

Global Infrared Emitter and Receiver Market 2022 by Manufacturers, Regions, Type and Application, Forecast to 2028

<https://marketpublishers.com/r/G6C7EAA4BBCCEN.html>

Date: March 2022

Pages: 108

Price: US\$ 3,480.00 (Single User License)

ID: G6C7EAA4BBCCEN

Abstracts

The Infrared Emitter and Receiver market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, sales analysis, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

According to our (Global Info Research) latest study, due to COVID-19 pandemic, the global Infrared Emitter and Receiver market size is estimated to be worth US\$ million in 2021 and is forecast to a readjusted size of USD million by 2028 with a CAGR of % during review period. Thermal Heating accounting for % of the Infrared Emitter and Receiver global market in 2021, is projected to value USD million by 2028, growing at a % CAGR in next six years. While Industrial Grade segment is altered to a % CAGR between 2022 and 2028.

Global key manufacturers of Infrared Emitter and Receiver include Rohm Semiconductor, Lite-On Technology, Vishay Intertechnology, Osram Opto Semiconductors, and Honeywell International, etc. In terms of revenue, the global top four players hold a share over % in 2021.

Market segmentation

Infrared Emitter and Receiver market is split by Type and by Application. For the period 2017-2028, the growth among segments provide accurate calculations and forecasts for sales 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 segment by Type, covers

by Grade

Industrial Grade

Sub-industrial

Toy Grade

by Spectrum

Near Infrared Spectrum

Medium Infrared Spectrum

Far Infrared Spectrum

Market segment by Application can be divided into

Thermal Heating

Sensing

Monitoring & Detection

Imaging

Data Transmission

Other

The key market players for global Infrared Emitter and Receiver market are listed below:

Rohm Semiconductor

Lite-On Technology

Vishay Intertechnology

Osram Opto Semiconductors

Honeywell International

Cree

Flir Systems

Murata Manufacturing

Koninklijke Philips N.V.

Texas Instruments

Raytek Corporation

Ulis

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)

The content of the study subjects, includes a total of 15 chapters:

Global Infrared Emitter and Receiver Market 2022 by Manufacturers, Regions, Type and Application, Forecast to...

Chapter 1, to describe Infrared Emitter and Receiver product scope, market overview, market opportunities, market driving force and market risks.

Chapter 2, to profile the top manufacturers of Infrared Emitter and Receiver, with price, sales, revenue and global market share of Infrared Emitter and Receiver from 2019 to 2022.

Chapter 3, the Infrared Emitter and Receiver competitive situation, sales, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Infrared Emitter and Receiver breakdown data are shown at the regional level, to show the sales, revenue and growth by regions, from 2017 to 2028.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2017 to 2028.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales, revenue and market share for key countries in the world, from 2017 to 2022. and Infrared Emitter and Receiver market forecast, by regions, type and application, with sales and revenue, from 2023 to 2028.

Chapter 12, the key raw materials and key suppliers, and industry chain of Infrared Emitter and Receiver.

Chapter 13, 14, and 15, to describe Infrared Emitter and Receiver sales channel, distributors, customers, research findings and conclusion, appendix and data source.

