voltage:	17.4 V
Battery Type:	LiPo 4S
Energy:	99 Wh
Net weight:	535 g / 1.18 lbs
Charging Temperature Range (optional):	-4°F to 131°F (-22°F to 122°F)
Storage Temperature Range:	-4°F to 113°F up to 3 months 77 +/-5°F more than 3 months
Charging Temperature Range (using heater):	-4°F to +104°F
Max Charging Power:	99.18 W
Heating Time:	15 minutes at -4°F 10 minutes at 14°F 5 minutes at 32°F
Heating Power:	50W
Certification:	<ul style="list-style-type: none">• UN38.3• UL1642• PI965• PI966

All product specifications are subject to change without notice