

L-A SERIES		LA500	LA500-RTK
USAGE	Projects	Mapping	High Precision Mapping
	Applications	Land surveying, GIS, mining, construction, agriculture, others	Land surveying, GIS, mining, construction, agriculture, others
AIRCRAFT	Wingspan (fixed wing)	116cm (incl. detachable winglets)	116cm (incl. detachable winglets)
	Weight (incl. camera & battery)	Up to 1500grams (with Sony α5100 camera)	Up to 1500grams (with Sony α5100 camera)
	Material	EPP foam, carbon fiber and aluminium	EPP foam, carbon fiber and aluminium
	Propulsion	Electric pusher propeller, brushless motor	Electric pusher propeller, brushless motor
	Battery	11.1V, 3000 to 4000mAh	11.1V, 3000 to 4000mAh
	Data modem Range	Up to 3km • 1.9 miles	Up to 3km • 1.9 miles
	Data modem Frequency	2.4Ghz	2.4Ghz
	Detachable Winglets	Yes	Yes
	Outputs & Storage	USB-C, WiFi, micro-SD	USB-C, WiFi, micro-SD
	OPERATIONS	Maximum flight time	30min (3000mAh) • 45min (4000mAh)
Range		Up to 25km • 15.5 miles	Up to 25km • 15.5 miles
Cruise Speed		20-80km/h • 12.5-50mph	20-80km/h • 12.5-50mph
Wind resistance		25kt • 45km/h • 28mph	25kt • 45km/h • 28mph
Operating Temperature		From -25 to +60°C • From -13 to +140°F	From -25 to +60°C • From -13 to +140°F
Humidity		Up to 90% noncondensing	Up to 90% noncondensing
Precipitation		No rain, no snow	No rain, no snow
Maximum Ceiling		3,500m ASL (11,480ft ASL)	3,500m ASL (11,480ft ASL)
Automatic take off, flight and landing		Yes, with circular or straight in landing	Yes, with circular or straight in landing
Linear landing accuracy		Approx. 10m • 33ft	Approx. 10m • 33ft
Pre-flight setup time		5 minutes	5 minutes
Take off type		Hand launch	Hand launch
Landing type		Belly landing	Belly landing
Real Time Trajectory Control at Landing		Yes, through the Data Modem box	Yes, through the Data Modem box
PAYLOAD		Maximum Payload capability	250grams • Up to 400grams (with endurance limitation)
	Camera (included)	-	-
	Camera (optional, not included)	GoPro, Sony α5100 (24.3MP APS-C), Flir View Pro, Sequoia, RedEdge, Sentera	GoPro, Sony α5100 (24.3MP APS-C), Flir View Pro, Sequoia, RedEdge, Sentera
	Oblique imagery	Yes (with optional mount for GoPro only)	Yes (with optional mount for GoPro only)
MAPPING	Ground Sampling Distance (GSD)	Down to 1.5cm (0.6in) per pixel *	Down to 1.0cm (0.4in) per pixel *
	Maximum coverage (single flight)	10km ² • 3.9mi ² • 1000ha (at 1,000m/3,280ft AGL)	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) *	Down to 3cm (1.2in) / 5cm (2in) *
	Ground control points (GCPs) required	Optional for a better precision	No
SOFTWARE	Flight planning & control (supplied)	OperationCenter v2 (Windows 10 device)	OperationCenter v2 (Windows 10 device)
	Image processing (optional)	Agisoft or Pix4D native files	Agisoft or Pix4D native files
WARRANTY	Manufacturer Warranty	1 year **	1 year **

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

** Coverage is subject to conditions and limitations