

Single-Photon Avalanche Photodiode (SPAD) Market, Global Outlook and Forecast 2022-2028

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Abstracts

Single-photon avalanche diode (SPAD) is a solid-state photodetector within the same family as photodiodes and avalanche photodiodes (APDs), while also being fundamentally linked with basic diode behaviours. As with photodiodes and APDs, a SPAD is based around a semi-conductor p-n junction that can be illuminated with ionizing radiation such as gamma, x-rays, beta and alpha particles along with a wide portion of the electromagnetic spectrum from ultraviolet (UV) through the visible wavelengths and into the infrared (IR).

This report contains market size and forecasts of Single-Photon Avalanche Photodiode (SPAD) in global, including the following market information:

Global Single-Photon Avalanche Photodiode (SPAD) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Single-Photon Avalanche Photodiode (SPAD) Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Single-Photon Avalanche Photodiode (SPAD) companies in 2021 (%)

The global Single-Photon Avalanche Photodiode (SPAD) 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.

1064nm Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Single-Photon Avalanche Photodiode (SPAD) include Ketek, ON Semiconductor, Hamamatsu, Canon, STMicroelectronics, Sony, Tower Semiconductor, Micro Photon Devices and AMS, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Single-Photon Avalanche Photodiode (SPAD) 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 Single-Photon Avalanche Photodiode (SPAD) Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Single-Photon Avalanche Photodiode (SPAD) Market Segment Percentages, by Type, 2021 (%)

1064nm

1550nm

Others

Global Single-Photon Avalanche Photodiode (SPAD) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Single-Photon Avalanche Photodiode (SPAD) Market Segment Percentages, by Application, 2021 (%)

LiDAR

Optical Tomography

Quantum Computing

Other Single Photon Detection

Global Single-Photon Avalanche Photodiode (SPAD) Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Single-Photon Avalanche Photodiode (SPAD) 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 Single-Photon Avalanche Photodiode (SPAD) revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Single-Photon Avalanche Photodiode (SPAD) revenues share in global market, 2021 (%)

Key companies Single-Photon Avalanche Photodiode (SPAD) sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Single-Photon Avalanche Photodiode (SPAD) sales share in global market, 2021 (%)

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

Ketek

ON Semiconductor

Hamamatsu

Canon

STMicroelectronics

Sony

Tower Semiconductor

Micro Photon Devices

AMS

Phillips

IDQuantique

Laser Components

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