



NEW

# ULTRAPOD UP1/UP2

**A COMPLETE SURVEY-GRADE  
LiDAR SOLUTION FOR  
CERTIFIED CESSNA AIRCRAFT.**



AIRPLANE

The **ULTRAPOD SERIES** from Phoenix LiDAR Systems is a complete, turnkey aerial integration solution engineered for a wide range of mapping and survey missions. The ULTRAPOD is available in two variants – UP1 and UP2 – to support specific payload configurations.

Constructed from a lightweight, durable composite housing, the ULTRAPOD is FAA and EASA approved for installation on Cessna 172, 182, 206, and 208 aircraft, providing a flexible and user-friendly mounting platform for LiDAR and imaging systems.



## FULLY INTEGRATED DESIGN

- Pod, sensors, and software fully integrated
- In-flight data validation
- LiDAR and imagery fusion and export
- Robust coordinate reference system selections
- Virtually unlimited project sizes

## FLEXIBILITY

- Additional vibration-damped modules for tailoring the hardware to your specific needs
- Easily move between aircraft depending on mission

## APPLICATIONS

 UTILITIES CORRIDOR MAPPING

 AGRICULTURE & FORESTRY MONITORING

 OPEN PIT MINING OPERATIONS

 RAILWAY TRACK MAPPING

 WIDE-AREA GENERAL MAPPING

## ACQUISITION

- Highly adaptable to a variety of sensors depending on the demands of each project
- Live sensor control during acquisition allows the operator to respond as necessary
- Higher flight altitudes with larger coverage areas

## FAA AND EASA APPROVED

- Supplemental Type Certified (STC) for Cessna 172, 182, 206, and 208
- Installs in minutes with no modifications to the aircraft

## NEW ULTRAPOD UP1/UP2



### ULTRAPOD UP1/UP2 SPECIFICATIONS

	UP1	UP2
WEIGHT	6.0kg / 13.2 lbs	5.1 kg / 11.3 lbs
FRONTAL AREA	707.1 cm <sup>2</sup> / 109.6 in <sup>2</sup>	819.7 cm <sup>2</sup> / 127.1 in <sup>2</sup>
LENGTH	79.4 cm / 31.25 in	85.4 cm / 33.6 in
DIAMETER	29.9 cm / 11.8 in	33 cm / 13 in
MAX. PAYLOAD	16.7 kg / 36.8 lbs	17.6 kg / 38.7 lbs
STC	FAA and EASA	FAA and EASA
PERFORMANCE	-12 km <sup>2</sup> /h	-12 km <sup>2</sup> /h
SUPPORTED PAYLOADS	RANGER-U160 RANGER-U240	RANGER-U240 RANGER-U580



## MissionGuidance

IN-FLIGHT NAVIGATION GUIDANCE FOR PILOTS

The MissionGuidance module of SpatialExplorer helps streamline piloted data acquisitions by providing automated navigation tools for the pilot to stay exactly on course and for the sensor operator to ensure flawless acquisition.

- Confidence in flight through real-time monitoring and line rescheduling
- Improved data quality with steady flying at the planned height and line spacing
- Peace of mind - No data gaps - No remobilization

### KEY FEATURES

- ✓ Pilot navigation display screen
- ✓ Velocity, Heading, and Elevation monitor
- ✓ Height maps and custom terrain models
- ✓ Remaining flight time estimates
- ✓ Operator flight plan view
- ✓ Interactive line scheduling
- ✓ Configurable tolerances
- ✓ Automatic line management
- ✓ Basemaps for spatial reference
- ✓ AGL oracle



EXPLORE A PHOENIX LiDAR SYSTEM FOR YOUR TEAM, CONTACT US!

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