

Camera Lens Market Report by Type (Built-in Lens, Interchangeable Lens), Distribution Channel (Online, Offline), Application (Consumer Electronics, Automotive, Medical, and Others), and Region 2024-2032

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Abstracts

The global camera lens market size reached US\$ 5.3 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 8.3 Billion by 2032, exhibiting a growth rate (CAGR) of 5.1% during 2024-2032. The rising popularity of photography among individuals, various advancements in digital camera technology, the increasing adoption of smartphones with advanced camera systems, and expanding professional photography and videography industries are some of the major factors propelling the market.

A camera lens is a specialized optical component designed to capture and focus light onto a camera's image sensor or film plane. It is a critical part of a camera system that plays a significant role in determining the quality, composition, and characteristics of the photographs or videos captured. These lenses comprise multiple glass or plastic elements arranged in a specific configuration. They work together to control the way light enters the camera, refracting and focusing it onto the camera's sensor or film. In addition, they are available in various types and designs to suit different photography needs and genres.

The increasing utilization of high-performance camera lenses in the automobile industry for rearview optics, backup camera systems, heads-up displays (HUDs), and location-sensing devices. In addition, the escalating demand for specialized lenses catering to niche photography genres such as wildlife, astrophotography, macro, and sports represents another major growth-inducing factor. These lenses offer unique features,

such as long focal lengths, wide apertures, and image stabilization, enabling photographers to capture subjects that require specific techniques and equipment. Besides this, as disposable income rises in many regions, consumers are more willing to invest in high-quality camera equipment, including lenses. Moreover, the growth of online retail and e-commerce platforms has made it easier for consumers to access a wide variety of camera lenses. These platforms offer extensive product information, customer reviews, and competitive pricing, enabling consumers to make informed purchase decisions conveniently, which is positively influencing the market growth.

Camera Lens Market Trends/Drivers:

The rising popularity of photography among individuals

As more individuals develop an interest in photography, there is a corresponding increase in the demand for camera lenses. People who engage in photography as a hobby or passion often seek to expand their creative capabilities and achieve better image quality. This drives them to invest in additional lenses beyond the standard kit lens that comes with their camera, leading to increased sales in the camera lens market. Moreover, social media platforms have played a significant role in popularizing photography and driving interest in visual storytelling. Platforms like Instagram, Facebook, and Flickr have created communities where photographers can showcase their work, exchange ideas, and inspire others. The desire to create visually appealing content for social media platforms has led individuals to invest in higher-quality camera equipment, including lenses, to improve the aesthetics of their photographs and stand out in the competitive online space.

The expanding professional photography and videography industries

Professional photographers and videographers require high-quality lenses that can deliver superior image quality, precise focusing, and exceptional performance in various shooting conditions. As the professional photography and videography industries expand, there is a growing demand for lenses that meet the rigorous standards of these professionals. Moreover, the professional photography and videography industries encompass a wide range of specialized applications, such as wedding photography, fashion photography, sports photography, wildlife photography, documentary filmmaking, and more. As a result, each of these fields requires specific lenses designed to meet the unique demands and challenges of the genre, which is also contributing to market growth.

The increasing adoption of smartphones with advanced camera systems

Smartphones have become the primary cameras for many individuals due to their convenience, portability, and continuous improvements in camera technology. This has led to a surge in demand for smartphone camera lenses that can enhance the capabilities of smartphone cameras and offer additional creative options. Besides, users often turn to accessory lenses to enhance the versatility and capabilities of smartphone cameras. These attachable lenses, also known as clip-on or lens attachments, can be easily mounted over the smartphone camera lens, expanding the range of focal lengths, providing wide-angle or telephoto options, or enabling macro photography. Moreover, smartphone manufacturers are continuously improving the camera capabilities of their devices, introducing advanced features like multiple lenses, larger sensors, optical image stabilization, and computational photography. These factors collectively influence the demand for camera lenses.

Camera Lens Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global camera lens market report, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on type, distribution channel, and application.

