

# Global Panoramic Security Camera Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G2235BCD88C1EN.html>

Date: February 2026

Pages: 137

Price: US\$ 4,480.00 (Single User License)

ID: G2235BCD88C1EN

## Abstracts

The global Panoramic Security Camera market size is expected to reach \$ 4653 million by 2032, rising at a market growth of 7.0% CAGR during the forecast period (2026-2032).

In 2025, global Panoramic Security Camera production reached approximately 5.63 M Units. The average price is approximately \$500. Panoramic Security Camera is a type of camera device used for security monitoring. It can achieve an ultra-wide field of view (typically 180°, up to 360°) from a single installation point, reducing blind spots and replacing the deployment of multiple traditional cameras. Its core feature is continuous, seamless visual monitoring of a large area from a fixed location.

**Gross Profit Margin Level** The gross profit structure of panoramic security cameras exhibits a two-way pull: rising hardware premiums and competitive price reductions at the project level. On the one hand, panoramic/multi-view models often incorporate multiple sensors, stitching calibration, higher computing power SoCs, and complex heat dissipation and protection structures, resulting in higher ASPs and greater differentiation potential. Simultaneously, the value of 'single-camera replacing multi-camera' solutions makes them more readily accepted by buyers in retail, transportation, and industrial park scenarios based on system TCO (cabage, maintenance, and number of locations) rather than unit price. On the other hand, channel homogenization and project bidding will pull the overall gross profit margin of 'camera + NVR + installation' back to the common range for engineering projects, especially for standardized fisheye/180° models, which are more prone to price competition. Referring to the gross profit margins of leading security camera manufacturers (e.g., Hikvision approximately 43.8% in 2024, Dahua approximately 38.84% in 2024), panoramic cameras typically strive for a gross profit margin 'slightly higher than ordinary fixed-focus bullet/dome cameras.' However, the final project implementation still heavily depends on the proportion of software licensing, maintenance, and platform-based delivery.

## Industry Drivers

The growth momentum of panoramic security cameras essentially stems from two main lines: 'covering larger scenes with fewer camera locations' and 'video transforming from an evidence collection tool into an operational data entry point.' In retail and chain stores, the demand for customer flow statistics, heat maps, anomaly detection, and loss prevention continues to strengthen. In transportation hubs and industrial parks, perimeters and public areas require fewer blind spots and fewer camera locations to reduce deployment and maintenance costs. In warehousing and logistics, with the increase in automation and nighttime operations, the cost-effectiveness of top-mounted 360° and multi-view 180° cameras for aisle and platform coverage becomes increasingly apparent. Meanwhile, edge AI (human/vehicle/object recognition, counting, and structured retrieval) is being deployed to the front end, transforming 'panoramic large-view' footage from simply wider recordings into searchable, alarm-linked, and operationally optimized 'visual sensors.' The report predicts this segment will grow at a CAGR of 8.32% to approximately \$4.9 billion by 2031, reflecting the ongoing shift in engineering paradigms from 'multiple camera locations' to 'panoramic/multi-view + AI.' This report studies the global Panoramic Security Camera production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Panoramic Security Camera 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 Panoramic Security Camera that contribute to its increasing demand across many markets.

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

Global Panoramic Security Camera total production and demand, 2021-2032, (K Units)

Global Panoramic Security Camera total production value, 2021-2032, (USD Million)

Global Panoramic Security Camera production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Panoramic Security Camera consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Panoramic Security Camera domestic production, consumption, key domestic manufacturers and share

Global Panoramic Security Camera production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Panoramic Security Camera production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Panoramic Security Camera production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Panoramic Security Camera 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 Hikvision, Dahua Technology, Axis Communications, Hanwha Vision, Bosch Security and Safety Systems, Avigilon, Pelco, Uniview, VIVOTEK, i-PRO, 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 Panoramic Security Camera 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 Panoramic Security Camera Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Panoramic Security Camera Market, Segmentation by Type:

Monocular Panoramic Camera

Multi-View Stitched Panoramic Camera

Global Panoramic Security Camera Market, Segmentation by Monitoring Range and Viewing Angle:

360° Omnidirectional Panoramic Camera

180° Wide-Angle Panoramic Camera

Surround View Panoramic Camera

Top-Down Panoramic Camera

Global Panoramic Security Camera Market, Segmentation by Transmission Method:

Wired Panoramic IP Camera

Wireless Panoramic Camera

Global Panoramic Security Camera Market, Segmentation by Application:

Retail and Chain Stores

Transportation Hubs

Logistics and Warehousing

Smart Cities

Others

**Companies Profiled:**

Hikvision

Dahua Technology

Axis Communications

Hanwha Vision

Bosch Security and Safety Systems

Avigilon

Pelco

Uniview

VIVOTEK

i-PRO

MOBOTIX

Arecont Vision

Dallmeier

Oncam

Sentry360

Milesight

Tiandy

IDIS

GeoVision

ACTi

## **Key Questions Answered:**

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

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