



Single Photon Detector Industry Research Report 2026

Industry	Published	Pages	Format
Machinery & Equipment	2026-01-15	118	PDF

Single User	Multi User	Enterprise
USD 2,950	USD 4,430	USD 5,900

Description

The global Single Photon Detector market was valued at US\$ million in 2025 and is projected to reach US\$ million by 2032, implying a CAGR of % over 2026–2032.

The North America market for Single Photon Detector is forecast to increase from US\$ million in 2026 to US\$ million by 2032, corresponding to a CAGR of % over 2026–2032.

The Europe market for Single Photon Detector is projected to rise from US\$ million in 2026 to US\$ million by 2032, registering a CAGR of % over 2026–2032.

The Asia Pacific market for Single Photon Detector is expected to grow from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026–2032.

Leading global manufacturers of Single Photon Detector include among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

Report Scope

This report quantifies the global Single Photon Detector market in revenue (US\$ million) and, where applicable, sales volume (k units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/k units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Single Photon Detector.

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Single Photon Detector Market by Company

ID Quantique

Scotel

Single Quantum

Quantum Opus

Thorlabs

AUREA Technology

Photon Spot

Photec

Single Photon Detector Segment by Type

Semiconductor Detector

Superconducting Detector

Single Photon Detector Segment by Application

Quantum Applications

Medical Applications

Industrial Application

Other

Single Photon Detector Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Single Photon Detector market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Single Photon Detector and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Single Photon Detector.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3:

Detailed analysis of Single Photon Detector manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of Single Photon Detector by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of Single Photon Detector in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11:

The main points and conclusions of the report.

Table of Contents

1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 Market Overview

- 2.1 Product Definition
- 2.2 Single Photon Detector by Type
 - 2.2.1 Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.2.2 Semiconductor Detector
 - 2.2.3 Superconducting Detector
- 2.3 Single Photon Detector by Application
 - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.3.2 Quantum Applications
 - 2.3.3 Medical Applications
 - 2.3.4 Industrial Application
 - 2.3.5 Other
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Single Photon Detector Production Value Estimates and Forecasts (2021-2032)
 - 2.4.2 Global Single Photon Detector Production Capacity Estimates and Forecasts (2021-2032)
 - 2.4.3 Global Single Photon Detector Production Estimates and Forecasts (2021-2032)
 - 2.4.4 Global Single Photon Detector Market Average Price (2021-2032)

3 Market Competitive Landscape by Manufacturers

- 3.1 Global Single Photon Detector Production by Manufacturers (2021-2026)
- 3.2 Global Single Photon Detector Production Value by Manufacturers (2021-2026)
- 3.3 Global Single Photon Detector Average Price by Manufacturers (2021-2026)
- 3.4 Global Single Photon Detector Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Single Photon Detector Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Single Photon Detector Manufacturers, Product Type & Application
- 3.7 Global Single Photon Detector Manufacturers Established Date
- 3.8 Global Single Photon Detector Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 Manufacturers Profiled

- 4.1 ID Quantique
 - 4.1.1 ID Quantique Single Photon Detector Company Information
 - 4.1.2 ID Quantique Single Photon Detector Business Overview
 - 4.1.3 ID Quantique Single Photon Detector Production, Value and Gross Margin (2021-2026)
 - 4.1.4 ID Quantique Product Portfolio
 - 4.1.5 ID Quantique Recent Developments
- 4.2 Scontel

