

LA500

DATASHEET

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| USAGE | Projects | Mapping |
| | Applications | Land surveying, GIS, mining, construction, others |
| AIRCRAFT | Wingspan (fixed wing) | 116cm (incl. detachable winglets) |
| | Weight (incl. camera & battery) | Up to 1250grams (with Sony α6000 camera) |
| | Material | EPP foam, carbon fiber and aluminium |
| | Propulsion | Electric pusher propeller, brushless motor |
| | Battery | 11.1V, 2500 to 4000mAh |
| | Data modem Range | Up to 3km • 1.9 miles |
| | Data modem Frequency | 2.4Ghz |
| | Detachables Winglets | Yes |
| | Outputs & Storage | USB 2.0, WiFi, micro-SD |
| | OPERATIONS | Maximum flight time |
| Range | | Up to 25km • 15.5 miles |
| Cruise Speed | | 20-80km/h • 12.5-50mph |
| Wind resistance | | 20kt • 37km/h • 23mph |
| Operating Temperature | | From -25 to +60°C • From -13 to +140°F |
| Humidity | | Up to 90% noncondensing |
| Precipitation | | No rain, no snow |
| Maximum Ceiling | | 3,500m ASL (11,480ft ASL) |
| Automatic take off, flight and landing | | Yes, with circular or straight in landing |
| Linear landing accuracy | | Approx. 10m • 33ft |
| Pre-flight setup time | | 5 minutes |
| Take off type | | Hand launch |
| Landing type | | Belly landing |
| Real Time Trajectory Control at Landing | | Yes, through the Data Modem box |
| PAYLOAD | Maximum Payload capability | 250grams • Up to 400grams (with optional wing) |
| | Camera (included) | - |
| | Camera (optional, not included) | GoPro, Sony α6000 (24.3MP APS-C), Flir View Pro |
| | Oblique imagery | Yes (with optional mount for GoPro only) |
| MAPPING | Ground Sampling Distance (GSD) | Down to 1.5cm (0.6in) per pixel * |
| | Maximum coverage (single flight) | 10km ² • 3.9mi ² • 1000ha (at 1,000m/3,280ft AGL) |
| | Absolute horizontal/vertical accuracy (w/GCPs) | Down to 3cm (1.2in) / 5cm (2in) * |
| | Absolute horizontal/vertical accuracy (no GCPs) | 1-5m (3.3-16.4ft) * |
| | Ground control points (GCPs) required | Optional for a better precision |
| SOFTWARE | Flight planning & control (supplied) | OperationCenter v2 (Windows 10 touchscreen device) |
| | Image processing (optional) | Agisoft or Pix4D native files |
| WARRANTY | Manufacturer Warranty | 1 year ** |
| IN THE BOX | 1 Autopilot box, 1 Wing (with 2 Winglets), 1 USB radio data modem, 1 USB cable, 1 Charger 2 Batteries 2500mAh, 1 Camera mount, 1 Set of accessories (screwdrivers, spare propeller, scotch, etc...) | |

* Depends upon environmental conditions (light, wind, surface type, use of GCPs).

** Coverage is subject to conditions and limitations