

Nanophotonics Global Market 2024 To Reach \$97.88 Billion By 2028 At Rate Of 30.6%

*The Business Research Company's
Nanophotonics Global Market Report
2024 – Market Size, Trends, And Global
Forecast 2024-2033*

LONDON, GREATER LONDON, UK,
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EINPresswire.com/ -- The global
nanophotonics market has

experienced exponential growth in

recent years, expanding from \$25.07 billion in 2023 to an anticipated \$33.66 billion in 2024 at an impressive compound annual growth rate (CAGR) of 34.2%. This surge is largely attributed to the increasing demand for consumer electronics, growth in the healthcare sector, increased data traffic, the rise of autonomous vehicles, and overall economic expansion. Looking forward, the



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market is expected to continue its robust growth, reaching \$97.88 billion by 2028 with a CAGR of 30.6%, driven by the rising IT and telecommunications industry, demand for high-speed data transfer, growth in the defense sector, increased research and development, and rising disposable income.

Nanophotonics Market Growth Fueled by Rising Demand
for Consumer Electronics

The increasing demand for consumer electronics is a key driver of the nanophotonics market. Consumer electronics, which include devices and gadgets primarily designed for personal use, benefit significantly from nanophotonics technology. This technology, which manipulates light at the nanoscale, allows for the creation of smaller, faster, and more energy-efficient components essential for modern electronic devices. For instance, according to Deloitte Insights Magazine, the global sales of consumer electronics like computers and TV sets have grown much faster than smartphones in the past three years, driven by COVID-19 restrictions that increased the time spent working and learning from home. This rising demand for consumer electronics is expected to drive further growth in the nanophotonics market.

Explore comprehensive insights into the global nanophotonics market with a detailed sample



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Nanophotonics Global Market Report 2024 : Market
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report:

https://www.thebusinessresearchcompany.com/sample_request?id=6111&type=smp

Major Players and Market Trends

Leading companies in the nanophotonics market include Carbon Solutions Inc., Cambrios Technologies Corporation, Catalytic Materials, Cnano Technology, Cree Inc., LG Display Co. Ltd., Nanocs Inc., Nanocyl S.A., and many others. These companies are at the forefront of innovation, focusing on developing new nanophotonic-enabled products such as LEDs, OLEDs, and optical switches, which are finding applications in biotechnology, nanomedicine, and optical diagnostics. For example, Thorlabs Inc. has recently expanded its SPDC810 product line, catering to the growing quantum photonics field. The integration of quantum technologies and the development of nanophotonic sensors and detectors are among the major trends expected to shape the market in the coming years.

Segments:

- Product: LED, OLED, NFO, Photovoltaic cells, Optical Amplifier, Optical Switches, Holographic Data Storage System
- Material: Quantum Dots, Photonic Crystals, Plasmonic, Nanotubes, Nanoribbons
- Application: Telecommunications, Entertainment, Consumer Electronics, Indicator And Signs, Lighting, Non-Visual Applications, Other Applications

Geographical Insights: Asia-Pacific Leading the Market

Asia-Pacific was the largest region in the nanophotonics market in 2023, with North America expected to be the fastest-growing region during the forecast period. The regional dynamics, along with detailed market trends and growth opportunities, are comprehensively covered in the report.

Access the complete report for an in-depth analysis of the global nanophotonics market:

<https://www.thebusinessresearchcompany.com/report/nanophotonics-global-market-report>

[Nanophotonics Global Market Report 2024](#) from The Business Research Company covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Nanophotonics Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on [nanophotonics market size](#), nanophotonics market drivers and trends, nanophotonics market major players, nanophotonics competitors' revenues, nanophotonics market positioning, and nanophotonics market growth across

geographies. The nanophotonics market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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The Business Research Company has published over 15000+ reports in 27 industries, spanning 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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