+357 96 030922
info@marketpublishers.com

Global UV Photodiodes Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G6504E8FB2C4EN.html
Date: November 2026
Pages: 88
Price: US$ 3,480.00 (Single User License)
ID: G6504E8FB2C4EN

Abstracts

According to our (Global Info Research) latest study, the global UV Photodiodes market size was valued at US$ 138 million in 2025 and is forecast to a readjusted size of US$ 207 million by 2032 with a CAGR of 6.0% during review period.

UV photodiodes are semiconductor optoelectronic devices designed to detect ultraviolet radiation and convert it into electrical signals, primarily covering the UVA, UVB, UVC, and certain deep-ultraviolet wavelength ranges. These devices are typically based on semiconductor materials such as silicon (Si), silicon carbide (SiC), and gallium nitride (GaN), and offer advantages including fast response, high sensitivity, compact size, and good spectral selectivity. Among them, wide-bandgap semiconductor-based devices provide particular advantages in applications requiring low visible-light interference, high-temperature operation, and reliable performance under harsh environmental conditions. UV photodiodes serve as core photosensitive components in a wide range of ultraviolet detection and monitoring systems.

Key Findings

Global UV Photodiode sales reached approximately 5.6 million units in 2025

The average manufacturer-level selling price was approximately USD 24 per unit in 2025

Gross margins for major manufacturers generally range around 35%–45%

+357 96 030922
info@marketpublishers.com

Wide-bandgap SiC and GaN/AlGaN devices are becoming important high-value platforms for deep-ultraviolet detection

Competition is shifting from basic sensitivity toward spectral selectivity, stability, and long-term reliability

Market Trends

UV Photodiodes are evolving from conventional broadband silicon detection toward deeper-UV sensitivity, stronger spectral selectivity, and higher reliability. Si remains important in general-purpose applications because of mature manufacturing and favorable cost efficiency, while SiC and GaN/AlGaN are gaining importance in UVC, solar-blind, and high-intensity UV environments. Product development is also moving toward lower dark current, improved resistance to prolonged UV exposure, compact SMD packaging, and spectral optimization for UV LED sources, making detector-source matching an increasingly important design consideration.

Market Dynamics

Drivers

The expanding use of ultraviolet light sources is a fundamental driver of UV Photodiode demand. Industrial UV curing, printing, coating, and material-processing systems require continuous monitoring of source intensity and irradiation dose, while UVC disinfection systems require feedback on lamp or UV LED output, dose, and degradation. Flame detection, environmental UV monitoring, and spectroscopic instrumentation also create sustained demand for detectors with low dark current and strong spectral selectivity. As UV LEDs move toward shorter wavelengths and higher power densities, UV Photodiodes are becoming increasingly valuable for closed-loop control, source calibration, and system safety monitoring.

Restraints

Market development is constrained by substantial performance and cost differences between semiconductor material platforms. Mature silicon photodiodes provide cost and manufacturing advantages but have inherent limitations in deep-UVC selectivity and

+357 96 030922
info@marketpublishers.com

visible-light rejection, sometimes requiring optical filtering. SiC and GaN/AlGaN offer material characteristics better suited to deep-ultraviolet detection but require more demanding wafer quality, epitaxial processing, device yield, and packaging control, resulting in higher unit costs. Prolonged UV exposure can also affect optical windows, surface passivation, and packaging materials, requiring specialized reliability design for high-dose applications.

Opportunities

UVC sterilization monitoring, solar-blind flame detection, and high-intensity industrial UV process control represent attractive areas for product development. As germicidal systems expand beyond conventional mercury lamps toward UVC LEDs and multi-wavelength ultraviolet solutions, detectors increasingly need optimized feedback at wavelengths such as 235 nm, 255 nm, 265 nm, and 280 nm. SiC and GaN/AlGaN provide favorable characteristics in visible-light rejection, temperature stability, and UV aging resistance, supporting higher-value applications. Continued migration toward SMD and compact packages also creates opportunities for UV Photodiodes in smaller OEM equipment and integrated closed-loop control architectures.

Challenges

UV Photodiodes serve a specialized optoelectronic detector market in which individual applications can have relatively limited volumes, requiring manufacturers to balance development investment across multiple wavelength ranges and use cases. Customer requirements vary substantially in spectral range, peak wavelength, active area, dark current, package format, and operating temperature, creating significant product fragmentation. Although wide-bandgap devices provide important performance advantages, continued improvements in material and manufacturing economics are required for broader adoption. Rapid changes in UV source technology also require detector suppliers to adapt spectral characteristics and package designs as systems transition away from traditional UV lamps.

Industry Chain Analysis

The upstream UV Photodiode industry chain includes Si, SiC, and GaN/AlGaN wafers and epitaxial materials, together with quartz glass, UV-transmissive windows, ceramic substrates, metal packaging materials, and semiconductor-process materials.

