

Global Computational Photography Market Size study, By Offering (Camera Modules, Software), By Type (Single- and Dual-Lens, 16-Lens, Others), By Product (Smartphone Cameras, Standalone Cameras, Machine Vision Cameras), By Application (3D Imaging, AR, VR, MR), and Regional Forecasts 2022-2028

<https://marketpublishers.com/r/G9A267C34011EN.html>

Date: September 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G9A267C34011EN

Abstracts

Global Computational Photography Market is valued at approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. Computational photography is a technique of digital image capture and processing that utilizes digital computation. Computational photography is gaining high traction in digital cameras and smartphones, automating several settings that enable better point-and-shoot technology. The surging demand for high-resolution still cameras, rising adoption of computational photography in smartphone cameras, coupled with rising advancement in sensor image resolution are the several prominent factors burgeoning the global market growth. For instance, as per the Statista analysis, the sale of smartphones worldwide reached 1535.36 million units in the year 2021 from 1378.72 million units in 2020. Consequentially, the increasing demand for smartphones is exhibiting a positive influence on the growth of the market across the globe. However, the high maintenance and manufacturing costs of computational camera modules and the growing emphasis on miniaturization of image sensor chips impede the growth of the market over the forecast period of 2022-2028. Also, the increasing use of displays with 4k resolution standards and growing demand for superior vision technology in the computer vision industry are anticipated to act as catalyzing factors for the market demand during the forecast period.

The key regions considered for the global Computational Photography Market study

include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the rapid advancements in AI-based cameras with powerful chipsets and processors, along with surging demand for superior vision technology. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the growing presence of leading market players, as well as growth of the emerging markets, would create lucrative growth prospects for the Computational Photography Market across the Asia-Pacific region.

Major market players included in this report are:

Apple
Samsung
Nvidia
Qualcomm
Adobe
Nikon
Sony
LG
Light
Canon

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Offering:

Camera Modules
Software

By Type:

Single- and Dual-Lens
16-Lens
Others

By Product:

Smartphone Cameras

Standalone Cameras

Machine Vision Cameras

By Application:

3D Imaging

AR

VR

MR

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Computational Photography Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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