- 4.2.1 Scontel Single Photon Detector Company Information
- 4.2.2 Scontel Single Photon Detector Business Overview
- 4.2.3 Scontel Single Photon Detector Production, Value and Gross Margin (2021-2026)
- 4.2.4 Scontel Product Portfolio
- 4.2.5 Scontel Recent Developments
- 4.3 Single Quantum
 - 4.3.1 Single Quantum Single Photon Detector Company Information
 - 4.3.2 Single Quantum Single Photon Detector Business Overview
 - 4.3.3 Single Quantum Single Photon Detector Production, Value and Gross Margin (2021-2026)
 - 4.3.4 Single Quantum Product Portfolio
 - 4.3.5 Single Quantum Recent Developments
- 4.4 Quantum Opus
 - 4.4.1 Quantum Opus Single Photon Detector Company Information
 - 4.4.2 Quantum Opus Single Photon Detector Business Overview
 - 4.4.3 Quantum Opus Single Photon Detector Production, Value and Gross Margin (2021-2026)
 - 4.4.4 Quantum Opus Product Portfolio
 - 4.4.5 Quantum Opus Recent Developments
- 4.5 Thorlabs
 - 4.5.1 Thorlabs Single Photon Detector Company Information
 - 4.5.2 Thorlabs Single Photon Detector Business Overview
 - 4.5.3 Thorlabs Single Photon Detector Production, Value and Gross Margin (2021-2026)
 - 4.5.4 Thorlabs Product Portfolio
 - 4.5.5 Thorlabs Recent Developments
- 4.6 AUREA Technology
 - 4.6.1 AUREA Technology Single Photon Detector Company Information
 - 4.6.2 AUREA Technology Single Photon Detector Business Overview
 - 4.6.3 AUREA Technology Single Photon Detector Production, Value and Gross Margin (2021-2026)
 - 4.6.4 AUREA Technology Product Portfolio
 - 4.6.5 AUREA Technology Recent Developments
- 4.7 Photon Spot
 - 4.7.1 Photon Spot Single Photon Detector Company Information
 - 4.7.2 Photon Spot Single Photon Detector Business Overview
 - 4.7.3 Photon Spot Single Photon Detector Production, Value and Gross Margin (2021-2026)
 - 4.7.4 Photon Spot Product Portfolio
 - 4.7.5 Photon Spot Recent Developments
- 4.8 Photec
 - 4.8.1 Photec Single Photon Detector Company Information
 - 4.8.2 Photec Single Photon Detector Business Overview
 - 4.8.3 Photec Single Photon Detector Production, Value and Gross Margin (2021-2026)
 - 4.8.4 Photec Product Portfolio
 - 4.8.5 Photec Recent Developments

5 Global Single Photon Detector Production by Region

- 5.1 Global Single Photon Detector Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.2 Global Single Photon Detector Production by Region: 2021-2032
 - 5.2.1 Global Single Photon Detector Production by Region: 2021-2026
 - 5.2.2 Global Single Photon Detector Production Forecast by Region (2027-2032)
- 5.3 Global Single Photon Detector Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.4 Global Single Photon Detector Production Value by Region: 2021-2032

5.4.1 Global Single Photon Detector Production Value by Region: 2021-2026

5.4.2 Global Single Photon Detector Production Value Forecast by Region (2027-2032)

5.5 Global Single Photon Detector Market Price Analysis by Region (2021-2026)

5.6 Global Single Photon Detector Production and Value, YOY Growth

5.6.1 North America Single Photon Detector Production Value Estimates and Forecasts (2021-2032)

5.6.2 Europe Single Photon Detector Production Value Estimates and Forecasts (2021-2032)

5.6.3 China Single Photon Detector Production Value Estimates and Forecasts (2021-2032)

5.6.4 Japan Single Photon Detector Production Value Estimates and Forecasts (2021-2032)

6 Global Single Photon Detector Consumption by Region

6.1 Global Single Photon Detector Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

6.2 Global Single Photon Detector Consumption by Region (2021-2032)

6.2.1 Global Single Photon Detector Consumption by Region: 2021-2026

6.2.2 Global Single Photon Detector Forecasted Consumption by Region (2027-2032)

6.3 North America

6.3.1 North America Single Photon Detector Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.3.2 North America Single Photon Detector Consumption by Country (2021-2032)

6.3.3 United States

6.3.4 Canada

6.3.5 Mexico

6.4 Europe

6.4.1 Europe Single Photon Detector Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.4.2 Europe Single Photon Detector Consumption by Country (2021-2032)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.4.8 Spain

6.4.9 Netherlands

6.4.10 Switzerland

6.4.11 Sweden

6.4.12 Poland

6.5 Asia Pacific

6.5.1 Asia Pacific Single Photon Detector Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.5.2 Asia Pacific Single Photon Detector Consumption by Country (2021-2032)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 India