+357 96 030922
info@marketpublishers.com

Midstream manufacturing covers epitaxial growth, photodiode junction formation, surface passivation, metallization, wafer testing, die singulation, UV-compatible packaging, and final optoelectronic characterization. Manufacturing economics differ significantly by material platform: mature Si products benefit more strongly from manufacturing scale and platform reuse, while SiC and GaN/AlGaN devices derive greater value from material performance, spectral selectivity, and reliability under specialized operating conditions.

Downstream value creation centers on accurate measurement of UV intensity, irradiation dose, and source operating condition. In industrial UV processing and sterilization equipment, detectors can support source feedback and dose control, while in flame and spectroscopic detection systems, low dark current, solar-blind characteristics, and stable responsivity directly influence overall system performance. Although UV Photodiodes generally account for a limited portion of total equipment BOM, their performance can materially influence measurement accuracy, reliability, and safety, supporting meaningful value premiums for high-performance products.

Segment Insights

From a material perspective, Si UV Photodiodes remain the most mature commercial platform, benefiting from established processes, broad size availability, and favorable cost efficiency, particularly in industrial UV source monitoring and broadband detection. SiC devices leverage their wide bandgap to reduce visible-light interference in UVC and solar-blind detection while providing strong temperature and radiation stability, supporting higher-value applications such as sterilization monitoring and flame detection. GaN/AlGaN provides additional flexibility to tailor spectral response through material composition and represents an important technology route for highly selective deep-ultraviolet detection.

By UV band and package structure, UVA applications are generally more mature and cost sensitive, while UVB and UVC require progressively greater attention to semiconductor material selection, optical-window transmission, and long-term device stability. UVC products therefore exhibit stronger technical differentiation. Surface-Mount packages support equipment miniaturization and automated assembly, TO packages remain relevant where mechanical reliability and harsh-environment performance are important, and Ceramic packages are suited to devices requiring strong UV transmission, thermal stability, and long-term reliability. Different combinations of materials, wavelength ranges, and package technologies create clear performance and pricing tiers.

+357 96 030922
info@marketpublishers.com

Downstream Market Opportunities

Industrial UV Processing is a mature application area for UV Photodiodes, with demand centered on intensity and dose monitoring in curing, printing, coating, and related equipment, while the transition from traditional lamps toward UV LEDs creates new detector-matching requirements. Disinfection & Sterilization places greater emphasis on UVC selectivity and long-term irradiation stability, particularly in air, water, and surface-treatment systems where source feedback directly influences delivered dose. Flame Detection prioritizes solar-blind characteristics and low false-alarm performance, while Spectroscopic Detection emphasizes linearity, low noise, and measurement stability. These requirements create clear performance segmentation and differentiated product value across downstream markets.

Regional Insights

Asia Pacific is an important manufacturing and demand center for UV Photodiodes, supported by integrated optoelectronics, semiconductor, UV LED, and industrial-equipment supply chains. Japan, South Korea, and China maintain capabilities across different detector materials and downstream applications. North America sustains significant demand for high-performance devices in scientific instrumentation, industrial detection, medical systems, and specialized optoelectronics, while Europe maintains a stable market in industrial UV equipment, flame safety, environmental monitoring, and professional instrumentation. Regional differences are characterized by stronger electronics manufacturing and scaled supply in Asia, while North American and European demand places greater emphasis on high reliability, wavelength-specific performance, and customized detector solutions.

Competitive Landscape Analysis

The UV Photodiode market exhibits the competitive characteristics of a specialized optoelectronic component industry, where suppliers differentiate less through manufacturing volume alone and more through semiconductor material platforms, UV spectral coverage, dark-current performance, irradiation stability, packaging technology, and customization capability. Established suppliers typically maintain broad Si product portfolios while using SiC, GaN/AlGaN, or specialized UV-enhancement processes to address higher-value applications. As UVC LEDs, industrial UV equipment, and

+357 96 030922
info@marketpublishers.com

professional sensing systems continue to advance, manufacturers combining device design, UV-compatible packaging, optoelectronic testing, and multi-wavelength product platforms are better positioned to support diverse customer requirements.

