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Global Shortwave Cooled Infrared Detector Market Growth 2026-2032

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Abstracts

The global Shortwave Cooled Infrared Detector market size is predicted to grow from US$ 256 million in 2025 to US$ 387 million in 2032; it is expected to grow at a CAGR of 6.2% from 2026 to 2032.

The detector works in the short-wave infrared band, which can obtain more radiation energy from the target. In addition, the detection and imaging of near-room temperature targets by short-wave infrared is similar to the reflective imaging of visible light. On the one hand, it has the detail resolution capability that mid- and long-wave infrared detection lacks, and on the other hand, it has the ability to penetrate smoke and image, which is not available in visible light detection.

United States market for Shortwave Cooled Infrared Detector is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Shortwave Cooled Infrared Detector is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Shortwave Cooled Infrared Detector is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Shortwave Cooled Infrared Detector players cover Gaode Infrared, Dali Technology, FLIR Systems, Gaode Smart Sensing, InfiRay, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?Shortwave Cooled Infrared

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Detector Industry Forecast? looks at past sales and reviews total world Shortwave Cooled Infrared Detector sales in 2025, providing a comprehensive analysis by region and market sector of projected Shortwave Cooled Infrared Detector sales for 2026 through 2032. With Shortwave Cooled Infrared Detector sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Shortwave Cooled Infrared Detector industry.

This Insight Report provides a comprehensive analysis of the global Shortwave Cooled Infrared Detector landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Shortwave Cooled Infrared Detector portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Shortwave Cooled Infrared Detector market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Shortwave Cooled Infrared Detector and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Shortwave Cooled Infrared Detector.

This report presents a comprehensive overview, market shares, and growth opportunities of Shortwave Cooled Infrared Detector market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Mercury Cadmium Telluride Infrared Detector

Class ? Superlattice Infrared Detector

Quantum Well Infrared Detector

Quantum Dot Infrared Detector

Segmentation by Application:

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- Military
- Security
- Medical
- Industrial
- Others

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe

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- Germany
- France
- UK
- Italy
- Russia

Middle East & Africa

- Egypt
- South Africa
- Israel
- Turkey
- GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

- Gaode Infrared
- Dali Technology
- FLIR Systems
- Gaode Smart Sensing
- InfiRay
- SAT

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Fluke

Testo

Hubei Jiuzhiyang Infrared System Co., Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Shortwave Cooled Infrared Detector market?
What factors are driving Shortwave Cooled Infrared Detector market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Shortwave Cooled Infrared Detector market opportunities vary by end market size?
How does Shortwave Cooled Infrared Detector break out by Type, by Application?

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