Contents

1 MARKET OVERVIEW

1.1 Infrared Emitter and Receiver Introduction

1.2 Market Analysis by Type

1.2.1 Overview: Global Infrared Emitter and Receiver Revenue by Type: 2017 Versus 2021 Versus 2028

1.2.2 Industrial Grade

1.2.3 Sub-industrial

1.2.4 Toy Grade

1.3 Market Analysis by Application

1.3.1 Overview: Global Infrared Emitter and Receiver Revenue by Application: 2017 Versus 2021 Versus 2028

1.3.2 Thermal Heating

1.3.3 Sensing

1.3.4 Monitoring & Detection

1.3.5 Imaging

1.3.6 Data Transmission

1.3.7 Other

1.4 Global Infrared Emitter and Receiver Market Size & Forecast

1.4.1 Global Infrared Emitter and Receiver Sales in Value (2017 & 2021 & 2028)

1.4.2 Global Infrared Emitter and Receiver Sales in Volume (2017-2028)

1.4.3 Global Infrared Emitter and Receiver Price (2017-2028)

1.5 Global Infrared Emitter and Receiver Production Capacity Analysis

1.5.1 Global Infrared Emitter and Receiver Total Production Capacity (2017-2028)

1.5.2 Global Infrared Emitter and Receiver Production Capacity by Geographic Region

1.6 Market Drivers, Restraints and Trends

1.6.1 Infrared Emitter and Receiver Market Drivers

1.6.2 Infrared Emitter and Receiver Market Restraints

1.6.3 Infrared Emitter and Receiver Trends Analysis

2 MANUFACTURERS PROFILES

2.1 Rohm Semiconductor

2.1.1 Rohm Semiconductor Details

2.1.2 Rohm Semiconductor Major Business

2.1.3 Rohm Semiconductor Infrared Emitter and Receiver Product and Services

2.1.4 Rohm Semiconductor Infrared Emitter and Receiver Sales, Price, Revenue,

Gross Margin and Market Share (2019, 2020, 2021, and 2022)

2.2 Lite-On Technology

2.2.1 Lite-On Technology Details

2.2.2 Lite-On Technology Major Business

2.2.3 Lite-On Technology Infrared Emitter and Receiver Product and Services

2.2.4 Lite-On Technology Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)

2.3 Vishay Intertechnology

2.3.1 Vishay Intertechnology Details

2.3.2 Vishay Intertechnology Major Business

2.3.3 Vishay Intertechnology Infrared Emitter and Receiver Product and Services

2.3.4 Vishay Intertechnology Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)

2.4 Osram Opto Semiconductors

2.4.1 Osram Opto Semiconductors Details

2.4.2 Osram Opto Semiconductors Major Business

2.4.3 Osram Opto Semiconductors Infrared Emitter and Receiver Product and Services

2.4.4 Osram Opto Semiconductors Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)

2.5 Honeywell International

2.5.1 Honeywell International Details

2.5.2 Honeywell International Major Business

2.5.3 Honeywell International Infrared Emitter and Receiver Product and Services

2.5.4 Honeywell International Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)

2.6 Cree

2.6.1 Cree Details

2.6.2 Cree Major Business

2.6.3 Cree Infrared Emitter and Receiver Product and Services

2.6.4 Cree Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)

2.7 Flir Systems

2.7.1 Flir Systems Details

2.7.2 Flir Systems Major Business

2.7.3 Flir Systems Infrared Emitter and Receiver Product and Services

2.7.4 Flir Systems Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)

2.8 Murata Manufacturing

- 2.8.1 Murata Manufacturing Details
- 2.8.2 Murata Manufacturing Major Business
- 2.8.3 Murata Manufacturing Infrared Emitter and Receiver Product and Services
- 2.8.4 Murata Manufacturing Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)
- 2.9 Koninklijke Philips N.V.
 - 2.9.1 Koninklijke Philips N.V. Details
 - 2.9.2 Koninklijke Philips N.V. Major Business
 - 2.9.3 Koninklijke Philips N.V. Infrared Emitter and Receiver Product and Services
 - 2.9.4 Koninklijke Philips N.V. Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)
- 2.10 Texas Instruments
 - 2.10.1 Texas Instruments Details
 - 2.10.2 Texas Instruments Major Business
 - 2.10.3 Texas Instruments Infrared Emitter and Receiver Product and Services
 - 2.10.4 Texas Instruments Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)
- 2.11 Raytek Corporation
 - 2.11.1 Raytek Corporation Details
 - 2.11.2 Raytek Corporation Major Business
 - 2.11.3 Raytek Corporation Infrared Emitter and Receiver Product and Services
 - 2.11.4 Raytek Corporation Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)
- 2.12 Ulis
 - 2.12.1 Ulis Details
 - 2.12.2 Ulis Major Business
 - 2.12.3 Ulis Infrared Emitter and Receiver Product and Services
 - 2.12.4 Ulis Infrared Emitter and Receiver Sales, Price, Revenue, Gross Margin and Market Share (2019, 2020, 2021, and 2022)