Report Scope

This report is a detailed and comprehensive analysis for global UV Photodiodes market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global UV Photodiodes market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global UV Photodiodes market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global UV Photodiodes market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global UV Photodiodes market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

+357 96 030922
info@marketpublishers.com

To assess the growth potential for UV Photodiodes

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global UV Photodiodes market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hamamatsu Photonics, Excelitas Technologies, OSI Optoelectronics, Opto Diode, sglux, ifw optronics, Genicom, Marktech Optoelectronics, GaNo Optoelectronics, Beephoton Technology (Changzhou), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

UV Photodiodes market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market Segmentation

Market segment by Type

Si

SiC

GaN/AlGaN

Market segment by UV Band

UVA

UVB

+357 96 030922
info@marketpublishers.com

UVC

Others

Market segment by Package Type

Surface-Mount (SMD)

TO Package

Ceramic Package

Others

Market segment by Application

Industrial UV Processing

Disinfection & Sterilization

Flame Detection

Spectroscopic Detection

Others

Major players covered

Hamamatsu Photonics

Excelitas Technologies

OSI Optoelectronics

Opto Diode

+357 96 030922
info@marketpublishers.com

sglux

ifw optronics

Genicom

Marktech Optoelectronics

GaNo Optoelectronics

Beephoton Technology (Changzhou)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

Chapter Outline

Chapter 1, to describe UV Photodiodes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of UV Photodiodes, with price, sales quantity, revenue, and global market share of UV Photodiodes from 2021 to 2026.

Chapter 3, the UV Photodiodes competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

+357 96 030922
info@marketpublishers.com

Chapter 4, the UV Photodiodes breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and UV Photodiodes market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of UV Photodiodes.

Chapter 14 and 15, to describe UV Photodiodes sales channel, distributors, customers, research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope
1.2 Market Estimation Caveats and Base Year
1.3 Market Analysis by Type
  1.3.1 Overview: Global UV Photodiodes Consumption Value by Type: 2021 Versus 2025 Versus 2032
  1.3.2 Si
  1.3.3 SiC
  1.3.4 GaN/AlGaN
1.4 Market Analysis by UV Band
  1.4.1 Overview: Global UV Photodiodes Consumption Value by UV Band: 2021 Versus 2025 Versus 2032
  1.4.2 UVA
  1.4.3 UVB
  1.4.4 UVC
  1.4.5 Others
1.5 Market Analysis by Package Type
  1.5.1 Overview: Global UV Photodiodes Consumption Value by Package Type: 2021 Versus 2025 Versus 2032
  1.5.2 Surface-Mount (SMD)
  1.5.3 TO Package
  1.5.4 Ceramic Package
  1.5.5 Others
1.6 Market Analysis by Application
  1.6.1 Overview: Global UV Photodiodes Consumption Value by Application: 2021 Versus 2025 Versus 2032
  1.6.2 Industrial UV Processing
  1.6.3 Disinfection & Sterilization
  1.6.4 Flame Detection
  1.6.5 Spectroscopic Detection
  1.6.6 Others
1.7 Global UV Photodiodes Market Size & Forecast
  1.7.1 Global UV Photodiodes Consumption Value (2021 & 2025 & 2032)
  1.7.2 Global UV Photodiodes Sales Quantity (2021-2032)
  1.7.3 Global UV Photodiodes Average Price (2021-2032)

+357 96 030922
info@marketpublishers.com

2 MANUFACTURERS PROFILES

2.1 Hamamatsu Photonics
2.1.1 Hamamatsu Photonics Details
2.1.2 Hamamatsu Photonics Major Business
2.1.3 Hamamatsu Photonics UV Photodiodes Product and Services
2.1.4 Hamamatsu Photonics UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.1.5 Hamamatsu Photonics Recent Developments/Updates
2.2 Excelitas Technologies
2.2.1 Excelitas Technologies Details
2.2.2 Excelitas Technologies Major Business
2.2.3 Excelitas Technologies UV Photodiodes Product and Services
2.2.4 Excelitas Technologies UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.2.5 Excelitas Technologies Recent Developments/Updates
2.3 OSI Optoelectronics
2.3.1 OSI Optoelectronics Details
2.3.2 OSI Optoelectronics Major Business
2.3.3 OSI Optoelectronics UV Photodiodes Product and Services
2.3.4 OSI Optoelectronics UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.3.5 OSI Optoelectronics Recent Developments/Updates
2.4 Opto Diode
2.4.1 Opto Diode Details
2.4.2 Opto Diode Major Business
2.4.3 Opto Diode UV Photodiodes Product and Services
2.4.4 Opto Diode UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.4.5 Opto Diode Recent Developments/Updates
2.5 sglux
2.5.1 sglux Details
2.5.2 sglux Major Business
2.5.3 sglux UV Photodiodes Product and Services
2.5.4 sglux UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.5.5 sglux Recent Developments/Updates
2.6 ifw optronics
2.6.1 ifw optronics Details

