

# 2018-2023 Global Fiber Optic Product for Imaging Consumption Market Report

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## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Fiber Optic Product for Imaging market for 2018-2023.

This report studies the Fiber Optic Product for imaging market. Fiber Optic Product for Imaging discussed in this report, are fused fiber optics-based products, including fiber optics faceplates, fiber optic tapers, etc., are mainly used for military night vision, medical and dental areas, scientific and commercial applications.

Fiber Optic Tapers utilize a coherent fiber optic plate that transmits either a magnified or reduced image from its input surface to its output surface. These low distortion tapers are made with EMA Fibers to absorb light and are optimized for 1/2" or 2/3" sensor chip sizes. Magnification is a ratio of the diameters of the large and small ends of the tapers. Typical applications include image magnification or reduction, sensor coupling, fluoroscopy, and light sensors.

Fiber Optic Faceplates transmit images from input surface to output surface using coherent fibers. Common uses include CRT/LCD displays, sensor coupling, X-ray imaging and image intensification. All tapers and faceplates are suitable for visible and NIR applications and feature beveled edges.

Fiber Optic Image Conduits transmit images from one polished face to the other and can be used straight or bent to fit space requirements without loss of light transmission. China is one of the largest manufacturing bases of fiber optic product for imaging industry, over 39% of fiber optic product for imaging are manufactured in this region. Due to large capital expenditure in R&D and equipment and cheaper labor, as well as tremendous downstream demand and potential, capacity and production is rising significantly.

Besides China, USA is the second largest consumption market in terms of volume, and largest market in terms of value.

Leading manufacturers are Incom, Schott, Hamamatsu, Honsun, North Night Vision, etc. Concentration rate of top 5 is 82.7% in 2017, compare to 83.1% in 2013.

Over the next five years, LPI(LP Information) projects that Fiber Optic Product for Imaging will register a 2.1% CAGR in terms of revenue, reach US\$ 320 million by 2023, from US\$ 280 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Fiber Optic Product for Imaging market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Fiber Optic Faceplate

Fiber Optic Taper

Others

Segmentation by application:

Night Vision Application

Medical and Dental Application

Commercial and Industrial Application

Scientific Application

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Incom

Schott

CeramOptec

Hamamatsu Photonics

Honsun

North Night Vision

Changcheng Microlight

China Opto-Electro

Nanjing Weston

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

## RESEARCH OBJECTIVES

To study and analyze the global Fiber Optic Product for Imaging consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Fiber Optic Product for Imaging market by identifying its various subsegments.

Focuses on the key global Fiber Optic Product for Imaging manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Fiber Optic Product for Imaging with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Fiber Optic Product for Imaging submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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