3 INFRARED EMITTER AND RECEIVER BREAKDOWN DATA BY MANUFACTURER

- 3.1 Global Infrared Emitter and Receiver Sales in Volume by Manufacturer (2019, 2020, 2021, and 2022)
- 3.2 Global Infrared Emitter and Receiver Revenue by Manufacturer (2019, 2020, 2021, and 2022)
- 3.3 Key Manufacturer Market Position in Infrared Emitter and Receiver
- 3.4 Market Concentration Rate

- 3.4.1 Top 3 Infrared Emitter and Receiver Manufacturer Market Share in 2021
- 3.4.2 Top 6 Infrared Emitter and Receiver Manufacturer Market Share in 2021
- 3.5 Global Infrared Emitter and Receiver Production Capacity by Company: 2021 VS 2022
- 3.6 Manufacturer by Geography: Head Office and Infrared Emitter and Receiver Production Site
- 3.7 New Entrant and Capacity Expansion Plans
- 3.8 Mergers & Acquisitions

4 MARKET ANALYSIS BY REGION

- 4.1 Global Infrared Emitter and Receiver Market Size by Region
 - 4.1.1 Global Infrared Emitter and Receiver Sales in Volume by Region (2017-2028)
 - 4.1.2 Global Infrared Emitter and Receiver Revenue by Region (2017-2028)
- 4.2 North America Infrared Emitter and Receiver Revenue (2017-2028)
- 4.3 Europe Infrared Emitter and Receiver Revenue (2017-2028)
- 4.4 Asia-Pacific Infrared Emitter and Receiver Revenue (2017-2028)
- 4.5 South America Infrared Emitter and Receiver Revenue (2017-2028)
- 4.6 Middle East and Africa Infrared Emitter and Receiver Revenue (2017-2028)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Infrared Emitter and Receiver Sales in Volume by Type (2017-2028)
- 5.2 Global Infrared Emitter and Receiver Revenue by Type (2017-2028)
- 5.3 Global Infrared Emitter and Receiver Price by Type (2017-2028)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Infrared Emitter and Receiver Sales in Volume by Application (2017-2028)
- 6.2 Global Infrared Emitter and Receiver Revenue by Application (2017-2028)
- 6.3 Global Infrared Emitter and Receiver Price by Application (2017-2028)

7 NORTH AMERICA BY COUNTRY, BY TYPE, AND BY APPLICATION

- 7.1 North America Infrared Emitter and Receiver Sales by Type (2017-2028)
- 7.2 North America Infrared Emitter and Receiver Sales by Application (2017-2028)
- 7.3 North America Infrared Emitter and Receiver Market Size by Country
 - 7.3.1 North America Infrared Emitter and Receiver Sales in Volume by Country (2017-2028)

- 7.3.2 North America Infrared Emitter and Receiver Revenue by Country (2017-2028)
- 7.3.3 United States Market Size and Forecast (2017-2028)
- 7.3.4 Canada Market Size and Forecast (2017-2028)
- 7.3.5 Mexico Market Size and Forecast (2017-2028)