+357 96 030922
info@marketpublishers.com

2.6.2 ifw optronics Major Business
2.6.3 ifw optronics UV Photodiodes Product and Services
2.6.4 ifw optronics UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.6.5 ifw optronics Recent Developments/Updates
2.7 Genicom
2.7.1 Genicom Details
2.7.2 Genicom Major Business
2.7.3 Genicom UV Photodiodes Product and Services
2.7.4 Genicom UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.7.5 Genicom Recent Developments/Updates
2.8 Marktech Optoelectronics
2.8.1 Marktech Optoelectronics Details
2.8.2 Marktech Optoelectronics Major Business
2.8.3 Marktech Optoelectronics UV Photodiodes Product and Services
2.8.4 Marktech Optoelectronics UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.8.5 Marktech Optoelectronics Recent Developments/Updates
2.9 GaNo Optoelectronics
2.9.1 GaNo Optoelectronics Details
2.9.2 GaNo Optoelectronics Major Business
2.9.3 GaNo Optoelectronics UV Photodiodes Product and Services
2.9.4 GaNo Optoelectronics UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.9.5 GaNo Optoelectronics Recent Developments/Updates
2.10 Beephoton Technology (Changzhou)
2.10.1 Beephoton Technology (Changzhou) Details
2.10.2 Beephoton Technology (Changzhou) Major Business
2.10.3 Beephoton Technology (Changzhou) UV Photodiodes Product and Services
2.10.4 Beephoton Technology (Changzhou) UV Photodiodes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.10.5 Beephoton Technology (Changzhou) Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: UV PHOTODIODES BY MANUFACTURER

3.1 Global UV Photodiodes Sales Quantity by Manufacturer (2021-2026)
3.2 Global UV Photodiodes Revenue by Manufacturer (2021-2026)
3.3 Global UV Photodiodes Average Price by Manufacturer (2021-2026)

+357 96 030922
info@marketpublishers.com

3.4 Market Share Analysis (2025)
3.4.1 Producer Shipments of UV Photodiodes by Manufacturer Revenue ($MM) and Market Share (%): 2025
3.4.2 Top 3 UV Photodiodes Manufacturer Market Share in 2025
3.4.3 Top 6 UV Photodiodes Manufacturer Market Share in 2025
3.5 UV Photodiodes Market: Overall Company Footprint Analysis
3.5.1 UV Photodiodes Market: Region Footprint
3.5.2 UV Photodiodes Market: Company Product Type Footprint
3.5.3 UV Photodiodes Market: Company Product Application Footprint
3.6 New Market Entrants and Barriers to Market Entry
3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global UV Photodiodes Market Size by Region
4.1.1 Global UV Photodiodes Sales Quantity by Region (2021-2032)
4.1.2 Global UV Photodiodes Consumption Value by Region (2021-2032)
4.1.3 Global UV Photodiodes Average Price by Region (2021-2032)
4.2 North America UV Photodiodes Consumption Value (2021-2032)
4.3 Europe UV Photodiodes Consumption Value (2021-2032)
4.4 Asia-Pacific UV Photodiodes Consumption Value (2021-2032)
4.5 South America UV Photodiodes Consumption Value (2021-2032)
4.6 Middle East & Africa UV Photodiodes Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global UV Photodiodes Sales Quantity by Type (2021-2032)
5.2 Global UV Photodiodes Consumption Value by Type (2021-2032)
5.3 Global UV Photodiodes Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global UV Photodiodes Sales Quantity by Application (2021-2032)
6.2 Global UV Photodiodes Consumption Value by Application (2021-2032)
6.3 Global UV Photodiodes Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America UV Photodiodes Sales Quantity by Type (2021-2032)

+357 96 030922
info@marketpublishers.com

7.2 North America UV Photodiodes Sales Quantity by Application (2021-2032)
7.3 North America UV Photodiodes Market Size by Country
7.3.1 North America UV Photodiodes Sales Quantity by Country (2021-2032)
7.3.2 North America UV Photodiodes Consumption Value by Country (2021-2032)
7.3.3 United States Market Size and Forecast (2021-2032)
7.3.4 Canada Market Size and Forecast (2021-2032)
7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe UV Photodiodes Sales Quantity by Type (2021-2032)
8.2 Europe UV Photodiodes Sales Quantity by Application (2021-2032)
8.3 Europe UV Photodiodes Market Size by Country
8.3.1 Europe UV Photodiodes Sales Quantity by Country (2021-2032)
8.3.2 Europe UV Photodiodes Consumption Value by Country (2021-2032)
8.3.3 Germany Market Size and Forecast (2021-2032)
8.3.4 France Market Size and Forecast (2021-2032)
8.3.5 United Kingdom Market Size and Forecast (2021-2032)
8.3.6 Russia Market Size and Forecast (2021-2032)
8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific UV Photodiodes Sales Quantity by Type (2021-2032)
9.2 Asia-Pacific UV Photodiodes Sales Quantity by Application (2021-2032)
9.3 Asia-Pacific UV Photodiodes Market Size by Region
9.3.1 Asia-Pacific UV Photodiodes Sales Quantity by Region (2021-2032)
9.3.2 Asia-Pacific UV Photodiodes Consumption Value by Region (2021-2032)
9.3.3 China Market Size and Forecast (2021-2032)
9.3.4 Japan Market Size and Forecast (2021-2032)
9.3.5 South Korea Market Size and Forecast (2021-2032)
9.3.6 India Market Size and Forecast (2021-2032)
9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America UV Photodiodes Sales Quantity by Type (2021-2032)
10.2 South America UV Photodiodes Sales Quantity by Application (2021-2032)

