

Night Vision Surveillance Cameras Market to Soar by 2035, Fueled by Security Demands and Smart Technology Integration

Night vision surveillance cameras market to soar, fueled by AI, smart city growth, and rising global demand for 24/7 security.

NEWARK, DE, UNITED STATES, August 8, 2025 /EINPresswire.com/ -- The global [Night Vision Surveillance Cameras Market](#) is set for an unprecedented expansion, projected to grow from USD 199.2 billion in 2025 to USD 1,491.3 billion by 2035, at an impressive CAGR of 22.3%. This growth reflects the urgent demand for reliable, round-the-clock security solutions in an increasingly unpredictable global landscape.



Night Vision Surveillance Cameras Market

A Market in Sharp Focus

Rising incidents of property crime, perimeter breaches, and public safety threats are compelling governments, corporations, and households to invest heavily in advanced surveillance systems capable of operating in low- or zero-light conditions. From urban safety initiatives to defense operations, night vision surveillance cameras are now indispensable for modern security infrastructure.

The market's upward trajectory is further reinforced by smart city developments, the integration of artificial intelligence, and innovations in infrared and thermal imaging. These advancements are not only improving image quality and range but also enabling real-time analytics, remote monitoring, and automated threat detection.

Segment Leadership: Dome Cameras and PTZ Technology

Among product types, dome cameras command a dominant 46.8% market share, valued for

their discreet design, wide-angle coverage, and resistance to tampering. Their adaptability for both indoor and outdoor environments, combined with integrated infrared capabilities, makes them a preferred choice for retail, hospitality, and corporate sectors.

In the type category, PTZ (Pan, Tilt, Zoom) cameras hold the lead with a 52.3% share. Their ability to track moving targets, cover vast areas, and adapt to dynamic surveillance needs has positioned them as essential tools in transportation hubs, industrial facilities, and border security. Enhanced with 360° rotation, long-range infrared illumination, and AI-based tracking, PTZ units are redefining active monitoring.

Retail Emerges as a Growth Engine

The retail sector currently leads the market with a 26.7% share. Night vision surveillance in retail environments is crucial for deterring theft, monitoring customer activity, and ensuring workplace safety. Modern systems—especially those with facial recognition and motion detection—are helping retailers protect assets while streamlining operations through cloud-based video analytics.

Key Growth Drivers

Heightened Security Concerns: From terrorism threats to rising urban crime, demand for advanced surveillance is accelerating.

Military and Defense Adoption: Nations such as the USA, China, India, and Germany are investing in night vision devices for patrolling, border control, and combat readiness.

Smart Integration: AI-powered analytics, IoT connectivity, and cloud storage are enhancing detection, recognition, and response times.

Regulatory Mandates: Compliance requirements in public safety and workplace security are pushing organizations toward 24/7 monitoring.

Barriers to Growth

Despite its strong potential, the market faces cost-related challenges. High manufacturing expenses—driven by specialized optics and third-generation technologies—limit adoption in cost-sensitive markets. This is particularly evident in non-military applications, where affordability remains a key consideration.

Notable Technology Trends

One of the most influential trends is the integration of near-infrared (NIR) imaging. This allows for superior detection capabilities in all weather conditions. Notably, OmniVision Technologies

launched its second-generation Nyxel 2 NIR technology in March 2024, offering improved range, quality, and performance in complete darkness.

Regional Outlook

North America is set to remain the largest market, driven by strong adoption in the USA and Canada, valued at USD 195.4 billion by 2035.

Asia-Pacific is expected to grow rapidly, reaching USD 25.3 billion, propelled by defense modernization and increased public infrastructure security.

Europe will maintain steady growth due to the presence of leading manufacturers and heightened public safety initiatives.

Middle East & Africa and Latin America will see consistent growth supported by government investment in modern surveillance systems.

Competitive Landscape

The market remains fragmented, with key players including Axis Communications AB, BAE Systems plc., FLIR Systems, Hikvision Digital Technology Co., L3Harris Technologies, Pelco Corporation, Raytheon Company, and Samsung Group.

Recent developments underscore the innovation race:

Intevac Inc. secured a USD 72.8 million contract with the USA Army for digital night vision cameras.

Thermoteknix Systems Ltd. unveiled the TiCAM 1000C Biocular Target Locator for low-light surveillance.

Thales Group partnered with MKU Ltd. in India to co-develop ELFIE night vision devices for military applications.

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For more on their methodology and market coverage, visit
<https://www.futuremarketinsights.com/about-us>.

Future Outlook for Manufacturers

Manufacturers who align with the shift toward AI-enhanced, cloud-connected, and cost-

optimized solutions will be well-positioned to capture market share. The future of night vision surveillance lies in intelligent, integrated systems capable of proactive threat management—an area where innovation, speed, and adaptability will define market leadership.

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Editor's Note:

This report provides manufacturers with a data-driven roadmap to meet surging global demand for advanced night vision surveillance. By focusing on AI integration, cost efficiency, and real-time analytics, industry leaders can secure long-term growth in a rapidly evolving security landscape.

Rahul Singh

Future Market Insights Inc.

+1 347-918-3531

[email us here](#)

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