

# AtlasPRO

Robust Multi-Purpose UAV



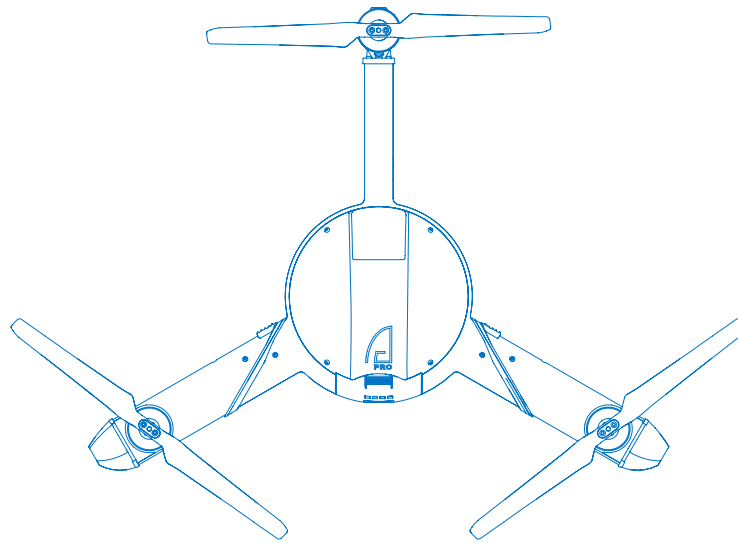
reddot design award  
winner 2018



# SPECIFICATIONS

[www.atlasuas.com](http://www.atlasuas.com)

## AtlasPRO Robust Multi-Purpose UAV

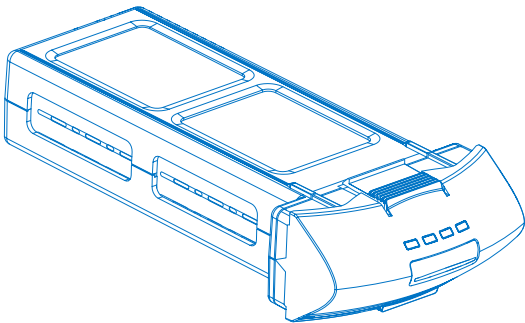


|                                                    |                                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aircraft Dimensions (excluding propellers):</b> | Folded: 417 x 323.5 x 115.5 mm / Folded: 16.4" x 12.7" x 4.55"<br>Unfolded: 445 x 557.5 x 185.5 mm / Unfolded: 17.5" x 22" x 7.3"               |
| <b>Weight (excluding battery and payload):</b>     | 1050 g / 2.31 lbs                                                                                                                               |
| <b>Weight (with battery, excluding payload):</b>   | 1640 g / 3.61 lbs                                                                                                                               |
| <b>Max Takeoff Weight:</b>                         | 1990 g / 4.39 lbs                                                                                                                               |
| <b>Max Payload:</b>                                | 350 g / 0.77 lbs                                                                                                                                |
| <b>Operating Temperature Range (optional):</b>     | -20°C to +55°C (-30°C +50°C) / -4°F to 131°F (-22°F to 122°F)                                                                                   |
| <b>Storage Temperature Range:</b>                  | -20°C to 45°C up to 3 months / -4°F to 113°F up to 3 months<br>25 +/-3°C more than 3 months / 77 +/-5°F more than 3 months                      |
| <b>Ingress Protection Rating:</b>                  | IP44 certified                                                                                                                                  |
| <b>Operating Frequency:</b>                        | 2.4 - 2.4835 GHz<br>2.2 - 2.7 GHz                                                                                                               |
| <b>RF Output Power:</b>                            | 30 dBm                                                                                                                                          |
| <b>Antenna Gain:</b>                               | 3 dBi                                                                                                                                           |
| <b>GNSS:</b>                                       | GPS + GLONASS + Galileo                                                                                                                         |
| <b>Hovering Accuracy (GPS mode):</b>               | 0.5 m - 2.5 m / 1.65 ft - 8.2 ft                                                                                                                |
| <b>Downward Facing Rangefinder:</b>                | ToF LIDAR                                                                                                                                       |
| <b>Field of View:</b>                              | +/- 1.7 degree conical beam                                                                                                                     |
| <b>Obstacle Sensing Range:</b>                     | (20 m) / (65.6 ft)                                                                                                                              |
| <b>Noise Level:</b>                                | 56 dBA at 15 m / 56 dBA at 49.2 ft                                                                                                              |
| <b>Max Tilt Angle:</b>                             | 45 degrees                                                                                                                                      |
| <b>Max Ascent Speed:</b>                           | 5 m/s / 16.4 ft/s                                                                                                                               |
| <b>Max Descent Speed:</b>                          | Variable, 1.5 - 3.5 m/s / Variable, 5 - 11.5 ft/s                                                                                               |
| <b>Max Control Speed:</b>                          | 56 km/h / 34.8 mph                                                                                                                              |
| <b>Max Speed (with payload):</b>                   | Standard props: 56 km/h / 34.8 mph<br>Quiet props: 46 km/h / 27.3 mph                                                                           |
| <b>Max Wind Resistance:</b>                        | 15.5 m/s (56 km/h) / 51 ft/s (34.8 mph)                                                                                                         |
| <b>Max Flight Time (with payload):</b>             | 37 min                                                                                                                                          |
| <b>Max Flight Distance:</b>                        | 20 km / 12.4mi                                                                                                                                  |
| <b>Max Service Ceiling Above Sea Level:</b>        | 3000 m / 9800 ft                                                                                                                                |
| <b>Propeller Model:</b>                            | Standart quiet props:<br>Length: 33.2 cm. Weight: 15.8 g / 13" x 4" Weight: 0.56 oz<br>EO (RGB): KALOS 120, ARGUS M20<br>IR: VISOR NX, VISOR FF |
| <b>Supported Payloads:</b>                         |                                                                                                                                                 |

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## " U M B T Battery 50W

|                                            |                                                                                                                              |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Capacity:                                  | 8000 mAh                                                                                                                     |
| Nominal Voltage:                           | 15.2 V                                                                                                                       |
| Max Charging Voltage:                      | 17.4 V                                                                                                                       |
| Battery Type:                              | LiPo 4S                                                                                                                      |
| Energy:                                    | 121Wh (optional storage mode to limit capacity to 99 Wh)                                                                     |
| Net weight:                                | 590 g / 1.30 lbs                                                                                                             |
| Charging Temperature Range (optional):     | -20°C to +55°C (-30°C +50°C) / -4°F to 131°F (-22°F to 122°F)                                                                |
| Storage Temperature Range:                 | -20°C to 45°C up to 3 months / -4°F to 113°F up to 3 months<br>25 +/-3°C more than 3 months / 77 +/-5°F more than 3 months   |
| Charging Temperature Range (using heater): | -20°C to 40°C / -4°F to +104°F                                                                                               |
| Max Charging Power:                        | 99.18 W                                                                                                                      |
| Heating Time:                              | 15 minutes at -20°C / 15 minutes at -4°F<br>10 minutes at -10°C / 10 minutes at 14°F<br>5 minutes at 0°C / 5 minutes at 32°F |
| Heating Power:                             | 50W                                                                                                                          |
| Certification:                             | UN38.3<br>UL1642<br>PI965<br>PI966                                                                                           |

All product specifications are subject to change without prior notice