+357 96 030922
info@marketpublishers.com

10.3 South America UV Photodiodes Market Size by Country
10.3.1 South America UV Photodiodes Sales Quantity by Country (2021-2032)
10.3.2 South America UV Photodiodes Consumption Value by Country (2021-2032)
10.3.3 Brazil Market Size and Forecast (2021-2032)
10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa UV Photodiodes Sales Quantity by Type (2021-2032)
11.2 Middle East & Africa UV Photodiodes Sales Quantity by Application (2021-2032)
11.3 Middle East & Africa UV Photodiodes Market Size by Country
11.3.1 Middle East & Africa UV Photodiodes Sales Quantity by Country (2021-2032)
11.3.2 Middle East & Africa UV Photodiodes Consumption Value by Country (2021-2032)
11.3.3 Turkey Market Size and Forecast (2021-2032)
11.3.4 Egypt Market Size and Forecast (2021-2032)
11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 UV Photodiodes Market Drivers
12.2 UV Photodiodes Market Restraints
12.3 UV Photodiodes Trends Analysis
12.4 Porters Five Forces Analysis
12.4.1 Threat of New Entrants
12.4.2 Bargaining Power of Suppliers
12.4.3 Bargaining Power of Buyers
12.4.4 Threat of Substitutes
12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of UV Photodiodes and Key Manufacturers
13.2 Manufacturing Costs Percentage of UV Photodiodes
13.3 UV Photodiodes Production Process
13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

+357 96 030922
info@marketpublishers.com

14.1 Sales Channel
14.1.1 Direct to End-User
14.1.2 Distributors
14.2 UV Photodiodes Typical Distributors
14.3 UV Photodiodes Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology
16.2 Research Process and Data Source
16.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Global UV Photodiodes Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
Table 2. Global UV Photodiodes Consumption Value by UV Band, (USD Million), 2021 & 2025 & 2032
Table 3. Global UV Photodiodes Consumption Value by Package Type, (USD Million), 2021 & 2025 & 2032
Table 4. Global UV Photodiodes Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Table 5. Hamamatsu Photonics Basic Information, Manufacturing Base and Competitors
Table 6. Hamamatsu Photonics Major Business
Table 7. Hamamatsu Photonics UV Photodiodes Product and Services
Table 8. Hamamatsu Photonics UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 9. Hamamatsu Photonics Recent Developments/Updates
Table 10. Excelitas Technologies Basic Information, Manufacturing Base and Competitors
Table 11. Excelitas Technologies Major Business
Table 12. Excelitas Technologies UV Photodiodes Product and Services
Table 13. Excelitas Technologies UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 14. Excelitas Technologies Recent Developments/Updates
Table 15. OSI Optoelectronics Basic Information, Manufacturing Base and Competitors
Table 16. OSI Optoelectronics Major Business
Table 17. OSI Optoelectronics UV Photodiodes Product and Services
Table 18. OSI Optoelectronics UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 19. OSI Optoelectronics Recent Developments/Updates
Table 20. Opto Diode Basic Information, Manufacturing Base and Competitors
Table 21. Opto Diode Major Business
Table 22. Opto Diode UV Photodiodes Product and Services
Table 23. Opto Diode UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 24. Opto Diode Recent Developments/Updates
Table 25. sglux Basic Information, Manufacturing Base and Competitors

+357 96 030922
info@marketpublishers.com

Table 26. sglux Major Business
Table 27. sglux UV Photodiodes Product and Services
Table 28. sglux UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 29. sglux Recent Developments/Updates
Table 30. ifw optronics Basic Information, Manufacturing Base and Competitors
Table 31. ifw optronics Major Business
Table 32. ifw optronics UV Photodiodes Product and Services
Table 33. ifw optronics UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 34. ifw optronics Recent Developments/Updates
Table 35. Genicom Basic Information, Manufacturing Base and Competitors
Table 36. Genicom Major Business
Table 37. Genicom UV Photodiodes Product and Services
Table 38. Genicom UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 39. Genicom Recent Developments/Updates
Table 40. Marktech Optoelectronics Basic Information, Manufacturing Base and Competitors
Table 41. Marktech Optoelectronics Major Business
Table 42. Marktech Optoelectronics UV Photodiodes Product and Services
Table 43. Marktech Optoelectronics UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 44. Marktech Optoelectronics Recent Developments/Updates
Table 45. GaNo Optoelectronics Basic Information, Manufacturing Base and Competitors
Table 46. GaNo Optoelectronics Major Business
Table 47. GaNo Optoelectronics UV Photodiodes Product and Services
Table 48. GaNo Optoelectronics UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 49. GaNo Optoelectronics Recent Developments/Updates
Table 50. Beephoton Technology (Changzhou) Basic Information, Manufacturing Base and Competitors
Table 51. Beephoton Technology (Changzhou) Major Business
Table 52. Beephoton Technology (Changzhou) UV Photodiodes Product and Services
Table 53. Beephoton Technology (Changzhou) UV Photodiodes Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 54. Beephoton Technology (Changzhou) Recent Developments/Updates

