

# Global Image Processing Components Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Image Processing Components market size is expected to reach \$ 614.8 million by 2029, rising at a market growth of 5.5% CAGR during the forecast period (2023-2029).

Throughout the history of manufacturing, there has been a need for systems that can be automated without human intervention, and this has developed in the field of factory automation (FA) (automation of production processes). In recent years, with the huge advancements in image processing technology, the role of these systems has become increasingly important, not only in replacing workers with machines, but also in production control systems to improve productivity and quality and reduce costs. Image processing systems that combine cameras and sensors with image processing equipment play a central role in this process. Due to the global labor shortage and the growing demand for food and other product safety, inspection systems that combine labor-saving systems with image processing systems are becoming increasingly important in automotive, food, pharmaceutical and cosmetics-related fields. In addition, further improvements in image processing and sensor technology have expanded the scope of inspection capabilities, and the visual inspection business combining image processing systems and deep learning is booming. One of the areas of focus for the future is utilizing smartphone image sensors. By adding accessories and apps, smartphones can easily be used as image processing devices to read barcodes and check text. Since they can be easily integrated with e-commerce, they have expanded not only into manufacturing but also into logistics and retail.

An Image Processing Component is a device that processes images taken by a camera or other device to measure and analyze the characteristics of an object based on the images. Such image processing is performed on a computer, and the results of the

analysis can be reflected in other equipment

This report studies the global Image Processing Components production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Image Processing Components, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Image Processing Components that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Image Processing Components total production and demand, 2018-2029, (K Units)

Global Image Processing Components total production value, 2018-2029, (USD Million)

Global Image Processing Components production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Image Processing Components consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Image Processing Components domestic production, consumption, key domestic manufacturers and share

Global Image Processing Components production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Image Processing Components production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Image Processing Components production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Image Processing Components 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 Cognex Corporation, Pepperl+Fuchs Inc, Broadcom, NXP Semiconductors, Festo Corporation, Omron, Datalogic, Senswork and Mesolt Engineering, 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 Image Processing Components market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Image Processing Components Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Image Processing Components Market, Segmentation by Type

Lighting

Lens

Image Sensor

Image Processing Unit

Others

### Global Image Processing Components Market, Segmentation by Application

Logistics

Medical

Manufacturing

Automotive

Others

### Companies Profiled:

Cognex Corporation

Pepperl+Fuchs Inc

Broadcom

NXP Semiconductors

Festo Corporation

Omron

Datalogic

Senswork

Mesolt Engineering

Matrox Imaging

Basler AG

### Key Questions Answered

1. How big is the global Image Processing Components market?
2. What is the demand of the global Image Processing Components market?
3. What is the year over year growth of the global Image Processing Components market?
4. What is the production and production value of the global Image Processing Components market?
5. Who are the key producers in the global Image Processing Components market?

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