

# Global 4D Imaging Radar Module Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global 4D Imaging Radar Module market size is expected to reach \$ 9836 million by 2032, rising at a market growth of 18.7% CAGR during the forecast period (2026-2032).

In 2025, global 4D Imaging Radar Module production reached approximately 15.46 million units, with an average global market price of around US\$185 per unit.

The gross profit margin of major companies in the industry is between 22% ? 40%.

In 2025, the global production capacity of 4D Imaging Radar Module was approximately 20.61 million units.

4D Imaging Radar Module is an automotive sensing module capable of detecting range, speed, azimuth, and elevation information to generate richer spatial perception than conventional radar. It improves target discrimination, object classification, and environmental understanding, making it increasingly important in advanced driver assistance and autonomous driving systems.

The industrial chain of 4D Imaging Radar Module includes upstream RF chips, antennas, substrates, processors, sensors, housings, and software algorithms. Midstream covers module design, RF calibration, assembly, testing, and perception integration. Downstream applications mainly include passenger vehicles, commercial vehicles, ADAS systems, autonomous driving platforms, and intelligent transportation equipment.

This report studies the global 4D Imaging Radar Module production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 4D Imaging Radar Module and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of 4D Imaging Radar Module that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global 4D Imaging Radar Module total production and demand, 2021-2032, (K Units)

Global 4D Imaging Radar Module total production value, 2021-2032, (USD Million)

Global 4D Imaging Radar Module production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global 4D Imaging Radar Module consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: 4D Imaging Radar Module domestic production, consumption, key domestic manufacturers and share

Global 4D Imaging Radar Module production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global 4D Imaging Radar Module production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global 4D Imaging Radar Module production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global 4D Imaging Radar Module market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Continental, ZF, Valeo, smartmicro, bitsensing, Mobileye, Uhnder, CubTEK, HIRAIN, Huawei, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World 4D Imaging Radar Module market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global 4D Imaging Radar Module Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global 4D Imaging Radar Module Market, Segmentation by Type:

77GHz Automotive 4D Radar

24GHz Short-Range 4D Radar

#### Global 4D Imaging Radar Module Market, Segmentation by Detection Range:

Short-Range 4D Imaging Radar

Mid-Range 4D Imaging Radar

Long-Range 4D Imaging Radar

## Global 4D Imaging Radar Module Market, Segmentation by Channel & Angular Resolution:

Low Angular Resolution Module

Medium Angular Resolution Module

High-Definition 4D Radar Module

## Global 4D Imaging Radar Module Market, Segmentation by Application:

Autonomous Driving & ADAS

Smart Traffic Monitoring

Industrial Security Perception

Other

## Companies Profiled:

Continental

ZF

Valeo

smartmicro

bitsensing

Mobileye

Uhnder

CubTEK

HIRAIN

Huawei

**Key Questions Answered:**

1. How big is the global 4D Imaging Radar Module market?
2. What is the demand of the global 4D Imaging Radar Module market?
3. What is the year over year growth of the global 4D Imaging Radar Module market?
4. What is the production and production value of the global 4D Imaging Radar Module market?
5. Who are the key producers in the global 4D Imaging Radar Module market?
6. What are the growth factors driving the market demand?

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