8 EUROPE BY COUNTRY, BY TYPE, AND BY APPLICATION

- 8.1 Europe Infrared Emitter and Receiver Sales by Type (2017-2028)
- 8.2 Europe Infrared Emitter and Receiver Sales by Application (2017-2028)
- 8.3 Europe Infrared Emitter and Receiver Market Size by Country
 - 8.3.1 Europe Infrared Emitter and Receiver Sales in Volume by Country (2017-2028)
 - 8.3.2 Europe Infrared Emitter and Receiver Revenue by Country (2017-2028)
 - 8.3.3 Germany Market Size and Forecast (2017-2028)
 - 8.3.4 France Market Size and Forecast (2017-2028)
 - 8.3.5 United Kingdom Market Size and Forecast (2017-2028)
 - 8.3.6 Russia Market Size and Forecast (2017-2028)
 - 8.3.7 Italy Market Size and Forecast (2017-2028)

9 ASIA-PACIFIC BY REGION, BY TYPE, AND BY APPLICATION

- 9.1 Asia-Pacific Infrared Emitter and Receiver Sales by Type (2017-2028)
- 9.2 Asia-Pacific Infrared Emitter and Receiver Sales by Application (2017-2028)
- 9.3 Asia-Pacific Infrared Emitter and Receiver Market Size by Region
 - 9.3.1 Asia-Pacific Infrared Emitter and Receiver Sales in Volume by Region (2017-2028)
 - 9.3.2 Asia-Pacific Infrared Emitter and Receiver Revenue by Region (2017-2028)
 - 9.3.3 China Market Size and Forecast (2017-2028)
 - 9.3.4 Japan Market Size and Forecast (2017-2028)
 - 9.3.5 Korea Market Size and Forecast (2017-2028)
 - 9.3.6 India Market Size and Forecast (2017-2028)
 - 9.3.7 Southeast Asia Market Size and Forecast (2017-2028)
 - 9.3.8 Australia Market Size and Forecast (2017-2028)

10 SOUTH AMERICA BY REGION, BY TYPE, AND BY APPLICATION

- 10.1 South America Infrared Emitter and Receiver Sales by Type (2017-2028)
- 10.2 South America Infrared Emitter and Receiver Sales by Application (2017-2028)
- 10.3 South America Infrared Emitter and Receiver Market Size by Country
 - 10.3.1 South America Infrared Emitter and Receiver Sales in Volume by Country

(2017-2028)

10.3.2 South America Infrared Emitter and Receiver Revenue by Country (2017-2028)

10.3.3 Brazil Market Size and Forecast (2017-2028)

10.3.4 Argentina Market Size and Forecast (2017-2028)

11 MIDDLE EAST & AFRICA BY COUNTRY, BY TYPE, AND BY APPLICATION

11.1 Middle East & Africa Infrared Emitter and Receiver Sales by Type (2017-2028)

11.2 Middle East & Africa Infrared Emitter and Receiver Sales by Application
(2017-2028)

11.3 Middle East & Africa Infrared Emitter and Receiver Market Size by Country

11.3.1 Middle East & Africa Infrared Emitter and Receiver Sales in Volume by Country
(2017-2028)

11.3.2 Middle East & Africa Infrared Emitter and Receiver Revenue by Country
(2017-2028)

11.3.3 Turkey Market Size and Forecast (2017-2028)

11.3.4 Egypt Market Size and Forecast (2017-2028)

11.3.5 Saudi Arabia Market Size and Forecast (2017-2028)

11.3.6 South Africa Market Size and Forecast (2017-2028)

12 RAW MATERIAL AND INDUSTRY CHAIN

12.1 Raw Material of Infrared Emitter and Receiver and Key Manufacturers

12.2 Manufacturing Costs Percentage of Infrared Emitter and Receiver

12.3 Infrared Emitter and Receiver Production Process

12.4 Infrared Emitter and Receiver Industrial Chain

13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

13.1 Sales Channel

13.1.1 Direct Marketing

13.1.2 Indirect Marketing

13.2 Infrared Emitter and Receiver Typical Distributors

13.3 Infrared Emitter and Receiver Typical Customers

14 RESEARCH FINDINGS AND CONCLUSION

15 APPENDIX

15.1 Methodology

15.2 Research Process and Data Source

15.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Infrared Emitter and Receiver Revenue by Type, (USD Million), 2017 & 2021 & 2028

