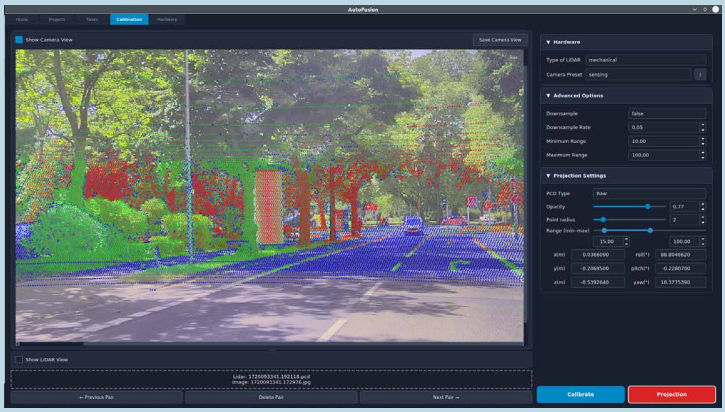
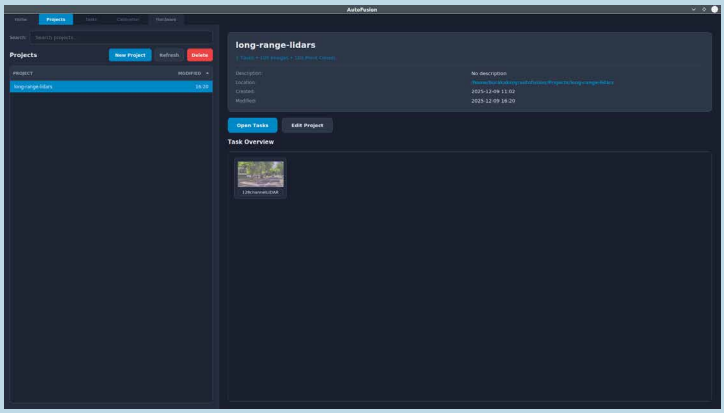
AutoFusion

High Accuracy Targetless Sensor Fusion Solution

Thanks to the advantage of being targetless, it differentiates from traditional methods by significantly simplifying the data collection process and reducing the total processing time to as little as 30 minutes. With advanced algorithms and AI support, it delivers highly accurate results in six degrees of freedom for both static and dynamic data. Its flexible algorithm structure also allows it to work with any LIDAR or camera.





- High-precision sensor fusion with advanced algorithm capabilities and AI support
- 6-axis measurement capability: XYZ and roll, pitch, yaw
- XYZ measurement accuracy of ±0.02 m
- Roll, pitch, and yaw measurement accuracy of ±0.2°
- Flexibility through compatibility with all types of LiDAR
- Can operate with any LiDAR-camera pair
- Delivers results in a maximum of 30 minutes
- Capable of processing both dynamic and static data
- Easy data collection thanks to the targetless advantage
- Ability to work with different data types

Applications

- V2X
- Automotive
- UAV
- Robotic

Keywords

- High-Speed Processing
- High Accuracy
- Highly adaptable
- User Friendly
- 6-axis Measurement

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Thanks to targetless data collection technology, the data acquisition process becomes significantly easier and faster compared to traditional methods. This technology reduces the total processing time to a maximum of 30 minutes, providing substantial time savings. The absence of the need for physical targets enhances ease of use and operational speed.

Advanced algorithms and AI support enable high-precision measurements in six degrees of freedom (XYZ + Roll, Pitch, Yaw) for both static and dynamic data. Its flexible algorithm structure allows compatibility with various types of LiDAR and camera systems, offering full adaptability across different application areas.

With a precision performance of ±0.02m in XYZ axes and ±0.2° in Roll, Pitch, and Yaw angles, it delivers industry-leading results. This makes it a reliable solution, especially in applications where precision is critical-such as automotive, UAVs, robotics, and V2X systems.

Thanks to its ability to handle various data types, the system can be easily integrated into a wide range of platforms. Its capability to produce stable and accurate results even from dynamic scenes allows users to perform fast and reliable analyses.

Key Specifications Table

Targetless Data Collection	Easy and fast data acquisition without the need for physical targets
6-Axis Measurement	Measurement of XYZ position and Roll, Pitch, Yaw angles
XYZ Accuracy	±0.02 meters
Roll, Pitch, Yaw Accuracy	±0.2° degrees
Sensor Compatibility	Works with all types of LiDAR and camera pairs
Fast Results	Full results delivered in a maximum of 30 minutes
Data Type Flexibility	Capable of processing both static and dynamic data
AI-Powered Processing	Sensor fusion supported by advanced algorithms and artificial intelligence

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