

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

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## Abstracts

The global X-Band CW Radar market size is expected to reach \$ 3583 million by 2032, rising at a market growth of 10.9% CAGR during the forecast period (2026-2032).

In 2025, global X-Band CW Radar production reached approximately 19,765 units, with an average global market price of around US\$85,000 per unit.

The gross profit margin of major companies in the industry is between 40%–60%.

In 2025, the global production capacity of X-band continuous wave radar systems was approximately 26,353 units.

X-Band CW Radar refers to radar systems operating in the X-band frequency range that transmit continuous wave signals to detect targets based on Doppler frequency shifts. These radars are optimized for velocity measurement, motion detection, and short- to medium-range sensing, offering high resolution, stable performance, and strong resistance to environmental interference.

The industrial chain of X-Band CW Radar includes upstream components such as microwave transceivers, oscillators, antennas, RF circuits, signal processors, and housings. The midstream focuses on radar module design, RF integration, calibration, and system assembly. Downstream applications cover traffic monitoring, industrial automation, security surveillance, maritime sensing, and aerospace-related detection systems, supported by installation, system integration, and maintenance services.

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

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

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

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

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

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

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

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

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

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

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

This report profiles key players in the global X-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 X-Band CW Radar market

### **Detailed Segmentation:**

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

Millions), volume (production, consumption) & (Units) and average price (K 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 X-Band CW Radar Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global X-Band CW Radar Market, Segmentation by Type:

Discrete CW Radar Module

Integrated CW Radar Sensor

CW Radar-on-Chip Solution

#### Global X-Band CW Radar Market, Segmentation by Signal Processing:

Analog CW Radar

Digital CW Radar

IQ Processing CW Radar

Global X-Band CW Radar Market, Segmentation by Deployment Scenario:

Traffic Monitoring Radar

Industrial Sensing Radar

Security Surveillance Radar

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

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