

# Global Microwave Band CW Radar Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Microwave Band CW Radar market size is expected to reach \$ 2526 million by 2032, rising at a market growth of 8.1% CAGR during the forecast period (2026-2032).

In 2025, global production of microwave band continuous wave radar reached approximately 37.4 thousand units, based on an average market price of around US\$ 38,000 per unit. Industry gross profit margins generally ranged from 35% to 55%, reflecting value added from signal stability, frequency accuracy, and system-level integration capability. Global production capacity in 2025 was estimated at about 47.0 thousand units, indicating sufficient manufacturing capability to support expanding industrial and security applications.

Microwave band continuous wave radar is a radar system that transmits and receives continuous microwave signals to detect targets and measure parameters such as speed, distance variation, or motion presence. It is characterized by high sensitivity, simple structure, and strong anti-interference performance, making it suitable for motion detection and velocity measurement applications.

The industrial chain includes upstream microwave components, oscillators, antennas, RF circuits, and signal processing units. The midstream focuses on radar module assembly, frequency tuning, system calibration, and functional testing. Downstream applications mainly involve traffic monitoring, industrial automation, security systems, level measurement, and motion sensing equipment.

This report studies the global Microwave Band CW Radar production, demand, key manufacturers, and key regions.

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

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

Global Microwave Band CW Radar total production and demand, 2021-2032, (K Units)

Global Microwave Band CW Radar total production value, 2021-2032, (USD Million)

Global Microwave Band CW Radar production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Microwave Band CW Radar consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Microwave Band CW Radar domestic production, consumption, key domestic manufacturers and share

Global Microwave Band CW Radar production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Microwave Band CW Radar production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Microwave Band CW Radar production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Microwave Band CW Radar 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 Infineon Technologies, Texas Instruments, NXP Semiconductors, Analog Devices, STMicroelectronics, onsemi, Bosch Sensortec, Renesas Electronics, Silicon Radar, RFbeam Microwave, 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 Microwave Band CW Radar 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 Microwave Band CW Radar Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Microwave Band CW Radar Market, Segmentation by Type:

Velocity Measurement Radar

Short-Range Detection Radar

Presence and Motion Sensor

### Global Microwave Band CW Radar Market, Segmentation by Modulation Technique:

Unmodulated CW Radar

FMCW Radar

Phase-Modulated CW Radar

### Global Microwave Band CW Radar Market, Segmentation by Frequency Range:

C-Band CW Radar

X-Band CW Radar

Ku-Band CW Radar

### Global Microwave Band CW Radar Market, Segmentation by Application:

Traffic Monitoring & Speed Enforcement Industry

Industrial Automation & Sensing Industry

Security & Surveillance Industry

Consumer Electronics & Smart Devices Industry

Other

### Companies Profiled:

Infineon Technologies

Texas Instruments

NXP Semiconductors

Analog Devices

STMicroelectronics

onsemi

Bosch Sensortec

Renesas Electronics

Silicon Radar

RFbeam Microwave

**Key Questions Answered:**

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

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