Table 2. Global Infrared Emitter and Receiver Revenue by Application, (USD Million), 2017 & 2021 & 2028

Table 3. Rohm Semiconductor Basic Information, Manufacturing Base and Competitors

Table 4. Rohm Semiconductor Major Business

Table 5. Rohm Semiconductor Infrared Emitter and Receiver Product and Services

Table 6. Rohm Semiconductor Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 7. Lite-On Technology Basic Information, Manufacturing Base and Competitors

Table 8. Lite-On Technology Major Business

Table 9. Lite-On Technology Infrared Emitter and Receiver Product and Services

Table 10. Lite-On Technology Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 11. Vishay Intertechnology Basic Information, Manufacturing Base and Competitors

Table 12. Vishay Intertechnology Major Business

Table 13. Vishay Intertechnology Infrared Emitter and Receiver Product and Services

Table 14. Vishay Intertechnology Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 15. Osram Opto Semiconductors Basic Information, Manufacturing Base and Competitors

Table 16. Osram Opto Semiconductors Major Business

Table 17. Osram Opto Semiconductors Infrared Emitter and Receiver Product and Services

Table 18. Osram Opto Semiconductors Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 19. Honeywell International Basic Information, Manufacturing Base and Competitors

Table 20. Honeywell International Major Business

Table 21. Honeywell International Infrared Emitter and Receiver Product and Services

Table 22. Honeywell International Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 23. Cree Basic Information, Manufacturing Base and Competitors

Table 24. Cree Major Business

Table 25. Cree Infrared Emitter and Receiver Product and Services

Table 26. Cree Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 27. Flir Systems Basic Information, Manufacturing Base and Competitors

Table 28. Flir Systems Major Business

Table 29. Flir Systems Infrared Emitter and Receiver Product and Services

Table 30. Flir Systems Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 31. Murata Manufacturing Basic Information, Manufacturing Base and Competitors

Table 32. Murata Manufacturing Major Business

Table 33. Murata Manufacturing Infrared Emitter and Receiver Product and Services

Table 34. Murata Manufacturing Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 35. Koninklijke Philips N.V. Basic Information, Manufacturing Base and Competitors

Table 36. Koninklijke Philips N.V. Major Business

Table 37. Koninklijke Philips N.V. Infrared Emitter and Receiver Product and Services

Table 38. Koninklijke Philips N.V. Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 39. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 40. Texas Instruments Major Business

Table 41. Texas Instruments Infrared Emitter and Receiver Product and Services

Table 42. Texas Instruments Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 43. Raytek Corporation Basic Information, Manufacturing Base and Competitors

Table 44. Raytek Corporation Major Business

Table 45. Raytek Corporation Infrared Emitter and Receiver Product and Services

Table 46. Raytek Corporation Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 47. Ulis Basic Information, Manufacturing Base and Competitors

Table 48. Ulis Major Business

Table 49. Ulis Infrared Emitter and Receiver Product and Services

Table 50. Ulis Infrared Emitter and Receiver Sales (K Units), Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019, 2020, 2021, and 2022)

Table 51. Global Infrared Emitter and Receiver Sales by Manufacturer (2019, 2020, 2021, and 2022) & (K Units)

Table 52. Global Infrared Emitter and Receiver Revenue by Manufacturer (2019, 2020, 2021, and 2022) & (USD Million)

Table 53. Market Position of Manufacturers in Infrared Emitter and Receiver, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2021

Table 54. Global Infrared Emitter and Receiver Production Capacity by Company, (K Units): 2020 VS 2021

Table 55. Head Office and Infrared Emitter and Receiver Production Site of Key Manufacturer

Table 56. Infrared Emitter and Receiver New Entrant and Capacity Expansion Plans

Table 57. Infrared Emitter and Receiver Mergers & Acquisitions in the Past Five Years