Breakup by Type:

- Built-in Lens
- Interchangeable Lens
- Prime Lens
- Wide Angle Lens
- Mid-Range Lens
- Telephoto Lens
- Others

The report has provided a detailed breakup and analysis of the camera lens market based on the type. This includes built-in lens and interchangeable lens (prime, wide angle, mid-range, telephoto, and other lenses).

Smartphones have revolutionized the camera industry, and their built-in lenses have become immensely popular. As smartphones continue to improve their camera capabilities, including the integration of multiple lenses, larger sensors, and advanced computational photography features, they have become the primary cameras for many users. This has led to a substantial market share for built-in lenses, driven by the

widespread adoption of smartphones. Moreover, some camera systems, such as advanced compact cameras and bridge cameras, feature non-interchangeable lenses that are integrated into the camera body, which is increasing the adoption of built in lenses.

DSLRs and mirrorless cameras are popular among photography enthusiasts, professionals, and those who prioritize the ability to change lenses. These camera systems offer a wide range of lens options and provide greater control over image quality, depth of field, and creative possibilities. The interchangeable lens market is dominant within these camera systems, accounting for a significant share due to the inherent flexibility and versatility they offer.

Breakup by Distribution Channel:

Online

Offline

Offline holds the largest share in the camera lens market

A detailed breakup and analysis of the camera lens market based on the distribution channel has also been provided in the report. This includes online and offline. According to the report, offline accounted for the largest market share.

Camera lenses are considered a significant investment for many photographers and videographers. Offline retail allows customers to have a hands-on experience with the lenses, physically trying them on cameras, and assessing the build quality, ergonomics, and features. Customers often prefer to compare different lenses side by side and seek guidance from knowledgeable sales staff, which can be valuable in making informed purchase decisions. Camera lenses often require additional accessories such as lens filters, lens hoods, lens caps, and other attachments to enhance their functionality and protect the investment. Offline retailers generally offer a wider range of accessories and add-ons, providing customers with a convenient one-stop shopping experience.

Online shopping offers convenience, allowing customers to browse, compare, and purchase camera lenses from the comfort of their homes. These platforms provide easy access to a wide range of camera lenses, including those from various manufacturers and third-party sellers, owing to which consumers are widely preferring online channel to make their purchase.

Breakup by Application:

Consumer Electronics

Mobile

AR/VR/MR

Others

Automotive

Medical

Others

Consumer electronics represent the leading application segment

A detailed breakup and analysis of the camera lens market based on the application has also been provided in the report. This includes consumer electronics (mobile, AR/VR/MR, and others), automotive, medical, and others. According to the report, offline accounted for the largest market share.

Consumer electronics, such as smartphones, digital cameras, and action cameras, have been driving the demand for camera lenses. With the increasing popularity of social media and the rise of smartphone photography, there has been a growing demand for high-quality camera lenses in these devices. Moreover, smartphone manufacturers have been investing in improving camera capabilities, including lenses, to meet consumer expectations for better image quality. Additionally, digital cameras and action cameras have also contributed to the demand for camera lenses in this segment. These devices are widely used by photography enthusiasts, travelers, and sports enthusiasts who require high-performance lenses for capturing professional-quality photos and videos.

However, high-performance camera lenses are also widely used in the automobile industry for rearview optics, backup camera systems, heads-up displays (HUDs), and location-sensing devices.

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Asia Pacific exhibits a clear dominance, accounting for the largest camera lens market share

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific was the largest market for camera lens.

Asia Pacific, particularly countries like China, Japan, South Korea, and Taiwan, has established itself as a major manufacturing hub for consumer electronics, including cameras and camera lenses. These countries have a strong presence of camera and lens manufacturers, which contributes to the region's market dominance. Moreover, the rapid urbanization in countries like China and India, coupled with the expanding middle class, has led to increased consumer spending on electronics and gadgets. As people in the region embrace photography as a hobby and pursue high-quality imaging products, the demand for camera lenses has surged.

Besides, the region is home to several leading camera and lens manufacturers that continuously invest in research and development (R&D) activities to introduce new and innovative products. This technological leadership, coupled with efficient production capabilities, has contributed to the region's dominance in the camera lens market.