+357 96 030922
info@marketpublishers.com

Table 55. Global UV Photodiodes Sales Quantity by Manufacturer (2021-2026) & (K Units)
Table 56. Global UV Photodiodes Revenue by Manufacturer (2021-2026) & (USD Million)
Table 57. Global UV Photodiodes Average Price by Manufacturer (2021-2026) & (US$/Unit)
Table 58. Market Position of Manufacturers in UV Photodiodes, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
Table 59. Head Office and UV Photodiodes Production Site of Key Manufacturer
Table 60. UV Photodiodes Market: Company Product Type Footprint
Table 61. UV Photodiodes Market: Company Product Application Footprint
Table 62. UV Photodiodes New Market Entrants and Barriers to Market Entry
Table 63. UV Photodiodes Mergers, Acquisition, Agreements, and Collaborations
Table 64. Global UV Photodiodes Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
Table 65. Global UV Photodiodes Sales Quantity by Region (2021-2026) & (K Units)
Table 66. Global UV Photodiodes Sales Quantity by Region (2027-2032) & (K Units)
Table 67. Global UV Photodiodes Consumption Value by Region (2021-2026) & (USD Million)
Table 68. Global UV Photodiodes Consumption Value by Region (2027-2032) & (USD Million)
Table 69. Global UV Photodiodes Average Price by Region (2021-2026) & (US$/Unit)
Table 70. Global UV Photodiodes Average Price by Region (2027-2032) & (US$/Unit)
Table 71. Global UV Photodiodes Sales Quantity by Type (2021-2026) & (K Units)
Table 72. Global UV Photodiodes Sales Quantity by Type (2027-2032) & (K Units)
Table 73. Global UV Photodiodes Consumption Value by Type (2021-2026) & (USD Million)
Table 74. Global UV Photodiodes Consumption Value by Type (2027-2032) & (USD Million)
Table 75. Global UV Photodiodes Average Price by Type (2021-2026) & (US$/Unit)
Table 76. Global UV Photodiodes Average Price by Type (2027-2032) & (US$/Unit)
Table 77. Global UV Photodiodes Sales Quantity by Application (2021-2026) & (K Units)
Table 78. Global UV Photodiodes Sales Quantity by Application (2027-2032) & (K Units)
Table 79. Global UV Photodiodes Consumption Value by Application (2021-2026) & (USD Million)
Table 80. Global UV Photodiodes Consumption Value by Application (2027-2032) & (USD Million)
Table 81. Global UV Photodiodes Average Price by Application (2021-2026) & (US$/Unit)

+357 96 030922
info@marketpublishers.com

Table 82. Global UV Photodiodes Average Price by Application (2027-2032) & (US$/Unit)
Table 83. North America UV Photodiodes Sales Quantity by Type (2021-2026) & (K Units)
Table 84. North America UV Photodiodes Sales Quantity by Type (2027-2032) & (K Units)
Table 85. North America UV Photodiodes Sales Quantity by Application (2021-2026) & (K Units)
Table 86. North America UV Photodiodes Sales Quantity by Application (2027-2032) & (K Units)
Table 87. North America UV Photodiodes Sales Quantity by Country (2021-2026) & (K Units)
Table 88. North America UV Photodiodes Sales Quantity by Country (2027-2032) & (K Units)
Table 89. North America UV Photodiodes Consumption Value by Country (2021-2026) & (USD Million)
Table 90. North America UV Photodiodes Consumption Value by Country (2027-2032) & (USD Million)
Table 91. Europe UV Photodiodes Sales Quantity by Type (2021-2026) & (K Units)
Table 92. Europe UV Photodiodes Sales Quantity by Type (2027-2032) & (K Units)
Table 93. Europe UV Photodiodes Sales Quantity by Application (2021-2026) & (K Units)
Table 94. Europe UV Photodiodes Sales Quantity by Application (2027-2032) & (K Units)
Table 95. Europe UV Photodiodes Sales Quantity by Country (2021-2026) & (K Units)
Table 96. Europe UV Photodiodes Sales Quantity by Country (2027-2032) & (K Units)
Table 97. Europe UV Photodiodes Consumption Value by Country (2021-2026) & (USD Million)
Table 98. Europe UV Photodiodes Consumption Value by Country (2027-2032) & (USD Million)
Table 99. Asia-Pacific UV Photodiodes Sales Quantity by Type (2021-2026) & (K Units)
Table 100. Asia-Pacific UV Photodiodes Sales Quantity by Type (2027-2032) & (K Units)
Table 101. Asia-Pacific UV Photodiodes Sales Quantity by Application (2021-2026) & (K Units)
Table 102. Asia-Pacific UV Photodiodes Sales Quantity by Application (2027-2032) & (K Units)
Table 103. Asia-Pacific UV Photodiodes Sales Quantity by Region (2021-2026) & (K Units)

