

Global Single Photon Avalanche Photodiode (SPAD) Competitive Landscape Professional Research Report 2025

<https://marketpublishers.com/r/S5DE7A924666EN.html>

Date: June 2025

Pages: 165

Price: US\$ 3,500.00 (Single User License)

ID: S5DE7A924666EN

Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Single Photon Avalanche Photodiode (SPAD) market size will reach 703.80 Million USD in 2025 and is projected to reach 2,358.84 Million USD by 2032, with a CAGR of 18.86% (2025-2032). Notably, the China Single Photon Avalanche Photodiode (SPAD) market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

A single photon avalanche photodiode (SPAD) is a highly sensitive semiconductor device designed to detect individual photons of light. It operates in a manner similar to traditional photodiodes but is optimized for detecting extremely low levels of light, down to the level of single photons. SPADs utilize a reverse-biased p-n junction that, when biased above its breakdown voltage, enters a high-gain avalanche multiplication mode in response to the absorption of a single photon. This avalanche process generates a detectable electrical signal, allowing the SPAD to count and measure individual photons with high temporal resolution and sensitivity. SPADs find applications in various fields, including quantum cryptography, quantum communication, fluorescence lifetime imaging microscopy (FLIM), lidar systems, and low-light imaging, where precise detection of single photons is crucial for achieving high-performance sensing and imaging capabilities.

The major global manufacturers of Single Photon Avalanche Photodiode (SPAD)

include Hamamatsu, STMicroelectronics, ON Semiconductor, Laser Components, Micro Photon Devices, Sony Semiconductor, Canon, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Single Photon Avalanche Photodiode (SPAD). Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Single Photon Avalanche Photodiode (SPAD) market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Single Photon Avalanche Photodiode (SPAD) market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Single Photon Avalanche Photodiode (SPAD) industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Single Photon Avalanche Photodiode (SPAD) Include:

Hamamatsu

STMicroelectronics

ON Semiconductor

Laser Components

Micro Photon Devices

Sony Semiconductor

Canon

Single Photon Avalanche Photodiode (SPAD) Product Segment Include:

300nm~1100nm

1100nm~1600nm

1600nm~1700nm

Single Photon Avalanche Photodiode (SPAD) Product Application Include:

LIDAR (3D Ranging and Sensing)

Medical Imaging

Fluorescence Lifetime and Photocorrelation and Ultrasensitive Spectroscopy

Other Single Photon Detection

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Single Photon Avalanche Photodiode (SPAD) Industry PESTEL Analysis

Chapter 3: Global Single Photon Avalanche Photodiode (SPAD) Industry Porter's Five Forces Analysis

Chapter 4: Global Single Photon Avalanche Photodiode (SPAD) Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 5: Global Single Photon Avalanche Photodiode (SPAD) Market Size and Forecast by Type and Application Analysis

Chapter 6: North America Single Photon Avalanche Photodiode (SPAD) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 7: Europe Single Photon Avalanche Photodiode (SPAD) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: China Single Photon Avalanche Photodiode (SPAD) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: APAC (Excl. China) Single Photon Avalanche Photodiode (SPAD) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: Latin America Single Photon Avalanche Photodiode (SPAD) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Middle East and Africa Single Photon Avalanche Photodiode (SPAD) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Global Single Photon Avalanche Photodiode (SPAD) Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and

Industry Concentration)

Chapter 13: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 14: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 15: Research Findings and Conclusion

