

Cooled IR Camera Market: Insights into Emerging Applications and Regional Growth

Global Cooled IR Camera Market to Reach \$736.4 Million by 2026

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EINPresswire.com/ -- Allied Market Research, titled, "[Cooled IR Camera Market](#) by Technology, and End Use: Global Opportunity Analysis and Industry Forecast, 2018–2026," the global cooled IR camera market size was valued at \$242.7 million in 2018, and is projected to reach \$736.4 million by 2026, registering a CAGR of 13.5% from 2019 to 2026.



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Growth in security, surveillance adoption, and infrared cameras in quality control boost cooled IR camera market. High costs hamper. Yet, commercial popularity, SWIR usage offer growth opportunities.”

Allied Market Research

An infrared camera is a non-contact device that detects infrared energy and converts it into an electronic signal, which is then processed to produce a thermal image on the monitor. The heat sensed by infrared cameras is precisely quantified and measured to monitor the thermal performance and to identify heat-related problems. Recent innovations, particularly in the detector technology, and incorporation of built-in visual imaging, along with automatic functionality, and infrared software development, are expected to deliver more cost-effective thermal analysis solutions in the coming years.

Due to their high thermal sensitivity and favorable atmospheric transmission in the spectral zone, infrared cameras based on indium antimonide (InSb) sensors are being used in medium-to long-range surveillance, and for scientific and research requirements where detection of very

small temperature differences or wavelength-specific imaging is beneficial. Various advancements in the production of InSb focal planes are leading towards the adoption of infrared cameras, which provide wide broadband spectra. Indium antimonide sensors require cryogenic cooling to become photoconductive.

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The Cooled IR Camera industry's key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Global Sensor Technology Co., Ltd
Leonardo DRS
Xenics
Hamamatsu Photonics
Lynred
Semiconductor Devices
L3 Technologies
AIM Infrared Module GmbH
FLIR System
Boston Electronics

GLOBAL SENSOR TECHNOLOGY CO., LTD

LEONARDO DRS

XENICS

HAMAMATSU PHOTONICS

LYNRED

SEMICONDUCTOR DEVICES.

L3 TECHNOLOGIES

AIM INFRARED MODULE GMBH

FLIR SYSTEM

BOSTON ELECTRONICS

Cooled IR cameras provide remote access to data and this function is encouraging governments to use these surveillance systems in high-alert spaces such as prisons. This system helps analyze the government functionality of guard staff, ensure the security level of all areas of the jail, and maintain the protocol. Video analytics also helps security departments to identify specific time-period activities. This technology continuously provides both passive and active monitoring. Infrared imaging is used in many defense applications to enable high-resolution vision and identification in darkness. Such enhanced features of cooled IR cameras create lucrative opportunities for this technology for defense & military industry verticals.

In January 2019 FLIR Systems Inc. announced the development of two thermal imaging cameras for the automotive industry. The company also developed its next-generation thermal vision automotive development kit and handheld diagnostic thermal cameras. In addition, cooled IR cameras are also used for armored vehicle retrofits to enhance vehicle survivability. Companies are developing thermal imaging camera solutions for long-range applications for vehicles to increase their operational efficiency and provide optimum day and night vision.

Asia-Pacific is expected to offer lucrative opportunities in the cooled IR camera market. This is due to the increase in the adoption of enhanced technologies in the security system in developing countries such as India, China, and Indonesia. Various product launches and advancements in technologies in the surveillance market are anticipated to offer significant [cooled IR camera market growth](#) opportunities. In addition, growth in the standard of living, rise in per capita income and increase in penetration of technological advancements in surveillance and security systems in Europe are expected to help in cooled IR camera market expansion. For instance, SATIR, a company based in Europe developed an IR automotive camera, which enhances safe driving at night. The camera can be connected to an existing LCD monitor in the vehicle and highlights people or other obstacles on the road.

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Key findings of the report:

- Based on technology, the Indium Antimonide (InSb) segment generated the highest revenue in the global cooled IR camera market in 2018.
- Based on end use, the defense & military segment generated the highest revenue in the [cooled IR camera market share](#) in 2018.

Key highlights:

Allied Market Research is a top provider of market intelligence that offers reports from leading technology publishers. Our in-depth market assessments in our research reports take into account significant technological advancements in the sector. In addition to other areas of expertise, AMR focuses on the analysis of high-tech systems and advanced production systems. We have a team of experts who compile thorough research reports and actively advise leading businesses to enhance their current procedures. Our experts have a wealth of knowledge on the topics they cover. Also, they use a variety of tools and techniques when gathering and analyzing data, including patented data sources.

David Correa
Allied Market Research
+1 800-792-5285
[email us here](#)
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