6.5.7 Australia

6.5.8 Taiwan

6.5.9 Southeast Asia

6.6 South America, Middle East & Africa

6.6.1 South America, Middle East & Africa Single Photon Detector Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.6.2 South America, Middle East & Africa Single Photon Detector Consumption by Country (2021-2032)

6.6.3 Brazil

6.6.4 Argentina

6.6.5 Chile

6.6.6 Turkey

6.6.7 GCC Countries

7 Segment by Type

7.1 Global Single Photon Detector Production by Type (2021-2032)

7.1.1 Global Single Photon Detector Production by Type (2021-2032) & (k units)

7.1.2 Global Single Photon Detector Production Market Share by Type (2021-2032)

7.2 Global Single Photon Detector Production Value by Type (2021-2032)

7.2.1 Global Single Photon Detector Production Value by Type (2021-2032) & (US\$ Million)

7.2.2 Global Single Photon Detector Production Value Market Share by Type (2021-2032)

7.3 Global Single Photon Detector Price by Type (2021-2032)

8 Segment by Application

8.1 Global Single Photon Detector Production by Application (2021-2032)

8.1.1 Global Single Photon Detector Production by Application (2021-2032) & (k units)

8.1.2 Global Single Photon Detector Production Market Share by Application (2021-2032)

8.2 Global Single Photon Detector Production Value by Application (2021-2032)

8.2.1 Global Single Photon Detector Production Value by Application (2021-2032) & (US\$ Million)

8.2.2 Global Single Photon Detector Production Value Market Share by Application (2021-2032)

8.3 Global Single Photon Detector Price by Application (2021-2032)

9 Value Chain and Sales Channels Analysis of the Market

9.1 Single Photon Detector Value Chain Analysis

9.1.1 Single Photon Detector Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Single Photon Detector Production Mode & Process

9.2 Single Photon Detector Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Single Photon Detector Distributors

9.2.3 Single Photon Detector Customers

10 Global Single Photon Detector Analyzing Market Dynamics

10.1 Single Photon Detector Industry Trends

10.2 Single Photon Detector Industry Drivers

10.3 Single Photon Detector Industry Opportunities and Challenges

10.4 Single Photon Detector Industry Restraints

11 Report Conclusion

12 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Single Photon Detector Production by Manufacturers (k units) & (2021-2026)
- Table 6: Global Single Photon Detector Production Market Share by Manufacturers
- Table 7: Global Single Photon Detector Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global Single Photon Detector Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global Single Photon Detector Average Price (USD/unit) of Manufacturers (2021-2026)
- Table 10: Global Single Photon Detector Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Single Photon Detector Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global Single Photon Detector Manufacturers, Product Type & Application
- Table 13: Global Single Photon Detector Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Single Photon Detector by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: ID Quantique Company Information
- Table 18: ID Quantique Business Overview
- Table 19: ID Quantique Single Photon Detector Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 20: ID Quantique Single Photon Detector Product Portfolio
- Table 21: ID Quantique Recent Development
- Table 22: Scontel Company Information
- Table 23: Scontel Business Overview
- Table 24: Scontel Single Photon Detector Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 25: Scontel Single Photon Detector Product Portfolio
- Table 26: Scontel Recent Development
- Table 27: Single Quantum Company Information
- Table 28: Single Quantum Business Overview
- Table 29: Single Quantum Single Photon Detector Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 30: Single Quantum Single Photon Detector Product Portfolio
- Table 31: Single Quantum Recent Development
- Table 32: Quantum Opus Company Information
- Table 33: Quantum Opus Business Overview
- Table 34: Quantum Opus Single Photon Detector Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 35: Quantum Opus Single Photon Detector Product Portfolio
- Table 36: Quantum Opus Recent Development
- Table 37: Thorlabs Company Information
- Table 38: Thorlabs Business Overview
- Table 39: Thorlabs Single Photon Detector Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 40: Thorlabs Single Photon Detector Product Portfolio
- Table 41: Thorlabs Recent Development
- Table 42: AUREA Technology Company Information
- Table 43: AUREA Technology Business Overview
- Table 44: AUREA Technology Single Photon Detector Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 45: AUREA Technology Single Photon Detector Product Portfolio
- Table 46: AUREA Technology Recent Development
- Table 47: Photon Spot Company Information
- Table 48: Photon Spot Business Overview

