

# Global CMOS Radar Transceiver Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global CMOS Radar Transceiver market size is expected to reach \$ 740 million by 2032, rising at a market growth of 14.9% CAGR during the forecast period (2026-2032). CMOS Radar Transceiver is a highly integrated millimeter-wave device built on CMOS technology to generate, transmit, and receive radar signals with high linearity, low phase noise, and stable output power, supporting compact and cost-efficient sensing performance for automotive radar and industrial radar. In 2025, production was approximately 22.5 million units and the average price was USD 12 per unit. The industry's capacity utilization rate in 2025 was about 51% and the average gross margin was around 55%. Upstream, the most critical inputs include silicon wafers, photoresists, lithography machines, and etching tools, with representative suppliers such as ASML, Tokyo Electron, and Applied Materials providing essential semiconductor materials and equipment. The midstream segment covers system architecture design, analog front-end development, RF and baseband integration, digital signal processing, mixed-signal verification, and tape-out management, which collectively determine performance and integration level. Downstream, CMOS Radar Transceiver is used by automotive radar and industrial radar manufacturers such as Bosch, Continental, Aptiv, Valeo, Denso, ZF, and Huawei. This report studies the global CMOS Radar Transceiver production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for CMOS Radar Transceiver 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 CMOS Radar Transceiver that contribute to its increasing demand across many markets.

### Highlights and key features of the study

Global CMOS Radar Transceiver total production and demand, 2021-2032, (Million

Units)

Global CMOS Radar Transceiver total production value, 2021-2032, (USD Million)

Global CMOS Radar Transceiver production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global CMOS Radar Transceiver consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: CMOS Radar Transceiver domestic production, consumption, key domestic manufacturers and share

Global CMOS Radar Transceiver production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global CMOS Radar Transceiver production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global CMOS Radar Transceiver production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global CMOS Radar Transceiver 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 NXP Semiconductors, Texas Instruments, Infineon Technologies, 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 CMOS Radar Transceiver market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million 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 CMOS Radar Transceiver Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global CMOS Radar Transceiver Market, Segmentation by Type:

3Tx/4Rx

2Tx/3Rx

Others

#### Global CMOS Radar Transceiver Market, Segmentation by Package:

FOWLP

FCBGA

Others

#### Global CMOS Radar Transceiver Market, Segmentation by Process Node:

28nm

45nm

Others

#### Global CMOS Radar Transceiver Market, Segmentation by Application:

Automotive Radar

Industrial Radar

Others

**Companies Profiled:**

NXP Semiconductors

Texas Instruments

Infineon Technologies

**Key Questions Answered:**

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

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