

Lynx VTOL

Takeoff like a copter, fly like an airplane.



Lynx VTOL Technical Specifications

Category	Equipment	Lynx
Airframe	Weight	4.1 kg (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	16 m/s (36 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
		Current and voltage sense
		Optional 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, Mac
	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
		Sony 36 MP RGB Full Frame sensor 35mm lens
	Multispectral (Vegetation Analysis)	MicaSense RedEdge-M (RGB, RE, NIR spectral bands)
	Custom Payloads	Available upon request
	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	AC or DC
	Tool Kit	✓
	Spares Kit	✓
	Aircraft Manual	✓
Transport	Flight Case	Pelican 1740 case - (112.1 x 40.9 x 35.5 cm)
	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.

Swift Radioplanes | www.SRP.aero | Questions? Contact support@SRP.aero

Rev 201804-1