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Automotive lidar performance requirements and test methods

车载激光雷达性能要求及试验方法

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents"

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Vehicle-mounted LiDAR performance requirements and test methods

1 Scope

This document specifies the performance requirements and inspection rules for vehicle-mounted laser radar (hereinafter referred to as "laser radar") and describes the corresponding tests method.

This document is applicable to the inspection of laser radars used for external information perception on road vehicles, and other laser radars can be used for reference.

2 Normative references

GB/T 2828.1

GB/T 16422.2-2022

GB/T 18655-2025

GB/T 18833

GB/T 18838.2

GB/T 19951-2019

GB/T 21437.2-2021

GB/T 21437.3-2021

GB/T 28046.2-2019

GB/T 28046.3-2011

GB/T 28046.4-2011

GB/T 28046.5-2013

GB/T 30038

GB 34660-2017

ISO 20567

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Lidar

A device that emits a laser beam and receives echoes to obtain information about the surrounding environment.

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