+357 96 030922
info@marketpublishers.com

Table 104. Asia-Pacific UV Photodiodes Sales Quantity by Region (2027-2032) & (K Units)
Table 105. Asia-Pacific UV Photodiodes Consumption Value by Region (2021-2026) & (USD Million)
Table 106. Asia-Pacific UV Photodiodes Consumption Value by Region (2027-2032) & (USD Million)
Table 107. South America UV Photodiodes Sales Quantity by Type (2021-2026) & (K Units)
Table 108. South America UV Photodiodes Sales Quantity by Type (2027-2032) & (K Units)
Table 109. South America UV Photodiodes Sales Quantity by Application (2021-2026) & (K Units)
Table 110. South America UV Photodiodes Sales Quantity by Application (2027-2032) & (K Units)
Table 111. South America UV Photodiodes Sales Quantity by Country (2021-2026) & (K Units)
Table 112. South America UV Photodiodes Sales Quantity by Country (2027-2032) & (K Units)
Table 113. South America UV Photodiodes Consumption Value by Country (2021-2026) & (USD Million)
Table 114. South America UV Photodiodes Consumption Value by Country (2027-2032) & (USD Million)
Table 115. Middle East & Africa UV Photodiodes Sales Quantity by Type (2021-2026) & (K Units)
Table 116. Middle East & Africa UV Photodiodes Sales Quantity by Type (2027-2032) & (K Units)
Table 117. Middle East & Africa UV Photodiodes Sales Quantity by Application (2021-2026) & (K Units)
Table 118. Middle East & Africa UV Photodiodes Sales Quantity by Application (2027-2032) & (K Units)
Table 119. Middle East & Africa UV Photodiodes Sales Quantity by Country (2021-2026) & (K Units)
Table 120. Middle East & Africa UV Photodiodes Sales Quantity by Country (2027-2032) & (K Units)
Table 121. Middle East & Africa UV Photodiodes Consumption Value by Country (2021-2026) & (USD Million)
Table 122. Middle East & Africa UV Photodiodes Consumption Value by Country (2027-2032) & (USD Million)
Table 123. UV Photodiodes Raw Material

+357 96 030922
info@marketpublishers.com

Table 124. Key Manufacturers of UV Photodiodes Raw Materials
Table 125. UV Photodiodes Typical Distributors
Table 126. UV Photodiodes Typical Customers

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. UV Photodiodes Picture
Figure 2. Global UV Photodiodes Revenue by Type, (USD Million), 2021 & 2025 & 2032
Figure 3. Global UV Photodiodes Revenue Market Share by Type in 2025
Figure 4. Si Examples
Figure 5. SiC Examples
Figure 6. GaN/AlGaN Examples
Figure 7. Global UV Photodiodes Revenue by UV Band, (USD Million), 2021 & 2025 & 2032
Figure 8. Global UV Photodiodes Revenue Market Share by UV Band in 2025
Figure 9. UVA Examples
Figure 10. UVB Examples
Figure 11. UVC Examples
Figure 12. Others Examples
Figure 13. Global UV Photodiodes Revenue by Package Type, (USD Million), 2021 & 2025 & 2032
Figure 14. Global UV Photodiodes Revenue Market Share by Package Type in 2025
Figure 15. Surface-Mount (SMD) Examples
Figure 16. TO Package Examples
Figure 17. Ceramic Package Examples
Figure 18. Others Examples
Figure 19. Global UV Photodiodes Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 20. Global UV Photodiodes Revenue Market Share by Application in 2025
Figure 21. Industrial UV Processing Examples
Figure 22. Disinfection & Sterilization Examples
Figure 23. Flame Detection Examples
Figure 24. Spectroscopic Detection Examples
Figure 25. Others Examples
Figure 26. Global UV Photodiodes Consumption Value, (USD Million): 2021 & 2025 & 2032
Figure 27. Global UV Photodiodes Consumption Value and Forecast (2021-2032) & (USD Million)
Figure 28. Global UV Photodiodes Sales Quantity (2021-2032) & (K Units)
Figure 29. Global UV Photodiodes Price (2021-2032) & (US$/Unit)
Figure 30. Global UV Photodiodes Sales Quantity Market Share by Manufacturer in