Chapter 16: Methodology and Data Sources

Contents

1 SINGLE PHOTON AVALANCHE PHOTODIODE (SPAD) MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Single Photon Avalanche Photodiode (SPAD) Product by Type
 - 1.2.1 300nm~1100nm
 - 1.2.2 1100nm~1600nm
 - 1.2.3 1600nm~1700nm
- 1.3 Single Photon Avalanche Photodiode (SPAD) Product by Application
 - 1.3.1 LIDAR (3D Ranging and Sensing)
 - 1.3.2 Medical Imaging
 - 1.3.3 Fluorescence Lifetime and Photocorrelation and Ultrasensitive Spectroscopy
 - 1.3.4 Other Single Photon Detection
- 1.4 Global Single Photon Avalanche Photodiode (SPAD) Market Revenue and Sales Analysis
 - 1.4.1 Global Single Photon Avalanche Photodiode (SPAD) Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Single Photon Avalanche Photodiode (SPAD) Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Single Photon Avalanche Photodiode (SPAD) Market Sales Price Trend Analysis (2020-2032)
- 1.5 Single Photon Avalanche Photodiode (SPAD) Industry Trends and Innovation
 - 1.5.1 Single Photon Avalanche Photodiode (SPAD) Industry Trends and Innovation
 - 1.5.2 Single Photon Avalanche Photodiode (SPAD) Market Drivers and Challenges

2 SINGLE PHOTON AVALANCHE PHOTODIODE (SPAD) MARKET PESTEL ANALYSIS

- 2.1 Political Factors Analysis
- 2.2 Economic Factors Analysis
- 2.3 Social Factors Analysis
- 2.4 Technological Factors Analysis
- 2.5 Environmental Factors Analysis
- 2.6 Legal Factors Analysis

3 SINGLE PHOTON AVALANCHE PHOTODIODE (SPAD) MARKET PORTER'S FIVE FORCES ANALYSIS

- 3.1 Competitive Rivalry
- 3.2 Threat of New Entrants
- 3.3 Bargaining Power of Suppliers
- 3.4 Bargaining Power of Buyers
- 3.5 Threat of Substitutes

4 GLOBAL SINGLE PHOTON AVALANCHE PHOTODIODE (SPAD) MARKET ANALYSIS BY REGIONS

- 4.1 Global Single Photon Avalanche Photodiode (SPAD) Overall Market: 2024 VS 2025 VS 2032
- 4.2 Global Single Photon Avalanche Photodiode (SPAD) Revenue and Forecast Analysis (2020-2032)
 - 4.2.1 Global Single Photon Avalanche Photodiode (SPAD) Revenue and Market Share by Region (2020-2025)
 - 4.2.2 Global Single Photon Avalanche Photodiode (SPAD) Revenue and Market Share Forecast by Region (2026-2032)
- 4.3 Global Single Photon Avalanche Photodiode (SPAD) Sales and Forecast Analysis (2020-2032)
 - 4.3.1 Global Single Photon Avalanche Photodiode (SPAD) Sales and Market Share by Region (2020-2025)
 - 4.3.2 Global Single Photon Avalanche Photodiode (SPAD) Sales and Market Share Forecast by Region (2026-2032)
- 4.4 Global Single Photon Avalanche Photodiode (SPAD) Sales Price Trend Analysis (2020-2032)

5 GLOBAL SINGLE PHOTON AVALANCHE PHOTODIODE (SPAD) MARKET SIZE BY TYPE AND APPLICATION

- 5.1 Global Single Photon Avalanche Photodiode (SPAD) Market Size by Type
 - 5.1.1 Global Single Photon Avalanche Photodiode (SPAD) Revenue and Forecast Analysis by Type (2020-2032)
 - 5.1.2 Global Single Photon Avalanche Photodiode (SPAD) Sales and Forecast Analysis by Type (2020-2032)
- 5.2 Global Single Photon Avalanche Photodiode (SPAD) Market Size by Application
 - 5.2.1 Global Single Photon Avalanche Photodiode (SPAD) Revenue and Forecast Analysis by Application (2020-2032)
 - 5.2.2 Global Single Photon Avalanche Photodiode (SPAD) Sales and Forecast Analysis by Application (2020-2032)

