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# ZENMUSE L2

Powerful Range, Elevated Precision



Zenmuse L2 is a high-precision aerial LiDAR system that empowers drones with more accurate and efficient 3D data collection. With 4cm vertical accuracy, 5cm horizontal accuracy, and the ability to cover an area of 2.5 km<sup>2</sup> during a single flight, this IP54-rated system allows users to effortlessly handle a wide range of operational scenarios.

## Frame-based LiDAR

- Smaller laser spots, denser point clouds
- Point rate of 240,000 pts/s
- 5 returns
- Detection Range: 450m (50% reflectivity, 0 klx); 250m (10% reflectivity, 100 klx)
- Repetitive and non-repetitive scanning
- LiDAR center point range measurement, laser pinpoint

## High-Precision Inertial Navigation

- Yaw accuracy: Real-time: 0.2°, post-processing: 0.05°
- Pitch/roll accuracy: Real-time: 0.05°, post-processing: 0.025°
- No IMU warm up required, ready to operate after startup

## RGB Mapping Camera

- 4/3 CMOS
- 20 MP
- Mechanical shutter, high-speed burst with 0.7s interval

## Enhanced Operational Experience

- Point cloud LiveView
- Point cloud library and merging
- On-site mission quality report
- PPK
- One-click processing on DJI Terra