

# Liquid Crystal on Silicon (LCoS) - Global Market Outlook (2017-2023)

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## Abstracts

According to Statistics MRC, the Global Liquid Crystal on Silicon (LCoS) Market is accounted for \$0.86 billion in 2016 and is expected to reach \$4.55 billion by 2023 growing at a CAGR of 26.8% during the forecast period. Open technology platform, compatibility with a large variety of products and superiority in terms of challenging technology are the key driving factors for the growth of the market. However, LCoS-based displays are more costly is hampering the market growth. Huge requirement for projectors throughout sports events and increasing need for large resolution display are provides ample opportunities for the market.

LCOS (Liquid Crystal on Silicon) is a reflective microdisplay technology based on a single crystal silicon pixel controller backplane which drives a liquid crystal layer. Liquid crystal materials can be preferred to modulate illumination sources from the UV through far IR. The New LCOS designs have decreased power consumption to build portable displays and viewing elements extra feasible. LCoS is utilized in various industries like entertainment, medical, defense, automation etc.

North America holds the largest share in Liquid Crystal on Silicon (LCoS) Market. Asia Pacific is anticipated to grow at a faster pace during the forecast period due to rising demand for consumer electronics and huge expansion of projector market in this region.

Some of the key players in Liquid Crystal on Silicon (LCoS) Market include JVCKenwood Corp., The 3M Company, Canon Inc., Pioneer Corporation, HOLOEYE Systems, Inc., MicroVision, Inc., Sony Corporation, Syndiant Inc., LG Electronics Inc., Himax Display Inc., Barco NV, Citizen Finetech Miyota Co., Ltd., Hitachi, Ltd., Guangzhou Weijie Electronic Technology Co., Shenzhen Coolux Science and Technology Co., Ltd, and Siliconmicrodisplay Inc.

**Technologies Covered:**

Nematics LCOS (NLC)

Ferroelectrics (F-LCOS)

Wavelength Selective Switching (WSS)

**Products Covered:**

Head-Up Display (HUD)

Projectors

Head-Mount Display (HMD)

Other Products

**Applications Covered:**

Consumer Electronics

Aviation

Optical 3D Measurement

Automotive

Military

Medical

Other Applications

**Design Types Covered:**

One Panel Design

Three Panel Design

Architectures Covered:

Color Filter Liquid Crystal on Silicon (LCOS)

Color Sequential LCOS

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

U.K

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

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**Note:** Tables for North America, Europe, APAC, South America and Middle East & Africa Regions are also represented in the same manner as above

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