6 NORTH AMERICA

6.1 North America Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate Analysis (2020-2032)

6.2 North America Key Manufacturers Analysis

6.3 North America Single Photon Avalanche Photodiode (SPAD) Market Size by Type

6.3.1 North America Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2032)

6.3.2 North America Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2032)

6.4 North America Single Photon Avalanche Photodiode (SPAD) Market Size by Application

6.4.1 North America Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2032)

6.4.2 North America Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2032)

6.5 North America Single Photon Avalanche Photodiode (SPAD) Market Size by Country

6.5.1 US

6.5.2 Canada

7 EUROPE

7.1 Europe Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate Analysis (2020-2032)

7.2 Europe Key Manufacturers Analysis

7.3 Europe Single Photon Avalanche Photodiode (SPAD) Market Size by Type

7.3.1 Europe Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2032)

7.3.2 Europe Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2032)

7.4 Europe Single Photon Avalanche Photodiode (SPAD) Market Size by Application

7.4.1 Europe Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2032)

7.4.2 Europe Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2032)

7.5 Europe Single Photon Avalanche Photodiode (SPAD) Market Size by Country

7.5.1 Germany

7.5.2 France

7.5.3 United Kingdom

7.5.4 Italy

7.5.5 Spain

7.5.6 Benelux

8 CHINA

8.1 China Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate Analysis (2020-2032)

8.2 China Key Manufacturers Analysis

8.3 China Single Photon Avalanche Photodiode (SPAD) Market Size by Type

8.3.1 China Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2032)

8.3.2 China Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2032)

8.4 China Single Photon Avalanche Photodiode (SPAD) Market Size by Application

8.4.1 China Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2032)

8.4.2 China Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2032)

9 APAC (EXCL. CHINA)

9.1 APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate Analysis (2020-2032)

9.2 APAC (excl. China) Key Manufacturers Analysis

9.3 APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Market Size by Type

9.3.1 APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2032)

9.3.2 APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2032)

9.4 APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Market Size by Application

9.4.1 APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2032)

9.4.2 APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2032)

9.5 APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Market Size by

Country

- 9.5.1 Japan
- 9.5.2 South Korea
- 9.5.3 India
- 9.5.4 Australia
- 9.5.5 Southeast Asia

10 LATIN AMERICA

10.1 Latin America Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate Analysis (2020-2032)

10.2 Latin America Key Manufacturers Analysis

10.3 Latin America Single Photon Avalanche Photodiode (SPAD) Market Size by Type

10.3.1 Latin America Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2032)

10.3.2 Latin America Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2032)

10.4 Latin America Single Photon Avalanche Photodiode (SPAD) Market Size by Application

10.4.1 Latin America Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2032)

10.4.2 Latin America Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2032)

10.5 Latin America Single Photon Avalanche Photodiode (SPAD) Market Size by Country

10.6 Latin America Single Photon Avalanche Photodiode (SPAD) Market Size by Country

10.6.1 Mexico

10.6.2 Brazil

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate Analysis (2020-2032)

11.2 Middle East & Africa Key Manufacturers Analysis

11.3 Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Market Size by Type

11.3.1 Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2032)

11.3.2 Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2032)

11.4 Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Market Size by Application

11.4.1 Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2032)

11.4.2 Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2032)

11.5 Middle East Single Photon Avalanche Photodiode (SPAD) Market Size by Country

11.5.1 Saudi Arabia

11.5.2 South Africa

12 COMPETITION BY MANUFACTURERS

12.1 Global Single Photon Avalanche Photodiode (SPAD) Market Sales, Revenue and Price by Key Manufacturers (2021-2025)

12.1.1 Global Single Photon Avalanche Photodiode (SPAD) Market Sales by Key Manufacturers (2021-2025)

12.1.2 Global Single Photon Avalanche Photodiode (SPAD) Market Revenue by Key Manufacturers (2021-2025)

12.1.3 Global Single Photon Avalanche Photodiode (SPAD) Average Sales Price by Manufacturers (2021-2025)

12.2 Single Photon Avalanche Photodiode (SPAD) Competitive Landscape Analysis and Market Dynamic

12.2.1 Single Photon Avalanche Photodiode (SPAD) Competitive Landscape Analysis

12.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

12.2.3 Market Dynamic

13 KEY COMPANIES ANALYSIS

13.1 Hamamatsu

13.1.1 Hamamatsu Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.1.2 Hamamatsu Single Photon Avalanche Photodiode (SPAD) Product Portfolio

13.1.3 Hamamatsu Single Photon Avalanche Photodiode (SPAD) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.2 STMicroelectronics