- Table 49: Photon Spot Single Photon Detector Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 50: Photon Spot Single Photon Detector Product Portfolio
- Table 51: Photon Spot Recent Development
- Table 52: Photec Company Information
- Table 53: Photec Business Overview
- Table 54: Photec Single Photon Detector Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 55: Photec Single Photon Detector Product Portfolio
- Table 56: Photec Recent Development
- Table 57: Global Single Photon Detector Production Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Table 58: Global Single Photon Detector Production by Region (2021-2026) & (k units)
- Table 59: Global Single Photon Detector Production Market Share by Region (2021-2026)
- Table 60: Global Single Photon Detector Production Forecast by Region (2027-2032) & (k units)
- Table 61: Global Single Photon Detector Production Market Share Forecast by Region (2027-2032)
- Table 62: Global Single Photon Detector Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 63: Global Single Photon Detector Production Value by Region (2021-2026) & (US\$ Million)
- Table 64: Global Single Photon Detector Production Value Market Share by Region (2021-2026)
- Table 65: Global Single Photon Detector Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 66: Global Single Photon Detector Market Average Price (USD/unit) by Region (2021-2026)
- Table 67: Global Single Photon Detector Market Average Price (USD/unit) by Region (2027-2032)
- Table 68: Global Single Photon Detector Consumption Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Table 69: Global Single Photon Detector Consumption by Region (2021-2026) & (k units)
- Table 70: Global Single Photon Detector Consumption Market Share by Region (2021-2026)
- Table 71: Global Single Photon Detector Forecasted Consumption by Region (2027-2032) & (k units)
- Table 72: Global Single Photon Detector Forecasted Consumption Market Share by Region (2027-2032)
- Table 73: North America Single Photon Detector Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 74: North America Single Photon Detector Consumption by Country (2021-2026) & (k units)
- Table 75: North America Single Photon Detector Consumption by Country (2027-2032) & (k units)
- Table 76: Europe Single Photon Detector Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 77: Europe Single Photon Detector Consumption by Country (2021-2026) & (k units)
- Table 78: Europe Single Photon Detector Consumption by Country (2027-2032) & (k units)
- Table 79: Asia Pacific Single Photon Detector Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 80: Asia Pacific Single Photon Detector Consumption by Country (2021-2026) & (k units)
- Table 81: Asia Pacific Single Photon Detector Consumption by Country (2027-2032) & (k units)
- Table 82: South America, Middle East & Africa Single Photon Detector Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 83: South America, Middle East & Africa Single Photon Detector Consumption by Country (2021-2026) & (k units)
- Table 84: South America, Middle East & Africa Single Photon Detector Consumption by Country (2027-2032) & (k units)
- Table 85: Global Single Photon Detector Production by Type (2021-2026) & (k units)
- Table 86: Global Single Photon Detector Production by Type (2027-2032) & (k units)
- Table 87: Global Single Photon Detector Production Market Share by Type (2021-2026)
- Table 88: Global Single Photon Detector Production Market Share by Type (2027-2032)
- Table 89: Global Single Photon Detector Production Value by Type (2021-2026) & (US\$ Million)
- Table 90: Global Single Photon Detector Production Value by Type (2027-2032) & (US\$ Million)
- Table 91: Global Single Photon Detector Production Value Market Share by Type (2021-2026)
- Table 92: Global Single Photon Detector Production Value Market Share by Type (2027-2032)
- Table 93: Global Single Photon Detector Price by Type (2021-2026) & (USD/unit)
- Table 94: Global Single Photon Detector Price by Type (2027-2032) & (USD/unit)
- Table 95: Global Single Photon Detector Production by Application (2021-2026) & (k units)
- Table 96: Global Single Photon Detector Production by Application (2027-2032) & (k units)
- Table 97: Global Single Photon Detector Production Market Share by Application (2021-2026)
- Table 98: Global Single Photon Detector Production Market Share by Application (2027-2032)
- Table 99: Global Single Photon Detector Production Value by Application (2021-2026) & (US\$ Million)
- Table 100: Global Single Photon Detector Production Value by Application (2027-2032) & (US\$ Million)
- Table 101: Global Single Photon Detector Production Value Market Share by Application (2021-2026)
- Table 102: Global Single Photon Detector Production Value Market Share by Application (2027-2032)
- Table 103: Global Single Photon Detector Price by Application (2021-2026) & (USD/unit)
- Table 104: Global Single Photon Detector Price by Application (2027-2032) & (USD/unit)
- Table 105: Key Raw Materials
- Table 106: Raw Materials Key Suppliers
- Table 107: Single Photon Detector Distributors List
- Table 108: Single Photon Detector Customers List
- Table 109: Single Photon Detector Industry Trends
- Table 110: Single Photon Detector Industry Drivers

