

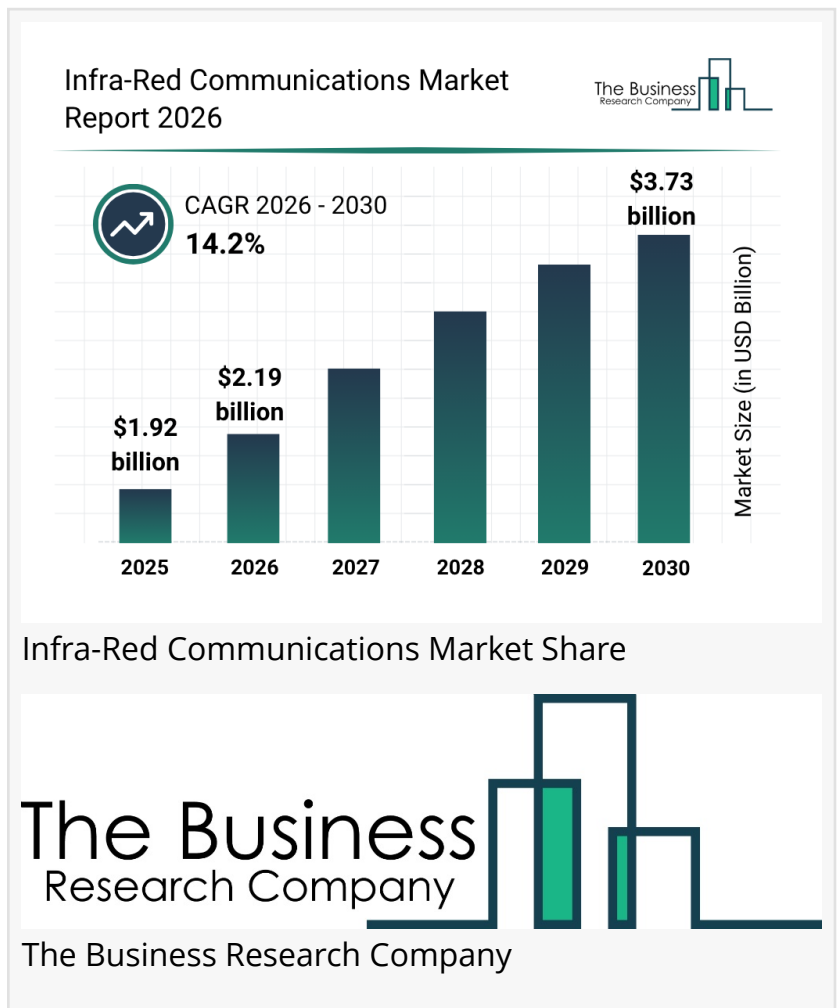
# Infra-Red Communications Market Competitive Landscape Analyzed Across Leading Global Companies

*The Business Research Company's Infra-Red Communications Global Market Report 2026 – Market Size, Trends, And Forecast 2026-2035*

LONDON, GREATER LONDON, UNITED KINGDOM, October 5, 2026

/EINPresswire.com/ -- The [infra-red communications market](#) has been progressing rapidly, driven by technological advancements and increasing demand across various sectors. As this wireless data transmission technology continues to evolve, it is poised for substantial growth in the coming years. Below, we explore the market's size, the key factors propelling its expansion, major industry players, and emerging trends shaping its future.

Projected Growth and Market Size of the Infra-Red Communications Market



The infra-red communications market has witnessed swift expansion recently and is projected to grow from \$1.92 billion in 2025 to \$2.19 billion in 2026, showcasing a compound annual growth rate (CAGR) of 14.0%. This historic growth phase is largely due to the early adoption of remote control technologies, increasing demand for low-cost short-range communication, the rising number of consumer electronics devices, advancements in line-of-sight optical communication, and the growth of industrial automation control systems.

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Looking further ahead, the market is expected to maintain a strong upward trajectory, reaching \$3.73 billion by 2030 with a CAGR of 14.2%. This forecasted increase is fueled by the growing integration of IoT-enabled devices, heightened demand for secure short-range communication, expansion of smart home ecosystems, miniaturization of infrared components, and the development of automotive sensing and control applications. Key trends anticipated in the near future include low power infrared communication modules, smart remote controls with gesture recognition, IR-based IoT device pairing, secure short-range device authentication via infrared, and the use of miniaturized infrared sensors in consumer electronics.

Understanding [Infra-Red Communications Technology](#)

Infra-red communications utilize infrared light waves to send information wirelessly over short distances between devices. The technology functions primarily through line-of-sight or reflective optical signaling, offering secure communication with minimal interference. It provides an effective and affordable method for short-range data transfer in various applications such as control, sensing, and data exchange, without relying on radio frequency signals.

View the full infra-red communications market report:

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Consumer Electronics Production as a Key Market Driver

One of the primary factors boosting the infra-red communications market is the rapid expansion of consumer electronics manufacturing. This sector involves large-scale production of everyday electronic devices like televisions, smartphones, gaming consoles, and smart home gadgets. The surge in consumer electronics manufacturing is attributed to growing global demand for smart, connected, and energy-efficient products, powered by ongoing digitalization and widespread adoption of IoT-enabled home and personal devices.

Infrared communications play a crucial role in this growth by enabling short-range, low-power wireless connectivity in devices such as remote controls and sensors. This enhances device efficiency, functionality, and interoperability across electronic systems. For example, in January 2024, the Consumer Technology Association reported that retail revenues for the U.S. consumer technology industry reached \$512 billion, up from \$505 billion in 2023, illustrating the sector's rapid expansion and its positive impact on the infra-red communications market.

The Role of Industrial Automation in Market Expansion

Another significant driver for the infra-red communications market is the rising adoption of industrial automation. This involves using control systems—such as computers, robots, and IT—to operate industrial processes with minimal human intervention. The increasing shift

toward automation is largely motivated by rising labor costs and the need to enhance efficiency and maintain consistent production quality.

Infra-red communications support industrial automation by facilitating fast, interference-free wireless data exchange between machines, reducing the necessity for extensive cabling, and enabling greater flexibility and real-time process control. For instance, the International Federation of Robotics reported in September 2024 that the global operational stock of industrial robots reached over 4.28 million units, marking a 10% increase year-over-year, with installations surpassing 500,000 units annually for the third consecutive year. This trend underscores the importance of automation in driving demand for infra-red communication technologies.

#### Impact of Automotive Industry Recovery on Market Growth

The recovery and growth of automotive production also contribute significantly to the infra-red communications market's expansion. Automotive production includes manufacturing vehicles such as cars, trucks, and buses along with their components in factories and assembly plants. This sector has rebounded strongly following pandemic disruptions, with factories operating at full capacity to meet rising vehicle demand.

Infra-red communications enhance automotive manufacturing by enabling quick, reliable wireless data transfer between various machines and systems. This reduces wiring complexity and boosts production efficiency, accuracy, and coordination in real time. For example, in March 2024, the European Automobile Manufacturers' Association (ACEA) reported that global car production hit approximately 76 million units in 2023, a 10.2% increase compared to the previous year. This growth in vehicle manufacturing is a key factor supporting the infra-red communications market.

#### Regional Market Leadership and Growth Opportunities

In 2025, North America held the largest market share in the global infra-red communications industry. However, Asia-Pacific is expected to experience the fastest growth over the coming years. The market analysis includes important regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive view of global market trends and opportunities.

What's included in our 2026 market reports:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards
- Market hotspots infographics
- Key technologies and future trend analysis
- Updated graphics and tables

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