13.2.1 STMicroelectronics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.2.2 STMicroelectronics Single Photon Avalanche Photodiode (SPAD) Product Portfolio

13.2.3 STMicroelectronics Single Photon Avalanche Photodiode (SPAD) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.3 ON Semiconductor

13.3.1 ON Semiconductor Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.3.2 ON Semiconductor Single Photon Avalanche Photodiode (SPAD) Product Portfolio

13.3.3 ON Semiconductor Single Photon Avalanche Photodiode (SPAD) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.4 Laser Components

13.4.1 Laser Components Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.4.2 Laser Components Single Photon Avalanche Photodiode (SPAD) Product Portfolio

13.4.3 Laser Components Single Photon Avalanche Photodiode (SPAD) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.5 Micro Photon Devices

13.5.1 Micro Photon Devices Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.5.2 Micro Photon Devices Single Photon Avalanche Photodiode (SPAD) Product Portfolio

13.5.3 Micro Photon Devices Single Photon Avalanche Photodiode (SPAD) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.6 Sony Semiconductor

13.6.1 Sony Semiconductor Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.6.2 Sony Semiconductor Single Photon Avalanche Photodiode (SPAD) Product Portfolio

13.6.3 Sony Semiconductor Single Photon Avalanche Photodiode (SPAD) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.7 Canon

13.7.1 Canon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.7.2 Canon Single Photon Avalanche Photodiode (SPAD) Product Portfolio

13.7.3 Canon Single Photon Avalanche Photodiode (SPAD) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14 INDUSTRY CHAIN ANALYSIS

14.1 Single Photon Avalanche Photodiode (SPAD) Industry Chain Analysis

14.2 Single Photon Avalanche Photodiode (SPAD) Industry Raw Material and Suppliers Analysis

14.2.1 Single Photon Avalanche Photodiode (SPAD) Key Raw Material Supply Analysis

14.2.2 Raw Material Suppliers and Contact Information

14.3 Single Photon Avalanche Photodiode (SPAD) Typical Downstream Customers

14.4 Single Photon Avalanche Photodiode (SPAD) Sales Channel Analysis

15 RESEARCH FINDINGS AND CONCLUSION

16 METHODOLOGY AND DATA SOURCE

16.1 Methodology/Research Approach

16.2 Research Scope

16.3 Benchmarks and Assumptions

16.4 Data Source

16.4.1 Primary Sources

16.4.2 Secondary Sources

16.5 Data Cross Validation

16.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1: Global Single Photon Avalanche Photodiode (SPAD) Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Single Photon Avalanche Photodiode (SPAD) Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Single Photon Avalanche Photodiode (SPAD) Industry Development Status

Table 4: Single Photon Avalanche Photodiode (SPAD) Industry Development Trends

Table 5: Global Single Photon Avalanche Photodiode (SPAD) Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 6: Global Single Photon Avalanche Photodiode (SPAD) Revenue by Region (2020-2025) & (US\$ Million)

Table 7: Global Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Region (2020-2025)

Table 8: Global Single Photon Avalanche Photodiode (SPAD) Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 9: Global Single Photon Avalanche Photodiode (SPAD) Revenue Market Share Forecast by Region (2026-2032)

Table 10: Global Single Photon Avalanche Photodiode (SPAD) Sales by Region (2020-2025) & (K Unit)

Table 11: Global Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Region (2020-2025)

Table 12: Global Single Photon Avalanche Photodiode (SPAD) Sales Forecast by Region (2026-2032) & (K Unit)

Table 13: Global Single Photon Avalanche Photodiode (SPAD) Sales Market Share Forecast by Region (2026-2032)

Table 14: Global Single Photon Avalanche Photodiode (SPAD) Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 15: Global Single Photon Avalanche Photodiode (SPAD) Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 16: Global Single Photon Avalanche Photodiode (SPAD) Sales Analysis by Type (2020-2025) & (K Unit)

Table 17: Global Single Photon Avalanche Photodiode (SPAD) Sales Analysis Forecast by Type (2026-2032) & (K Unit)

Table 18: Global Single Photon Avalanche Photodiode (SPAD) Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 19: Global Single Photon Avalanche Photodiode (SPAD) Revenue Analysis

