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 km² 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
- Center Point Laser Rangefinder (RNG)

RGB Mapping Camera

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

High-Accuracy IMU System

- 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

Enhanced Operational Experience

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