

Global 940nm Narrowband Filter Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global 940nm Narrowband Filter market size is expected to reach \$ 327 million by 2032, rising at a market growth of 6.1% CAGR during the forecast period (2026-2032). A 940nm narrowband filter is an optical component that allows only infrared light with a wavelength of 940 nanometers to pass through, while blocking or reflecting all other wavelengths of light (such as visible light from sunlight). It achieves this through multiple layers of precision optical coatings, resulting in a very narrow passband and requiring advanced technology.

The upstream supply chain involves high-purity optical glass substrates and high/low refractive index coating materials. The core barrier to entry lies in high-end vacuum ion sputtering coating equipment, which directly determines the uniformity and temperature stability of the film layers.

In 2025, global sales are projected to be approximately 44.13 million units, with an average market price of approximately US\$4.8 per unit. The industry's gross profit margin is in the range of 20%-35%.

This report studies the global 940nm Narrowband Filter production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 940nm Narrowband Filter and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of 940nm Narrowband Filter that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 940nm Narrowband Filter total production and demand, 2021-2032, (K Pcs)

Global 940nm Narrowband Filter total production value, 2021-2032, (USD Million)

Global 940nm Narrowband Filter production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs), (based on production site)

Global 940nm Narrowband Filter consumption by region & country, CAGR, 2021-2032 & (K Pcs)

U.S. VS China: 940nm Narrowband Filter domestic production, consumption, key domestic manufacturers and share

Global 940nm Narrowband Filter production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Pcs)

Global 940nm Narrowband Filter production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

Global 940nm Narrowband Filter production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

This report profiles key players in the global 940nm Narrowband Filter market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include OPTRONTEC, Tanaka Engineering, Alluxa, IDEX, Andover, Knight Optical, Chroma Technology, Crystal-Optech, Hubei Wufang Photoelectric, Hubei DOTI Micro Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World 940nm Narrowband Filter market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Pcs) and average price (US\$/Pcs) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global 940nm Narrowband Filter Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global 940nm Narrowband Filter Market, Segmentation by Type:

Transmittance >90%

Transmittance >97%

Other

Global 940nm Narrowband Filter Market, Segmentation by Diameter:

10mm

12.5mm

25mm

Other

Global 940nm Narrowband Filter Market, Segmentation by Application:

Medical

Security

Optics

Industrial

Automotive

Other

Companies Profiled:

OPTRONTEC

Tanaka Engineering

Alluxa

IDEX

Andover

Knight Optical

Chroma Technology

Crystal-Optech

Hubei Wufang Photoelectric

Hubei DOTI Micro Technology

Key Questions Answered:

1. How big is the global 940nm Narrowband Filter market?
2. What is the demand of the global 940nm Narrowband Filter market?
3. What is the year over year growth of the global 940nm Narrowband Filter market?
4. What is the production and production value of the global 940nm Narrowband Filter market?
5. Who are the key producers in the global 940nm Narrowband Filter market?
6. What are the growth factors driving the market demand?

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