Forecast by Application (2026-2032) & (US\$ Million)

Table 20: Global Single Photon Avalanche Photodiode (SPAD) Sales Analysis by Application (2020-2025) & (K Unit)

Table 21: Global Single Photon Avalanche Photodiode (SPAD) Sales Analysis Forecast by Application (2026-2032) & (K Unit)

Table 22: Key Single Photon Avalanche Photodiode (SPAD) Players in North America

Table 23: North America Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2025) & (K Unit)

Table 24: North America Single Photon Avalanche Photodiode (SPAD) Sales by Type (2026-2032) & (K Unit)

Table 25: North America Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2025) & (US\$ Million)

Table 26: North America Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2026-2032) & (US\$ Million)

Table 27: North America Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2025) & (K Unit)

Table 28: North America Single Photon Avalanche Photodiode (SPAD) Sales by Application (2026-2032) & (K Unit)

Table 29: North America Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2025) & (US\$ Million)

Table 30: North America Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2026-2032) & (US\$ Million)

Table 31: North America Single Photon Avalanche Photodiode (SPAD) Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 32: North America Single Photon Avalanche Photodiode (SPAD) Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 33: North America Single Photon Avalanche Photodiode (SPAD) Sales Market Size by Country (2020-2025) & (K Unit)

Table 34: North America Single Photon Avalanche Photodiode (SPAD) Sales Market Size by Country (2026-2032) & (K Unit)

Table 35: Key Single Photon Avalanche Photodiode (SPAD) Players in Europe

Table 36: Europe Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2025) & (K Unit)

Table 37: Europe Single Photon Avalanche Photodiode (SPAD) Sales by Type (2026-2032) & (K Unit)

Table 38: Europe Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2025) & (US\$ Million)

Table 39: Europe Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2026-2032) & (US\$ Million)

Table 40: Europe Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2025) & (K Unit)

Table 41: Europe Single Photon Avalanche Photodiode (SPAD) Sales by Application (2026-2032) & (K Unit)

Table 42: Europe Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2025) & (US\$ Million)

Table 43: Europe Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2026-2032) & (US\$ Million)

Table 44: Europe Single Photon Avalanche Photodiode (SPAD) Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 45: Europe Single Photon Avalanche Photodiode (SPAD) Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 46: Europe Single Photon Avalanche Photodiode (SPAD) Sales Market Size by Country (2020-2025) & (K Unit)

Table 47: Europe Single Photon Avalanche Photodiode (SPAD) Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 48: Key Single Photon Avalanche Photodiode (SPAD) Players in China

Table 49: China Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2025) & (K Unit)

Table 50: China Single Photon Avalanche Photodiode (SPAD) Sales by Type (2026-2032) & (K Unit)

Table 51: China Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2025) & (US\$ Million)

Table 52: China Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2026-2032) & (US\$ Million)

Table 53: China Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2025) & (K Unit)

Table 54: China Single Photon Avalanche Photodiode (SPAD) Sales by Application (2026-2032) & (K Unit)

Table 55: China Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2025) & (US\$ Million)

Table 56: China Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2026-2032) & (US\$ Million)

Table 57: Key Single Photon Avalanche Photodiode (SPAD) Players in APAC (excl. China)

Table 58: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2025) & (K Unit)

Table 59: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales by Type (2026-2032) & (K Unit)

Table 60: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2025) & (US\$ Million)

Table 61: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2026-2032) & (US\$ Million)

Table 62: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2025) & (K Unit)

Table 63: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales by Application (2026-2032) & (K Unit)

Table 64: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2025) & (US\$ Million)

Table 65: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2026-2032) & (US\$ Million)

Table 66: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 67: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 68: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales Market Size by Country (2020-2025) & (K Unit)

Table 69: APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 70: Key Single Photon Avalanche Photodiode (SPAD) Players in Latin America

Table 71: Latin America Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2025) & (K Unit)

Table 72: Latin America Single Photon Avalanche Photodiode (SPAD) Sales by Type (2026-2032) & (K Unit)

Table 73: Latin America Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2025) & (US\$ Million)

Table 74: Latin America Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2026-2032) & (US\$ Million)

