



GEOLIDAR TLS

Revolutionizing Terrestrial Mapping

Unlock the future of precise and efficient terrestrial mapping with GeoLiDAR TLS, a cutting-edge solution designed for detailed and accurate 3D scanning. Our Terrestrial Laser Scanning (TLS) system is engineered to deliver unparalleled accuracy and reliability, making it the ideal choice for various applications in surveying, construction, and infrastructure monitoring.

Key Features



High-Precision Scanning

GeoLiDAR TLS offers exceptional measurement precision, ensuring detailed and reliable data for all your mapping needs.



Fast Data Capture

With its advanced scanning technology, GeoLiDAR TLS can quickly capture complex geometries and large-scale environments, significantly reducing data collection time.



Versatile Applications

Suitable for a wide range of applications, including building documentation, heritage preservation, and infrastructure inspection, providing comprehensive insights into your projects.



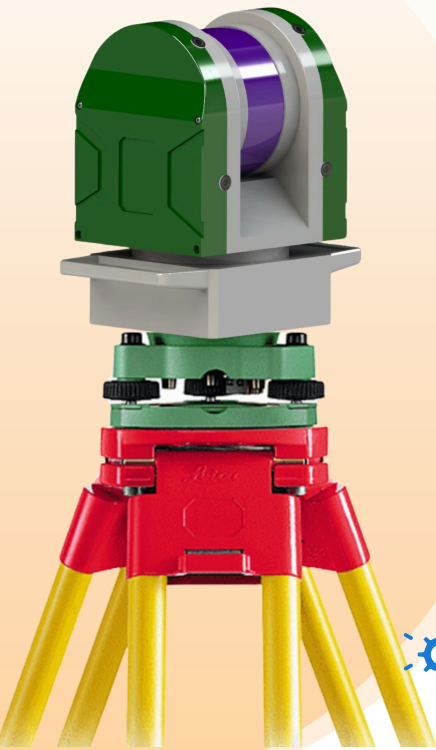
User-Friendly Interface

Designed with ease of use in mind, GeoLiDAR TLS features an intuitive interface that simplifies operation and data management, allowing for efficient and streamlined workflows.



Robust Construction

Built to withstand harsh environmental conditions, GeoLiDAR TLS is durable and reliable, ensuring consistent performance even in challenging settings.



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Technical Specification

Channel	16 – 32 Channels
Wavelength	~300.000 points/second
Detection Measurement Range	903 nm
Field of View	200 Meters
3D LiDAR Data Points Generated	Single Return Mode : ~300.000 point/second Dual Return Mode : ~ 600.000 point/second
Range of Accuracy	225° x 360° Automatic Rotation
Point Cloud Accuracy Scanning	Up to ±3 cm (Typical) 5cm @100m
Rotation Rate	5 – 20 Hz
GNSS System	Support Static Correction and NTRIP Correction GPS L1/L2/L5, GLONASS L1/L2 BDS B1C/B1/B2/B2a/B2b/B3 GALELEO E1/E5b/E5a
Position Accuracy	Horizontal 0.02m and Vertical 0.05 m
Battery Power	22.2 V (6s)
Processor	Intel Core I5
RAM	8 GB
Internal Storage	SSD 512GB
Controller	Personal Computer Outdoor
Operating Temperature	-10°C to 60°C
Data	Raw data : .dat and .gld Output : .las
Camera Resolution	4 x 5 Megapixel
Dimensions H x W x D	120 mm x 145 mm x 220 mm
Weight	4.420 gram
TKDN (Tingkat Komponen Dalam Negeri) Certificate	40 %

Why Choose GeoLiDAR TLS?

GeoLiDAR TLS stands out with its blend of precision, speed, and versatility. Whether you are working on large-scale infrastructure projects or intricate historical site documentation, our TLS system provides the detailed 3D data necessary for accurate analysis and decision-making. Elevate your mapping capabilities with GeoLiDAR TLS and experience the future of terrestrial scanning technology



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