+44 20 8123 2220
info@marketpublishers.com

Global and China Advanced Driver Assistance System (ADAS) Industry Report, 2015-2019

https://marketpublishers.com/r/GC67FF283E9EN.html
Date: July 2015
Pages: 155
Price: US$ 2,450.00 (Single User License)
ID: GC67FF283E9EN

Abstracts

Global and China Advanced Driver Assistance System (ADAS) Industry Report, 2015-2019 focuses on the following:

Overview of automotive ADAS, including classification of ADAS, laws, regulations and rating requirements in major countries, consumer cognition, functions and technical schemes of main ADASs.

Analysis on global ADAS industry chain, covering market size, technical features, companies of sensor, chip, system integration, etc.;

Analysis on global and China's ADAS application and competition pattern, involving installation ratio, market size, as well as market share of major system integrators in the world;

Analysis on major ADAS chip/solution suppliers and system integrators worldwide, including operation and financial conditions, ADAS technologies and relevant business.

ADAS, short for Advanced Driver Assistance System, is not only the basis of intelligent driving and automatic driving, but the concrete application of active safety technology. ADAS can be generally divided into two categories: safety assistance and convenience and comfort assistance, with some systems integrating the pair of them.

The application of ADAS can significantly reduce the number of traffic accidents and the severity of injuries. At present, the greatest motivation to develop and use ADAS comes

from more stringent requirements on safe driving from governments. Europe, the United States, Japan, and other developed countries have made provisions on ADAS configuration in new vehicles with respect to legislation and rating standard (NCAP), generally requiring ADAS to have functions of forward collision avoidance (FCA) and lane departure warning (LDW). The forerunner EU also put forward requirementson automatic emergency braking (AEB), lane keeping assistance (LKA) and even pedestrian detection system (PDS).

ADAS has been one of the fastest-growing sectors in automotive field and is expected to register a CAGR of 32% during 2014-2019. Currently, developed countries in Europe and America have had nearly 8% of new vehicles equipped with ADAS, in contrast to about 2% in emerging markets. It is predicted that over 25% of new vehicles will carry ADAS by 2019 globally.

ADAS consists mainly of sensors, chips (with signal processing and data computing chips as its core), algorithm software, etc. Sensors are usually developed and supplied by system integrators; chips and algorithm software are generally co-developed by semiconductor companies and system integrators, as well as complete vehicle makers when it comes to application in specific models. System integrators not only have the most direct and close relationship with complete vehicle makers, but also are the suppliers of integrated ADAS solutions.

In passenger vehicle field, ADAS integrators are large in number, mostly being large auto parts companies. At present, the leading companies are technologically developing toward combination and integration of active safety with passive safety and integration of multiple ADASs. These integrations, while improving intelligentization and safety, can reduce space used and costs. By region, Continental AG, Delphi and Denso Corporation are system integrators holding the highest market share in Europe, America and Asia, respectively. Globally, Continental AG boasts the largest market share, as well as No. 1 as concerns researchers and capital investment in ADAS and automated driving technology. The world’s top 5 system integrators make up more than 65% of market share, with the remaining occupied by Valeo, TRW, Magna, Hella, Panasonic, Gentex, etc.

Compared with passenger vehicles, the system integrators that are supplying ADAS for commercial vehicles are highly concentrated, with WABCO, Continental AG and Bosch eyeing 60% global market share.

China’s ADAS industry is also in rapid development over the years. Some companies backed by colleges, universities and other research institutions have the research and development ability of core algorithm and have received market recognition. At the same time, some traditional auto parts manufacturers represented by INVO Automotive Electronics, Jinzhou Jinheng Automotive Safety System and HiRain Technologiesare flooding into the ADAS market and have realizedOEM installation by virtue of resources from the original vehicle manufacturers. In addition, the booming ADAS industry is also favored by capital market, some established or emerging companies such as INVO Automotive Electronics and Forward Innovation Corporation sold partial stake to listed companies. However, the technological gap is still obvious, with a majority of ADAS integration companies deficient of core algorithm or lagged far behind foreign rivals. With most products supplied to independent vehicle factories, it’s rather difficult for them to enter the supply chain of joint venture factories at this stage.

+44 20 8123 2220
info@marketpublishers.com

Contents

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

List Of Charts

LIST OF CHARTS

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

AEB Pre-installation of Passenger Car Factories in China, Jan-Apr 2015
AEB Configuration for New Cars in China, Apr 2015
FCW Configuration for Passenger Cars Sold in China, Apr 2015
FCW Pre-installation of Passenger Car Factories in China, Jan-Apr 2015
Number of Models Carrying Mobileye's ADAS, 2007-2016E
Revenue and Net Income of Mobileye, 2011-2015Q1
Gross Margin of Mobileye, 2011-2015Q1
ADAS Products Provided by Mobileye
Revenue Breakdown of Mobileye by Division, 2011-2015Q1
Operating Profit Breakdown of Mobileye by Division, 2011-2015Q1
Composition of Mobileye EyeQ?
Cooperative Companies of Mobileye in OEM Market and Procedures
Customers Accounting for More Than 10% of Mobileye's OEM Revenue, 2012-2014
Revenue and Net Income of TI, 2010-2015Q1
Gross Margin of TI, 2010-2015Q1
Revenue Structure of TI by Division, 2010-2014H1
Operating Profit Breakdown of TI by Division, 2010-2014
Revenue Structure of TI by Region, 2010-2014
Application of TI's Products in Automotive Sector
Application of TI's Analog and Embedded Processors in ADAS