Table 75: Latin America Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2025) & (K Unit)

Table 76: Latin America Single Photon Avalanche Photodiode (SPAD) Sales by Application (2026-2032) & (K Unit)

Table 77: Latin America Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2025) & (US\$ Million)

Table 78: Latin America Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2026-2032) & (US\$ Million)

Table 79: Latin America Single Photon Avalanche Photodiode (SPAD) Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 80: Latin America Single Photon Avalanche Photodiode (SPAD) Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 81: Latin America Single Photon Avalanche Photodiode (SPAD) Sales Market Size by Country (2020-2025) & (K Unit)

Table 82: Latin America Single Photon Avalanche Photodiode (SPAD) Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 83: Key Single Photon Avalanche Photodiode (SPAD) Players in Middle East & Africa

Table 84: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales by Type (2020-2025) & (K Unit)

Table 85: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales by Type (2026-2032) & (K Unit)

Table 86: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2020-2025) & (US\$ Million)

Table 87: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue by Type (2026-2032) & (US\$ Million)

Table 88: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales by Application (2020-2025) & (K Unit)

Table 89: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales by Application (2026-2032) & (K Unit)

Table 90: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2020-2025) & (US\$ Million)

Table 91: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue by Application (2026-2032) & (US\$ Million)

Table 92: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 93: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 94: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales Market Size by Country (2020-2025) & (K Unit)

Table 95: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 96: Global Single Photon Avalanche Photodiode (SPAD) Market Sales by Key Manufacturers (2021-2025) & (K Unit)

Table 97: Global Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Key Manufacturers (2021-2025)

Table 98: Global Single Photon Avalanche Photodiode (SPAD) Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)

Table 99: Global Single Photon Avalanche Photodiode (SPAD) Revenue Market Share

by Key Manufacturers (2021-2025)

Table 100: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Unit)

Table 101: Global Key Manufacturers Headquarter Location and Key Area Sales

Table 102: Market Mergers & Acquisitions, Expansion

Table 103: Hamamatsu Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 104: Hamamatsu Single Photon Avalanche Photodiode (SPAD) Product Portfolio

Table 105: Hamamatsu Single Photon Avalanche Photodiode (SPAD) Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 106: STMicroelectronics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 107: STMicroelectronics Single Photon Avalanche Photodiode (SPAD) Product Portfolio

Table 108: STMicroelectronics Single Photon Avalanche Photodiode (SPAD) Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 109: ON Semiconductor Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 110: ON Semiconductor Single Photon Avalanche Photodiode (SPAD) Product Portfolio

Table 111: ON Semiconductor Single Photon Avalanche Photodiode (SPAD) Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 112: Laser Components Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 113: Laser Components Single Photon Avalanche Photodiode (SPAD) Product Portfolio

Table 114: Laser Components Single Photon Avalanche Photodiode (SPAD) Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 115: Micro Photon Devices Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 116: Micro Photon Devices Single Photon Avalanche Photodiode (SPAD) Product Portfolio

Table 117: Micro Photon Devices Single Photon Avalanche Photodiode (SPAD) Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 118: Sony Semiconductor Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 119: Sony Semiconductor Single Photon Avalanche Photodiode (SPAD) Product Portfolio

Table 120: Sony Semiconductor Single Photon Avalanche Photodiode (SPAD) Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 121: Canon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 122: Canon Single Photon Avalanche Photodiode (SPAD) Product Portfolio

Table 123: Canon Single Photon Avalanche Photodiode (SPAD) Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 124: Upstream Key Raw Material Price List

Table 125: Single Photon Avalanche Photodiode (SPAD) Raw Material Suppliers and Contact Information

Table 126: Single Photon Avalanche Photodiode (SPAD) Typical Customer List

Table 127: Single Photon Avalanche Photodiode (SPAD) Distributors List

List Of Figures

LIST OF FIGURES

Figure 1: Single Photon Avalanche Photodiode (SPAD) Product Pictures

Figure 2: 300nm~1100nm Picture Scope

Figure 3: 1100nm~1600nm Picture Scope

Figure 4: 1600nm~1700nm Picture Scope

Figure 5: LIDAR (3D Ranging and Sensing) Picture Scope

Figure 6: Medical Imaging Picture Scope

Figure 7: Fluorescence Lifetime and Photocorrelation and Ultrasensitive Spectroscopy Picture Scope