Competitive Landscape:

The camera lens market has a dynamic competitive landscape with several key players competing for market share. Presently, various key market players are introducing mirrorless cameras with advanced features to achieve higher product differentiation. They are also developing lenses with a wide aperture for product or portrait photography. Besides this, the leading players are launching video-oriented lenses specifically tailored for video shooting, with features like smooth aperture control, silent autofocus, and minimized focus breathing. They are also collaborating with other companies to develop advanced high-quality lenses. Moreover, these players are engaging in mergers and acquisitions (M&As) and strategic alliances with various camera manufacturers to expand their market presence and offer lenses compatible with different camera systems.

The report has provided a comprehensive analysis of the competitive landscape in the global camera lens market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

AAC Technologies Holdings Inc.
Ability Opto-Electronics Technology Co. Ltd.
Canon Inc.
FUJIFILM Corporation
Genius Electronic Optical Co. Ltd.
Haesung Optics Co. Ltd.
Largan Precision Co. Ltd.
Nikon Corporation
Panasonic Corporation
Samsung Electronics Co. Ltd.
SEKONIX Co. Ltd.
Sony Corporation
TAMRON Co. Ltd.

Recent Developments:

Canon Inc. launched the RF mount system, designed for its full-frame mirrorless cameras. This new mount system allowed Canon to introduce a range of high-

performance lenses specifically designed for its mirrorless cameras, offering improved optical performance and advanced features.

TAMRON Co. Ltd released compact telephoto lenses with advanced features, such as image stabilization and fast autofocus. These lenses aimed to provide photographers with a lightweight and portable solution without compromising on optical performance.

Fujifilm Corporation continued to expand its lens lineup for its X-series mirrorless cameras. They introduced lenses with varying focal lengths and aperture ranges to meet the demands of different photography genres.

Key Questions Answered in This Report

1. What was the size of the global camera lens market in 2023?
2. What is the expected growth rate of the global camera lens market during 2024-2032?
3. What are the key factors driving the global camera lens market?
4. What has been the impact of COVID-19 on the global camera lens market?
5. What is the breakup of the global camera lens market based on the distribution channel?
6. What is the breakup of the global camera lens market based on the application?
7. What are the key regions in the global camera lens market?
8. Who are the key players/companies in the global camera lens market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL CAMERA LENS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Built-in Lens
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Interchangeable Lens
 - 6.2.1 Market Trends
 - 6.2.2 Key Segments
 - 6.2.2.1 Prime Lens

- 6.2.2.2 Wide Angle Lens
- 6.2.2.3 Mid-Range Lens
- 6.2.2.4 Telephoto Lens
- 6.2.2.5 Others
- 6.2.3 Market Forecast

7 MARKET BREAKUP BY DISTRIBUTION CHANNEL

- 7.1 Online
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Offline
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Consumer Electronics
 - 8.1.1 Market Trends
 - 8.1.2 Key Segments
 - 8.1.2.1 Mobile
 - 8.1.2.2 AR/VR/MR
 - 8.1.2.3 Others
 - 8.1.3 Market Forecast
- 8.2 Automotive
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Medical
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Others
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends

- 9.1.1.2 Market Forecast
- 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 AAC Technologies Holdings Inc.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.2 Ability Opto-Electronics Technology Co. Ltd.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.3 Canon Inc.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 FUJIFILM Corporation
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
 - 14.3.5 Genius Electronic Optical Co. Ltd.
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.6 Haesung Optics Co. Ltd.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.7 Largan Precision Co. Ltd.
 - 14.3.7.1 Company Overview

- 14.3.7.2 Product Portfolio
- 14.3.7.3 Financials
- 14.3.7.4 SWOT Analysis
- 14.3.8 Nikon Corporation
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
 - 14.3.8.4 SWOT Analysis
- 14.3.9 Panasonic Corporation
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 Samsung Electronics Co. Ltd.
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 SEKONIX Co. Ltd.
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
- 14.3.12 Sony Corporation
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
 - 14.3.12.3 Financials
 - 14.3.12.4 SWOT Analysis
- 14.3.13 TAMRON Co. Ltd.
 - 14.3.13.1 Company Overview
 - 14.3.13.2 Product Portfolio
 - 14.3.13.3 Financials

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