Table 58. Global Infrared Emitter and Receiver Sales by Region (2017-2022) & (K Units)

Table 59. Global Infrared Emitter and Receiver Sales by Region (2023-2028) & (K Units)

Table 60. Global Infrared Emitter and Receiver Revenue by Region (2017-2022) & (USD Million)

Table 61. Global Infrared Emitter and Receiver Revenue by Region (2023-2028) & (USD Million)

Table 62. Global Infrared Emitter and Receiver Sales by Type (2017-2022) & (K Units)

Table 63. Global Infrared Emitter and Receiver Sales by Type (2023-2028) & (K Units)

Table 64. Global Infrared Emitter and Receiver Revenue by Type (2017-2022) & (USD Million)

Table 65. Global Infrared Emitter and Receiver Revenue by Type (2023-2028) & (USD Million)

Table 66. Global Infrared Emitter and Receiver Price by Type (2017-2022) & (US\$/Unit)

Table 67. Global Infrared Emitter and Receiver Price by Type (2023-2028) & (US\$/Unit)

Table 68. Global Infrared Emitter and Receiver Sales by Application (2017-2022) & (K Units)

Table 69. Global Infrared Emitter and Receiver Sales by Application (2023-2028) & (K Units)

Table 70. Global Infrared Emitter and Receiver Revenue by Application (2017-2022) & (USD Million)

Table 71. Global Infrared Emitter and Receiver Revenue by Application (2023-2028) & (USD Million)

Table 72. Global Infrared Emitter and Receiver Price by Application (2017-2022) & (US\$/Unit)

Table 73. Global Infrared Emitter and Receiver Price by Application (2023-2028) & (US\$/Unit)

Table 74. North America Infrared Emitter and Receiver Sales by Country (2017-2022) & (K Units)

Table 75. North America Infrared Emitter and Receiver Sales by Country (2023-2028) & (K Units)

Table 76. North America Infrared Emitter and Receiver Revenue by Country (2017-2022) & (USD Million)

Table 77. North America Infrared Emitter and Receiver Revenue by Country (2023-2028) & (USD Million)

Table 78. North America Infrared Emitter and Receiver Sales by Type (2017-2022) & (K Units)

Table 79. North America Infrared Emitter and Receiver Sales by Type (2023-2028) & (K Units)

Table 80. North America Infrared Emitter and Receiver Sales by Application (2017-2022) & (K Units)

Table 81. North America Infrared Emitter and Receiver Sales by Application (2023-2028) & (K Units)

Table 82. Europe Infrared Emitter and Receiver Sales by Country (2017-2022) & (K Units)

Table 83. Europe Infrared Emitter and Receiver Sales by Country (2023-2028) & (K Units)

Table 84. Europe Infrared Emitter and Receiver Revenue by Country (2017-2022) & (USD Million)

Table 85. Europe Infrared Emitter and Receiver Revenue by Country (2023-2028) & (USD Million)

Table 86. Europe Infrared Emitter and Receiver Sales by Type (2017-2022) & (K Units)

Table 87. Europe Infrared Emitter and Receiver Sales by Type (2023-2028) & (K Units)

Table 88. Europe Infrared Emitter and Receiver Sales by Application (2017-2022) & (K Units)

Table 89. Europe Infrared Emitter and Receiver Sales by Application (2023-2028) & (K Units)

Table 90. Asia-Pacific Infrared Emitter and Receiver Sales by Region (2017-2022) & (K Units)

Table 91. Asia-Pacific Infrared Emitter and Receiver Sales by Region (2023-2028) & (K Units)

Units)

Table 92. Asia-Pacific Infrared Emitter and Receiver Revenue by Region (2017-2022) & (USD Million)

Table 93. Asia-Pacific Infrared Emitter and Receiver Revenue by Region (2023-2028) & (USD Million)

Table 94. Asia-Pacific Infrared Emitter and Receiver Sales by Type (2017-2022) & (K Units)

