Product specification sheet

Product	DJI Zenmuse L2 Lidar Sensor Gimbal Camera
SKU	DJI-ZL200
Brand	DJI
Category	Camera & Photo
Minimum order quantity	1
Unit	—
Unit price	$13,000.00
Available quantity	100

Description

HIGHLIGHTS: Integrates a Lidar module, an RGB camera, and a high-accuracy IMU High Efficiency 2 km2 covered in a single flight High Accuracy Vertical Accuracy: 5 cm / Horizontal Accuracy: 10 cm Point Rate: 240,000 pts/s Supports 3 Returns Detection Range: 450 m (80% reflectivity, 0 klx) IP44 Ingress Protection Level Point Cloud LiveView Zenmuse L1 - Instant Clarity. Superior Accuracy. A Lidar + RGB Solution for Aerial SurveyingThe Zenmuse L1 integrates a Livox Lidar module, a high-accuracy IMU, and a camera with a 1-inch CMOS on a 3-axis stabilized gimbal. When used with Matrice 300 RTK and DJI Terra, the L1 forms a complete solution that gives you real-time 3D data throughout the day, efficiently capturing the details of complex structures and delivering highly accurate reconstructed models. Integrates a Lidar module, an RGB camera, and a high-accuracy IMUHigh Efficiency 2 km2 covered in a single flightHigh Accuracy Vertical Accuracy: 5 cm / Horizontal Accuracy: 10 cmPoint Rate: 240,000 pts/sSupports 3 ReturnsDetection Range: 450 m (80% reflectivity, 0 klx)IP44 Ingress Protection LevelPoint Cloud LiveViewDigitize without Compromise Exceptional EfficiencyGenerate true-color point cloud models in real-time, or acquire 2 km2 of point cloud data in a single flight [1] using the Livox frame Lidar module with a 70° FOV and a visible light camera with a 1-inch sensor. Unparalleled AccuracyRender centimeter-accurate reconstructions thanks to the high-accuracy IMU, a vision sensor for positioning accuracy, and the incorporation of GNSS data. Ready When You AreThe IP44 rating allows the L1 to be operated in rainy or foggy environments. The Lidar module’s active scanning method enables you to fly at night. Visualize Data as You FlyLivox Lidar Module Frame Lidar with up to 100% effective point cloud resultsDetection Range: 450m (80% reflectivity, 0 klx) / 190 m (10% reflectivity, 100 klx)Effective Point Rate: 240,000 pts/sSupports 3 ReturnsLine Scan Mode and Non-repetitive Petal Scan ModeEverything in ViewRGB Camera 20MP1-inch CMOSMechanical ShutterAccurate Details at Your DisposalHigh-accuracy IMU Accuracy: 0.025° (roll/pitch) / 0.08° (yaw)Vision Sensor for Positioning AccuracyGNSS, IMU, RGB Data FusionRecreate the World in 3D Point Clouds Point Cloud LiveViewReal-time point clouds provide immediate insights onsite, so operators are informed to make critical decisions quickly.You can also verify fieldwork quality by checking point cloud data immediately after each flight. Measurement and AnnotationAcquire and communicate critical dimensions on the point cloud model using measurements and annotations. One-stop Post-processingDJI Terra fuses the IMU and GNSS data for point cloud and visible light calculations, in addition to conducting POS data calculations so you can effortlessly generate reconstructed models and accuracy reports. Application Scenarios Topographic MappingQuickly generate topographic maps using accurate digital elevation models. AEC and SurveyingManage the full project lifecycle using highly accurate point clouds and 3D models. Emergency ResponseAny time of the day, gather critical insights in real-time using true-color point clouds. Law EnforcementGain situational awareness and forensic intel in real-time to make informed decisions on site. Energy and InfrastructureModel sparse or complex structures in detail to manage them efficiently and safely. Agriculture and Forestry ManagementGain insight into vegetation density, area, stock volume, canopy width, and growth trends. CineGear ME is DJI ONLY authorized reseller in Lebanon. Contact us via email : info@cinegearme.com or call on +96170019793