

<b>L-A SERIES</b>		<b>LA500</b>	<b>LA500-RTK</b>	<b>LA500-AG</b>
<b>USAGE</b>	Projects	Mapping	High Precision Mapping	Mapping
	Applications	Land surveying, GIS, mining, construction, others	Land surveying, mining	Agriculture
<b>AIRCRAFT</b>	Wingspan (fixed wing)	116cm (incl. detachable winglets)	116cm (incl. detachable winglets)	116cm (incl. detachable winglets)
	Weight (incl. camera & battery)	Up to 1250grams (with Sony α6000 camera)	Up to 1250grams (with Sony α6000 camera)	Up to 1250grams (with Sony α6000 camera)
	Material	EPP foam, carbon fiber and aluminium	EPP foam, carbon fiber and aluminium	EPP foam, carbon fiber and aluminium
	Propulsion	Electric pusher propeller, brushless motor	Electric pusher propeller, brushless motor	Electric pusher propeller, brushless motor
	Battery	11.1V, 2500 to 4000mAh	11.1V, 2500 to 4000mAh	11.1V, 2500 to 4000mAh
	Data modem Range	Up to 3km • 1.9 miles	Up to 3km • 1.9 miles	Up to 3km • 1.9 miles
	Data modem Frequency	2.4Ghz	2.4Ghz	2.4Ghz
	Detachable Winglets	Yes	Yes	Yes
	Outputs & Storage	USB 2.0, WiFi, micro-SD	USB 2.0, WiFi, micro-SD	USB 2.0, WiFi, micro-SD
<b>OPERATIONS</b>	Maximum flight time	30min (3000mAh) • 45min (4000mAh)	30min (3000mAh) • 45min (4000mAh)	30min (3000mAh) • 45min (4000mAh)
	Range	Up to 25km • 15.5 miles	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	20-80km/h • 12.5-50mph
	Wind resistance	20kt • 37km/h • 23mph	20kt • 37km/h • 23mph	20kt • 37km/h • 23mph
	Operating Temperature	From -25 to +60°c • From -13 to +140°F	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	Up to 90% noncondensing
	Precipitation	No rain, no snow	No rain, no snow	No rain, no snow
	Maximum Ceiling	3,500m ASL (11,480ft ASL)	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	Yes, with circular or straight in landing
	Linear landing accuracy	Approx. 10m • 33ft	Approx. 10m • 33ft	Approx. 10m • 33ft
	Pre-flight setup time	5 minutes	5 minutes	5 minutes
	Take off type	Hand launch	Hand launch	Hand launch
	Landing type	Belly landing	Belly landing	Belly landing
	Real Time Trajectory Control at Landing	Yes, through the Data Modem box	Yes, through the Data Modem box	Yes, through the Data Modem box
<b>PAYLOAD</b>	Maximum Payload capability	250grams • Up to 400grams (with optional wing)	250grams • Up to 400grams (with optional wing)	250grams • Up to 400grams (with optional wing)
	Camera (included)	-	-	Multispectral Sequoia
	Camera (optional, not included)	GoPro, Sony α6000 (24.3MP APS-C), Flir View Pro	Sony α6000 (24.3MP mirrorless APS-C)	GoPro, Sony α6000 (24.3MP APS-C), Flir View Pro
	Oblique imagery	Yes (with optional mount for GoPro only)	Yes (with optional mount for GoPro only)	Yes (with optional mount for GoPro only)
<b>MAPPING</b>	Ground Sampling Distance (GSD)	Down to 1.5cm (0.6in) per pixel *	Down to 1.0cm (0.4in) per pixel *	Down to 1.5cm (0.6in) per pixel *
	Maximum coverage (single flight)	10km <sup>2</sup> • 3.9mi <sup>2</sup> • 1000ha (at 1,000m/3,280ft AGL)	10km <sup>2</sup> • 3.9mi <sup>2</sup> • 1000ha (at 1,000m/3,280ft AGL)	10km <sup>2</sup> • 3.9mi <sup>2</sup> • 1000ha (at 1,000m/3,280ft AGL)
	Absolute horizontal/vertical accuracy (w/GCPs)	Down to 3cm (1.2in) / 5cm (2in) *	-	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) *	1-5m (3.3-16.4ft) *
	Ground control points (GCPs) required	Optional for a better precision	No	Optional for a better precision
<b>SOFTWARE</b>	Flight planning & control (supplied)	OperationCenter v2 (Windows 10 touchscreen device)	OperationCenter v2 (Windows 10 touchscreen device)	OperationCenter v2 (Windows 10 touchscreen device)
	Image processing (optional)	Agisoft or Pix4D native files	Agisoft or Pix4D native files	Agisoft or Pix4D native files
<b>WARRANTY</b>	Manufacturer Warranty	1 year **	1 year **	1 year **

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

\*\* Coverage is subject to conditions and limitations