



NEW

ULTRAPOD UP1

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



The **NEW ULTRAPOD** from Phoenix LiDAR Systems is a complete, turn-key, aerial solution designed to adapt to a wide range of mapping and survey missions. This lightweight and robust carbon fiber housing is FAA and EASA approved for Cessna 172, 182, and 206 aircraft, giving operators a user-friendly, flexible mounting solution for LiDAR payloads and cameras.

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

EXPANDABILITY

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

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, and 206
- Installs in minutes with no modifications to the aircraft

APPLICATIONS

 Utilities Corridor Mapping

 Agriculture & Forestry Monitoring

 Open Pit Mining Operations

 Railway Track Mapping

 Wide-Area General Mapping



ULTRAPOD UP1 SPECIFICATIONS

WEIGHT	7.7 kg / 17.0 lbs
FRONTAL AREA	774.2 cm ² / 120.0 in ²
LENGTH	49.5 cm / 19.5 in
DIAMETER	19.8 cm / 7.8 in
MAX. PAYLOAD	15 kg / 33 lbs
STC	FAA and EASA
PERFORMANCE	-12 km ² /h



MissionGuidance

IN-FLIGHT NAVIGATION GUIDANCE FOR PILOTS

The MissionGuidance module for 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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