

Liquid Crystal Spatial Light Modulators Market, Global Outlook and Forecast 2022-2028

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Abstracts

Liquid crystal on silicon (LCOS) technology has been developed for many years for image and video display applications. This technology combines the unique light-modulating properties of liquid crystal (LC) materials and the advantages of high-performance silicon complementary metal oxide semiconductor (CMOS) technology through dedicated LCOS assembly processes. Unlike the conventional LC flat panel displays, an LCOS device can be either transmissive or reflective and can be used to alter the polarization or the phase of an incident light beam utilizing the electrically modulated optical properties of LCs. Such devices are usually called LCOS spatial light modulators (SLMs) or liquid crystal spatial light modulators (SLMs).

This report contains market size and forecasts of Liquid Crystal Spatial Light Modulators in global, including the following market information:

Global Liquid Crystal Spatial Light Modulators Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Liquid Crystal Spatial Light Modulators Market Sales, 2017-2022, 2023-2028, (Units)

Global top five Liquid Crystal Spatial Light Modulators companies in 2021 (%)

The global Liquid Crystal Spatial Light Modulators market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$

Million by 2028.

Reflective Spatial Light Modulators Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Liquid Crystal Spatial Light Modulators include Hamamatsu Photonics, HOLOEYE Photonics, Meadowlark Optics, Santec Corporation, Jenoptik, Forth Dimension Displays (Kopin), Jasper Display Corp., Thorlabs and UPO Labs and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Liquid Crystal Spatial Light Modulators manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Liquid Crystal Spatial Light Modulators Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Liquid Crystal Spatial Light Modulators Market Segment Percentages, by Type, 2021 (%)

Reflective Spatial Light Modulators

Transmissive Spatial Light Modulators

Global Liquid Crystal Spatial Light Modulators Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Liquid Crystal Spatial Light Modulators Market Segment Percentages, by Application, 2021 (%)

Beam Shaping (Pulse Shaping)

Optics Application

Laser Material Processing

Holography

Others

Global Liquid Crystal Spatial Light Modulators Market, By Region and Country,
2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Liquid Crystal Spatial Light Modulators Market Segment Percentages, By Region
and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Liquid Crystal Spatial Light Modulators revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Liquid Crystal Spatial Light Modulators revenues share in global market, 2021 (%)

Key companies Liquid Crystal Spatial Light Modulators sales in global market, 2017-2022 (Estimated), (Units)

Key companies Liquid Crystal Spatial Light Modulators sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Hamamatsu Photonics

HOLOEYE Photonics

Meadowlark Optics

Santec Corporation

Jenoptik

Forth Dimension Displays (Kopin)

Jasper Display Corp.

Thorlabs

UPOLabs

CAS Microstar

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