

Global Infrared Hemispherical Camera Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G75513CA7007EN.html>

Date: April 2026

Pages: 173

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

ID: G75513CA7007EN

Abstracts

The global Infrared Hemispherical Camera market size is expected to reach \$ 1916 million by 2032, rising at a market growth of 5.4% CAGR during the forecast period (2026-2032).

An Infrared Hemispherical Camera refers to a network camera product that uses a hemispherical or ceiling-mounted low-profile housing, integrates a wide-angle or fisheye optical system and an infrared illumination module, and is designed for all-weather video surveillance. Its core value lies in providing a large field of view coverage with a single device and continuously imaging in low-light or even zero-light environments thanks to built-in infrared illumination. It typically covers large-scale monitoring needs in retail, office, transportation, and public spaces.

The primary driving force comes from the long-term demand for 'fewer devices, fewer blind spots, and lower wiring complexity' in large-scale monitoring scenarios. Hikvision's panoramic cameras can provide 180° or 360° field of view with a single device, thereby reducing complexity and cost; TP-Link also positions its fisheye products as a solution where 'one camera performs the role of multiple cameras,' especially suitable for indoor open spaces such as retail and offices. Nighttime and low-light monitoring have become essential requirements, driving infrared capability from 'optional configuration' to standard configuration. Dahua's many fisheye cameras have built-in IR LEDs and are labeled as maintaining visibility in low-light or zero-light conditions; Honeywell positions its 60 Series fisheye cameras as enterprise-grade products that can provide 360° panoramic monitoring in low-light or variable-light environments.

This report studies the global Infrared Hemispherical Camera production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Infrared Hemispherical Camera total production and demand, 2021-2032, (K Units)

Global Infrared Hemispherical Camera total production value, 2021-2032, (USD Million)

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

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

U.S. VS China: Infrared Hemispherical Camera domestic production, consumption, key domestic manufacturers and share

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

Global Infrared Hemispherical Camera production by Monitoring Distance, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

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

This report profiles key players in the global Infrared Hemispherical 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, BOSCH, TP-LINK, Johnson Controls, Axis Communications, Huawei, Mobotix, Norden, Dahua Technology, Teledyne, 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 Infrared Hemispherical 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 Monitoring Distance, 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 Infrared Hemispherical Camera Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Infrared Hemispherical Camera Market, Segmentation by Monitoring Distance:

Below 20m

20-50m

Above 50m

Global Infrared Hemispherical Camera Market, Segmentation by Type:

Outdoor Dome Cameras

Indoor Dome Cameras

Global Infrared Hemispherical Camera Market, Segmentation by Application:

Industrial

Commercial

Residential

Companies Profiled:

Hikvision

BOSCH

TP-LINK

Johnson Controls

Axis Communications

Huawei

Mobotix

Norden

Dahua Technology

Teledyne

Honeywell

Osram

Hanwha Techwin

Localert

Vivotek

Infinova

HANBANG Technology

Chengdu Jiafaantai Education Technology

Changzhou Xinze Monitor Equipment

Shenzhen Baird Share

Shenzhen Santachi Video Technology

Fujian Haosj Electronic Science And Technology

Key Questions Answered:

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

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