Unique LiDAR Qualification Method

Real Object Representation Using Light Signals

Application

LiDAR Target Emulator ATLAS

Technology
Testing of LiDAR cameras by reproducible simulation of specific scenarios

Customer Benefits
- Faster LiDAR development
- Increased driving safety and reliability of LiDAR systems
- Enabling the calibration systems on customer site

System Advantages
- Reproducibility of scenarios
- Independence of daytime and weather (in contrast to driving tests)
- Resource efficiency (time, human, testing material)
Application

LiDAR Target Emulator ATLAS

Application Fields

Vehicle- or Hardware-in-the-Loop tests of autonomous driver functions
Generating training data for autonomous driving
End-of-line testing for LiDAR manufacturers
Regular duty inspections of vehicles

Contact and Further Information

Business Unit Mobility
sales@ims.fraunhofer.de

Fraunhofer Institute for Microelectronic Circuits and Systems IMS
Finkenstraße 61
47057 Duisburg
www.ims.fraunhofer.de/en.html