Table 95. Asia-Pacific Infrared Emitter and Receiver Sales by Type (2023-2028) & (K Units)

Table 96. Asia-Pacific Infrared Emitter and Receiver Sales by Application (2017-2022) & (K Units)

Table 97. Asia-Pacific Infrared Emitter and Receiver Sales by Application (2023-2028) & (K Units)

Table 98. South America Infrared Emitter and Receiver Sales by Country (2017-2022) & (K Units)

Table 99. South America Infrared Emitter and Receiver Sales by Country (2023-2028) & (K Units)

Table 100. South America Infrared Emitter and Receiver Revenue by Country (2017-2022) & (USD Million)

Table 101. South America Infrared Emitter and Receiver Revenue by Country (2023-2028) & (USD Million)

Table 102. South America Infrared Emitter and Receiver Sales by Type (2017-2022) & (K Units)

Table 103. South America Infrared Emitter and Receiver Sales by Type (2023-2028) & (K Units)

Table 104. South America Infrared Emitter and Receiver Sales by Application (2017-2022) & (K Units)

Table 105. South America Infrared Emitter and Receiver Sales by Application (2023-2028) & (K Units)

Table 106. Middle East & Africa Infrared Emitter and Receiver Sales by Region (2017-2022) & (K Units)

Table 107. Middle East & Africa Infrared Emitter and Receiver Sales by Region (2023-2028) & (K Units)

Table 108. Middle East & Africa Infrared Emitter and Receiver Revenue by Region (2017-2022) & (USD Million)

Table 109. Middle East & Africa Infrared Emitter and Receiver Revenue by Region (2023-2028) & (USD Million)

Table 110. Middle East & Africa Infrared Emitter and Receiver Sales by Type (2017-2022) & (K Units)

Table 111. Middle East & Africa Infrared Emitter and Receiver Sales by Type
(2023-2028) & (K Units)

Table 112. Middle East & Africa Infrared Emitter and Receiver Sales by Application
(2017-2022) & (K Units)

Table 113. Middle East & Africa Infrared Emitter and Receiver Sales by Application
(2023-2028) & (K Units)

Table 114. Infrared Emitter and Receiver Raw Material

Table 115. Key Manufacturers of Infrared Emitter and Receiver Raw Materials

Table 116. Direct Channel Pros & Cons

Table 117. Indirect Channel Pros & Cons

Table 118. Infrared Emitter and Receiver Typical Distributors

Table 119. Infrared Emitter and Receiver Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Infrared Emitter and Receiver Picture

Figure 2. Global Infrared Emitter and Receiver Revenue Market Share by Type in 2021

Figure 3. Industrial Grade

Figure 4. Sub-industrial

Figure 5. Toy Grade

Figure 6. Global Infrared Emitter and Receiver Revenue Market Share by Application in 2021

Figure 7. Thermal Heating

Figure 8. Sensing

Figure 9. Monitoring & Detection

Figure 10. Imaging

Figure 11. Data Transmission

Figure 12. Other

Figure 13. Global Infrared Emitter and Receiver Revenue, (USD Million) & (K Units): 2017 & 2021 & 2028

Figure 14. Global Infrared Emitter and Receiver Revenue and Forecast (2017-2028) & (USD Million)

Figure 15. Global Infrared Emitter and Receiver Sales (2017-2028) & (K Units)

Figure 16. Global Infrared Emitter and Receiver Price (2017-2028) & (US\$/Unit)

Figure 17. Global Infrared Emitter and Receiver Production Capacity (2017-2028) & (K Units)

Figure 18. Global Infrared Emitter and Receiver Production Capacity by Geographic Region: 2022 VS 2028

Figure 19. Infrared Emitter and Receiver Market Drivers

Figure 20. Infrared Emitter and Receiver Market Restraints

Figure 21. Infrared Emitter and Receiver Market Trends

Figure 22. Global Infrared Emitter and Receiver Sales Market Share by Manufacturer in 2021

