

# Development of Intelligent Driving Sensor Applications in the United States, China, and Europe

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Date: July 2024

Pages: 17

Price: US\$ 1,800.00 (Single User License)

ID: D72B1A756B70EN

## Abstracts

The design of advanced driver assistance systems (ADAS) can be divided into three major stages: environmental perception, intelligent decision-making, and control execution. Among these, sensing technology forms the foundation of ADAS and is a primary focus of research and development for major carmakers and Tier 1 suppliers. The main applications of this technology include Light Detection and Ranging (LiDAR), in-vehicle cameras, and radar. This report analyzes current development trends in major environmental sensing technologies for ADAS, focusing on key advancements in intelligent driving sensor applications in the United States, China, and Europe.

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