Lynx VTOL

PPK combined with the longest flying eVTOL in its class.

Lynx VTOL by SRP Aero – Technical Specifications

Category	Equipment	Lynx
Airframe	Weight	4.0 – 4.5 kg (8.8 – 9.9 lbs)
	Wingspan	2.3 m (7.5 ft)
	Material	Composite, foam core
	Cruise Propulsion	High-efficiency electric motor
	VTOL Propulsion	4x High-efficiency electric motors
	Battery	Hybrid Li-ion/Li-po
	Battery Connector	Cartridge, anti-spark
	Control Surfaces	Rudder, stabilator, ailerons
	Assembly	Tool-less
	Removable Wing & Tail	✔

Performance	Takeoff	Vertical
	Landing	Vertical
	Landing Accuracy	2 m (6.5 ft)
	Cruise Speed	17 m/s (38 mph)
	Wind Limit	10 m/s (20 knots)
	Flight Time	Up to 2 hour(s) with Standard Mapping Payload
Radio	Live Telemetry	✔
	Telemetry Radio Range	Line-of-sight (LOS)
	Telemetry Frequency	915 MHz
Autopilot	Hardware	Pixhawk 2.1 Cube with Lynx carrier board
	Sensors	1 fixed IMU, 2 vibration isolated and heated IMUs
		2 Barometers, airspeed sensor, magnetometer
		L1/L2 PPK capable GNSS
		Rangefinder
	Firmware	ArduPlane
	Autonomous Flight Modes	Takeoff, landing, waypoint navigation, survey, loiter
	Autopilot Assisted Flight	✔
	Lost-Link Failsafe	✔
	Low Battery Failsafe	✔
	Flight Data Logger	✔
GNSS	Hardware	Septentrio AsteRx-m2
	Constellation	GPS, GLONASS, Galileo, BeiDou, SBAS, QZSS
	Frequency	L1/L2
	PPK Option	✔

	Mapping Horizontal (XY) Accuracy	Down to 3.6 cm RMSE with PPK (post-processed model)
	Mapping Vertical (Z) Accuracy	Down to 3.6 cm RMSE with PPK (post-processed model)
GCS	Ground Control Station	Swift GCS
	Compatibility	Windows, Linux
	Built-In Checklist	✔
	Automated Preflight Steps	✔
	Touchscreen Optimized	✔
	Automatic Survey Grids	✔
	KML Overlay Import	✔
	Terrain Data Visualization	✔
Payloads	Payload Capacity	500 g (1.1 lbs)
	Swappable Cameras	✔
	Automatic Camera Triggering	✔
	Visible	Sony 24 MP RGB APS-C sensor | 20mm lens
	Multispectral (Vegetation Analysis)	MicaSense RedEdge-M (RGB, RE, NIR spectral bands)
	Live Video	EO/IR 2 axis zoom gimbal (under development)
	Example Ground Resolution (GSD)	1.76 cm/px - 24 MP @ 90 m AGL (300 ft)
		2.34 cm/px - 24 MP @ 120 m AGL (400 ft)
		8.0 cm/px - Multispectral @ 120 m AGL
	Example Ground Coverage	4 sq km (1000 acres) - 24 MP @ 120 m AGL (65% sidelap)
Geo-Tagging	Non-PPK	Swift GCS
	PPK	Septentrio Geotagz
	Output	CSV file, EXIF metadata
	Compatibility	Common photogrammetry software (Agisoft, Pix4D, etc.)

Accessories	Charger	200W dual battery charger (100W per output)
	Charger Input	100-240V AC
	Tool Kit	✔
	Spares Kit	✔
	Aircraft Manual	✔
Transport	Transport Case	SKB 4213-12 rugged hard case
	Airline Transportable	✔
	Non-Dangerous Goods (DG) Freight	✔

Flight times can vary due to environmental factors. Users will need a laptop or tablet to run Swift GCS.

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