- Table 111: Single Photon Detector Industry Restraints
- Table 112: Authors List of This Report

List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: Single Photon Detector Product Image
- Figure 5: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Semiconductor Detector Product Image
- Figure 7: Superconducting Detector Product Image
- Figure 8: Quantum Applications Product Image
- Figure 9: Medical Applications Product Image
- Figure 10: Industrial Application Product Image
- Figure 11: Other Product Image
- Figure 12: Global Single Photon Detector Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 13: Global Single Photon Detector Production Value (2021-2032) & (US\$ Million)
- Figure 14: Global Single Photon Detector Production Capacity (2021-2032) & (k units)
- Figure 15: Global Single Photon Detector Production (2021-2032) & (k units)
- Figure 16: Global Single Photon Detector Average Price (USD/unit) & (2021-2032)
- Figure 17: Global Single Photon Detector Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 18: Global Top 5 and 10 Single Photon Detector Players Market Share by Production Value in 2025
- Figure 19: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 20: Global Single Photon Detector Production Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 21: Global Single Photon Detector Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 22: Global Single Photon Detector Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 23: Global Single Photon Detector Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 24: North America Single Photon Detector Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 25: Europe Single Photon Detector Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 26: China Single Photon Detector Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 27: Japan Single Photon Detector Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 28: Global Single Photon Detector Consumption Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 29: Global Single Photon Detector Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 30: North America Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 31: North America Single Photon Detector Consumption Market Share by Country (2021-2032)
- Figure 32: United States Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 33: United States Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 34: Canada Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 35: Mexico Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 36: Europe Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 37: Europe Single Photon Detector Consumption Market Share by Country (2021-2032)
- Figure 38: Germany Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 39: France Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 40: U.K. Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 41: Italy Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 42: Russia Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 43: Spain Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 44: Netherlands Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 45: Switzerland Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 46: Sweden Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 47: Poland Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 48: Asia Pacific Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 49: Asia Pacific Single Photon Detector Consumption Market Share by Country (2021-2032)
- Figure 50: China Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 51: Japan Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 52: South Korea Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 53: India Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 54: Australia Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 55: Taiwan Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 56: Southeast Asia Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 57: South America, Middle East & Africa Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 58: South America, Middle East & Africa Single Photon Detector Consumption Market Share by Country (2021-2032)
- Figure 59: Brazil Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)

- Figure 60: Argentina Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 61: Chile Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 62: Turkey Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 63: GCC Countries Single Photon Detector Consumption and Growth Rate (2021-2032) & (k units)
- Figure 64: Global Single Photon Detector Production Market Share by Type (2021-2032)
- Figure 65: Global Single Photon Detector Production Value Market Share by Type (2021-2032)
- Figure 66: Global Single Photon Detector Price (USD/unit) by Type (2021-2032)
- Figure 67: Global Single Photon Detector Production Market Share by Application (2021-2032)
- Figure 68: Global Single Photon Detector Production Value Market Share by Application (2021-2032)
- Figure 69: Global Single Photon Detector Price (USD/unit) by Application (2021-2032)
- Figure 70: Single Photon Detector Value Chain
- Figure 71: Single Photon Detector Production Mode & Process
- Figure 72: Direct Comparison with Distribution Share
- Figure 73: Distributors Profiles
- Figure 74: Single Photon Detector Industry Opportunities and Challenges