+357 96 030922
info@marketpublishers.com

2025
Figure 31. Global UV Photodiodes Revenue Market Share by Manufacturer in 2025
Figure 32. Producer Shipments of UV Photodiodes by Manufacturer Sales ($MM) and Market Share (%): 2025
Figure 33. Top 3 UV Photodiodes Manufacturer (Revenue) Market Share in 2025
Figure 34. Top 6 UV Photodiodes Manufacturer (Revenue) Market Share in 2025
Figure 35. Global UV Photodiodes Sales Quantity Market Share by Region (2021-2032)
Figure 36. Global UV Photodiodes Consumption Value Market Share by Region (2021-2032)
Figure 37. North America UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 38. Europe UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 39. Asia-Pacific UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 40. South America UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 41. Middle East & Africa UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 42. Global UV Photodiodes Sales Quantity Market Share by Type (2021-2032)
Figure 43. Global UV Photodiodes Consumption Value Market Share by Type (2021-2032)
Figure 44. Global UV Photodiodes Average Price by Type (2021-2032) & (US$/Unit)
Figure 45. Global UV Photodiodes Sales Quantity Market Share by Application (2021-2032)
Figure 46. Global UV Photodiodes Revenue Market Share by Application (2021-2032)
Figure 47. Global UV Photodiodes Average Price by Application (2021-2032) & (US$/Unit)
Figure 48. North America UV Photodiodes Sales Quantity Market Share by Type (2021-2032)
Figure 49. North America UV Photodiodes Sales Quantity Market Share by Application (2021-2032)
Figure 50. North America UV Photodiodes Sales Quantity Market Share by Country (2021-2032)
Figure 51. North America UV Photodiodes Consumption Value Market Share by Country (2021-2032)
Figure 52. United States UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 53. Canada UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 54. Mexico UV Photodiodes Consumption Value (2021-2032) & (USD Million)

+357 96 030922
info@marketpublishers.com

Figure 55. Europe UV Photodiodes Sales Quantity Market Share by Type (2021-2032)
Figure 56. Europe UV Photodiodes Sales Quantity Market Share by Application (2021-2032)
Figure 57. Europe UV Photodiodes Sales Quantity Market Share by Country (2021-2032)
Figure 58. Europe UV Photodiodes Consumption Value Market Share by Country (2021-2032)
Figure 59. Germany UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 60. France UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 61. United Kingdom UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 62. Russia UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 63. Italy UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 64. Asia-Pacific UV Photodiodes Sales Quantity Market Share by Type (2021-2032)
Figure 65. Asia-Pacific UV Photodiodes Sales Quantity Market Share by Application (2021-2032)
Figure 66. Asia-Pacific UV Photodiodes Sales Quantity Market Share by Region (2021-2032)
Figure 67. Asia-Pacific UV Photodiodes Consumption Value Market Share by Region (2021-2032)
Figure 68. China UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 69. Japan UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 70. South Korea UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 71. India UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 72. Southeast Asia UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 73. Australia UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 74. South America UV Photodiodes Sales Quantity Market Share by Type (2021-2032)
Figure 75. South America UV Photodiodes Sales Quantity Market Share by Application (2021-2032)
Figure 76. South America UV Photodiodes Sales Quantity Market Share by Country (2021-2032)
Figure 77. South America UV Photodiodes Consumption Value Market Share by Country (2021-2032)
Figure 78. Brazil UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 79. Argentina UV Photodiodes Consumption Value (2021-2032) & (USD Million)

+357 96 030922
info@marketpublishers.com

Figure 80. Middle East & Africa UV Photodiodes Sales Quantity Market Share by Type (2021-2032)
Figure 81. Middle East & Africa UV Photodiodes Sales Quantity Market Share by Application (2021-2032)
Figure 82. Middle East & Africa UV Photodiodes Sales Quantity Market Share by Country (2021-2032)
Figure 83. Middle East & Africa UV Photodiodes Consumption Value Market Share by Country (2021-2032)
Figure 84. Turkey UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 85. Egypt UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 86. Saudi Arabia UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 87. South Africa UV Photodiodes Consumption Value (2021-2032) & (USD Million)
Figure 88. UV Photodiodes Market Drivers
Figure 89. UV Photodiodes Market Restraints
Figure 90. UV Photodiodes Market Trends
Figure 91. Porters Five Forces Analysis
Figure 92. Manufacturing Cost Structure Analysis of UV Photodiodes in 2025
Figure 93. Manufacturing Process Analysis of UV Photodiodes
Figure 94. UV Photodiodes Industrial Chain
Figure 95. Sales Channel: Direct to End-User vs Distributors
Figure 96. Direct Channel Pros & Cons
Figure 97. Indirect Channel Pros & Cons
Figure 98. Methodology
Figure 99. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global UV Photodiodes Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/G6504E8FB2C4EN.html

Price: US$ 3,480.00 (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/G6504E8FB2C4EN.html