TI AFE5401

Block Diagram for TDA2x SoC
TDA2x Evaluation Module
Three Categories of Products and Their Application Fields of Renesas
Revenue and Operating Profit of Renesas, FY2011-FY2015
Net Income of Renesas, FY2011-FY2015
Products and Organization Evolution of Renesas
Proportion of Semiconductor Revenue to Total Revenue of Renesas, FY2011-FY2015
Semiconductor Revenue Structure of Renesas by Product, FY2012-FY2014
MCU Revenue Breakdown of Renesas by Application Field, FY2012-FY2014
Analog and Power Devices Revenue Breakdown of Renesas by Application Field, FY2012-FY2014
SoC Revenue Breakdown of Renesas by Application Field, FY2012-FY2014
Statistics Changes in Sales Data of Renesas, FY2015
Auto Sales (Semiconductor Part) of Renesas, FY2014-FY2015
General-Purpose Sales (Semiconductor Part) of Renesas, FY2014-FY2015
General-Purpose Revenue Structure of Renesas by Application, FY2014-FY2015

+44 20 8123 2220
info@marketpublishers.com

Semiconductor Revenue Structure of Renesas by Application Field, FY2015
Automotive Revenue Structure of Renesas by Application, FY2015Q1
General-Purpose Revenue Structure of Renesas by Application, FY2015Q1
R-Car V2H SoC of Renesas
Block Diagram for Renesas Sensor Fusion
Recommended Products of Renesas ADAS Solutions
Roadmap for Renesas ADAS Products
Revenue and Net Income of Freescale, 2010-2015Q1
Gross Margin of Freescale, 2010-2015Q1
Revenue Structure of Freescale by Product, 2011-2015Q1
Revenue Structure of Freescale by Region, 2014
Applications of Freescale's ADAS
Four Generation Products of Freescale ADAS MCU

77GHZ RADAR SYSTEM OF FREESCALE

Radar System Solutions and Target Application of Freescale
Power Architecture?-based Qorivva 32-bit MCUs of Freescale
Vision System Solutions of Freescale
Two Goals of WABCO's Products
Revenue and Operating Profit of WABCO, 2010-2015Q1
Gross Margin of WABCO, 2010-2015Q1
Global Factories of WABCO
Revenue Structure of WABCO by Product Segments, 2011
Revenue Structure of WABCO by End Market, 2011-2014
Revenue Structure of WABCO by Region,2011-2014
Major Customers of WABCO in Various Markets
WABCO's ADAS Products
Roadmap for WABCO's ADAS Products
WABCO's OptiPace?
Autoliv in Numbers
Autoliv Milestone
Autoliv's Automotive Safety System Products
Revenue and Operating Profit of Autoliv, 2010-2015Q1
Gross Margin of Autoliv, 2010-2014
Global Factories of Autoliv
Revenue Structure of Autoliv by Product, 2011-2015Q1
Output of Autoliv's Products, 2013Q1-2015Q1
Output of Autoliv's Products, 2009-2014

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

Applications of Delphi’s Sensor System and ADAS
Delphi’s Integrated Safety and Networking Technology Solutions
Delphi’s Roadmap for Intelligent Driving
Revenue of Denso, FY2011-FY2015
Operating Profit and Net Income of Denso, FY2011-FY2015
Revenue Structure of Denso by Division, FY2011-FY2015
Auto Sales of Denso by Division, FY2011-FY2015
Revenue Structure of Denso by Region, FY2011-FY2015
Revenue Breakdown of Denso by Customer, FY2010-FY2014
Denso’s Technology Roadmap for Safe Driving
Denso’s Driver Status Monitor System
Denso’s Lane Keeping Assist System
Denso’s Pre-Crash Safety System
Applications of Delphi’s Sensor System and ADAS
Safety Functions and Products Supplied by Denso under Various Driving Situations
Three Levels (Entry, Standard, Advanced) of ADAS Products Suites of Denso
Major Partners of INVO Automotive Electronics
Global Distribution of HiRain Technologies
AFS of HiRain Technologies
SVC System Architecture of ZongMu Technology
Main Functions of ZongMu Technology
ADAS Products of HuiChuang Electronic Technology

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Global and China Advanced Driver Assistance System (ADAS) Industry Report, 2015-2019

Product link: https://marketpublishers.com/r/GC67FF283E9EN.html

Price: US$ 2,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GC67FF283E9EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _______________________________________

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970