

Global Mining Explosion-proof Infrared Camera Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Mining Explosion-proof Infrared Camera market size is expected to reach \$ 62.18 million by 2032, rising at a market growth of 7.0% CAGR during the forecast period (2026-2032).

In 2025, global sales of Mining Explosion-proof Infrared Camera reached 3,850 units, with an average selling price of US\$9,750 per unit. Total production capacity was approximately 4,500 units per year, and gross profit margin remained between 32% and 37%. This product mainly consists of an explosion-proof housing, a high-sensitivity infrared sensor, a high-definition image processing module, a low-temperature heating device, a power supply, and a data interface. It is specifically designed for high-risk environments such as coal mines, metal mines, and underground mines, featuring explosion-proof, dustproof, waterproof, and low-light infrared monitoring capabilities, enabling real-time monitoring and safety management of personnel, equipment, and the environment in mines. Upstream raw materials include explosion-proof housing steel, infrared sensors and optical lenses, electronic processing modules, and control systems. Downstream suppliers primarily include mining companies, underground construction projects, and safety monitoring service providers. With increasingly stringent safety regulations in the mining industry and the advancement of smart mines and automated monitoring systems, the demand for infrared cameras with high reliability, excellent explosion-proof performance, strong night vision, and remote monitoring capabilities continues to grow. Future development will focus on improving imaging accuracy, intelligent analysis and alarm functions, remote data transmission, and modular customization to meet the needs of complex mining environments and safety management, thereby expanding market share and technological competitiveness.

This report studies the global Mining Explosion-proof Infrared Camera production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Mining Explosion-proof Infrared Camera total production and demand, 2021-2032, (Units)

Global Mining Explosion-proof Infrared Camera total production value, 2021-2032, (USD Million)

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

Global Mining Explosion-proof Infrared Camera consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Mining Explosion-proof Infrared Camera domestic production, consumption, key domestic manufacturers and share

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

Global Mining Explosion-proof Infrared Camera production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Mining Explosion-proof Infrared Camera production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Mining Explosion-proof Infrared 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, Honeywell, Axis Communications, Pelco, SAMCON, ClearView, Raythink, Hanwha Vision, Sunell, 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 Mining Explosion-proof Infrared Camera market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (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 Mining Explosion-proof Infrared Camera Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Mining Explosion-proof Infrared Camera Market, Segmentation by Type:

Gun-type Fixed Type

Spherical/Gimbal Type

Thermal Imaging Type

Global Mining Explosion-proof Infrared Camera Market, Segmentation by Lighting Type:

Infrared LED Supplementary Lighting Type

Laser Supplementary Lighting Type

Cold light source Supplementary Lighting Type

Thermal Imaging Type Without Supplementary Lighting

Global Mining Explosion-proof Infrared Camera Market, Segmentation by Resolution:

Resolution: 2 Megapixels

Resolution: 4 Megapixels

Others

Global Mining Explosion-proof Infrared Camera Market, Segmentation by Application:

Coal Mines

Metal Mines

Others

Companies Profiled:

Hikvision

Dahua

Honeywell

Axis Communications

Pelco

SAMCON

ClearView

Raythink

Hanwha Vision

Sunell

2M Technology

Yoseen Infrared

Hongboyatai

Norden Communication

ACTi

ORIENT BRAINS

ANSON

Key Questions Answered:

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

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