Figure 8: Other Single Photon Detection Picture Scope

Figure 9: Global Single Photon Avalanche Photodiode (SPAD) Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)

Figure 10: Global Single Photon Avalanche Photodiode (SPAD) Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)

Figure 11: Global Single Photon Avalanche Photodiode (SPAD) Market Sales and Growth Rate Analysis (2020-2032) & (K Unit)

Figure 12: Global Single Photon Avalanche Photodiode (SPAD) Market Price Trend Analysis (2020-2032) & (USD/Unit)

Figure 13: Global Single Photon Avalanche Photodiode (SPAD) Market Size by Region (2020-2032) & (US\$ Million)

Figure 14: Global Single Photon Avalanche Photodiode (SPAD) Market Share Scenario by Region in Percentage: 2025 Versus 2032

Figure 15: Global Single Photon Avalanche Photodiode (SPAD) Sales Price by Region (2020-2032) & (K Unit)

Figure 16: North America Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 17: North America Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Players in 2024

Figure 18: North America Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Type (2020-2032)

Figure 19: North America Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Type (2020-2032)

Figure 20: North America Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Application (2020-2032)

Figure 21: North America Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Application (2020-2032)

Figure 22:US Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 23:Canada Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 24:Europe Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 25:Europe Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Players in 2024

Figure 26:Europe Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Type (2020-2032)

Figure 27:Europe Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Type (2020-2032)

Figure 28:Europe Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Application (2020-2032)

Figure 29:Europe Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Application (2020-2032)

Figure 30:Germany Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 31:France Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 32:United Kingdom Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 33:Italy Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 34:Spain Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 35:Benelux Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 36:China Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 37:China Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Players in 2024

Figure 38:China Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Type (2020-2032)

Figure 39:China Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Type (2020-2032)

Figure 40:China Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Application (2020-2032)

Figure 41:China Single Photon Avalanche Photodiode (SPAD) Revenue Market Share

by Application (2020-2032)

Figure 42:APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 43:APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Players in 2024

Figure 44:APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Type (2020-2032)

Figure 45:APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Type (2020-2032)

Figure 46:APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Application (2020-2032)

Figure 47:APAC (excl. China) Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Application (2020-2032)

Figure 48:Japan Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 49:South Korea Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 50:India Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 51:Australia Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 52:Southeast Asia Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 53:Latin America Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 54:Latin America Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Players in 2024

Figure 55:Latin America Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Type (2020-2032)

Figure 56:Latin America Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Type (2020-2032)

Figure 57:Latin America Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Application (2020-2032)

Figure 58:Latin America Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Application (2020-2032)

Figure 59:Mexico Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 60:Brazil Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 61: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 62: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Players in 2024

Figure 63: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Type (2020-2032)

Figure 64: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Type (2020-2032)

Figure 65: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Application (2020-2032)

Figure 66: Middle East & Africa Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Application (2020-2032)

Figure 67: Saudi Arabia Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 68: South Africa Single Photon Avalanche Photodiode (SPAD) Revenue (2020-2032) & (US\$ Million)

Figure 69: Global Single Photon Avalanche Photodiode (SPAD) Sales Market Share by Key Manufacturers in 2024

Figure 70: Global Single Photon Avalanche Photodiode (SPAD) Revenue Market Share by Key Manufacturers in 2024

Figure 71: Global Single Photon Avalanche Photodiode (SPAD) Industry Competition Landscape

Figure 72: Single Photon Avalanche Photodiode (SPAD) Industry Chain Analysis

Figure 73: Bottom-Up and Top-Down Research Methods

Figure 74: Key Interview Objectives

Figure 75: Data Cross Validation

I would like to order

Product name: Global Single Photon Avalanche Photodiode (SPAD) Competitive Landscape Professional Research Report 2025

Product link: <https://marketpublishers.com/r/S5DE7A924666EN.html>

Price: US\$ 3,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S5DE7A924666EN.html>