Figure 23. Global Infrared Emitter and Receiver Revenue Market Share by Manufacturer in 2021

Figure 24. Infrared Emitter and Receiver Market Share by Company Type (Tier 1, Tier 2, and Tier 3) in 2021

Figure 25. Top 3 Infrared Emitter and Receiver Manufacturer (Revenue) Market Share in 2021

Figure 26. Top 6 Infrared Emitter and Receiver Manufacturer (Revenue) Market Share

in 2021

Figure 27. Global Infrared Emitter and Receiver Sales Market Share by Region (2017-2028)

Figure 28. Global Infrared Emitter and Receiver Revenue Market Share by Region (2017-2028)

Figure 29. North America Infrared Emitter and Receiver Revenue (2017-2028) & (USD Million)

Figure 30. Europe Infrared Emitter and Receiver Revenue (2017-2028) & (USD Million)

Figure 31. Asia-Pacific Infrared Emitter and Receiver Revenue (2017-2028) & (USD Million)

Figure 32. South America Infrared Emitter and Receiver Revenue (2017-2028) & (USD Million)

Figure 33. Middle East & Africa Infrared Emitter and Receiver Revenue (2017-2028) & (USD Million)

Figure 34. Global Infrared Emitter and Receiver Sales Market Share by Type (2017-2028)

Figure 35. Global Infrared Emitter and Receiver Revenue Market Share by Type (2017-2028)

Figure 36. Global Infrared Emitter and Receiver Price by Type (2017-2028) & (US\$/Unit)

Figure 37. Global Infrared Emitter and Receiver Sales Market Share by Application (2017-2028)

Figure 38. Global Infrared Emitter and Receiver Revenue Market Share by Application (2017-2028)

Figure 39. Global Infrared Emitter and Receiver Price by Application (2017-2028) & (US\$/Unit)

Figure 40. North America Infrared Emitter and Receiver Sales Market Share by Type (2017-2028)

Figure 41. North America Infrared Emitter and Receiver Sales Market Share by Application (2017-2028)

Figure 42. North America Infrared Emitter and Receiver Sales Market Share by Country (2017-2028)

Figure 43. North America Infrared Emitter and Receiver Revenue Market Share by Country (2017-2028)

Figure 44. United States Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) & (USD Million)

Figure 45. Canada Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) & (USD Million)

Figure 46. Mexico Infrared Emitter and Receiver Revenue and Growth Rate

(2017-2028) & (USD Million)

Figure 47. Europe Infrared Emitter and Receiver Sales Market Share by Type
(2017-2028)

Figure 48. Europe Infrared Emitter and Receiver Sales Market Share by Application
(2017-2028)

Figure 49. Europe Infrared Emitter and Receiver Sales Market Share by Country
(2017-2028)

Figure 50. Europe Infrared Emitter and Receiver Revenue Market Share by Country
(2017-2028)

Figure 51. Germany Infrared Emitter and Receiver Revenue and Growth Rate
(2017-2028) & (USD Million)

Figure 52. France Infrared Emitter and Receiver Revenue and Growth Rate
(2017-2028) & (USD Million)

Figure 53. United Kingdom Infrared Emitter and Receiver Revenue and Growth Rate
(2017-2028) & (USD Million)

Figure 54. Russia Infrared Emitter and Receiver Revenue and Growth Rate
(2017-2028) & (USD Million)

Figure 55. Italy Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) &
(USD Million)

Figure 56. Asia-Pacific Infrared Emitter and Receiver Sales Market Share by Region
(2017-2028)

Figure 57. Asia-Pacific Infrared Emitter and Receiver Sales Market Share by Application
(2017-2028)

Figure 58. Asia-Pacific Infrared Emitter and Receiver Sales Market Share by Region
(2017-2028)

Figure 59. Asia-Pacific Infrared Emitter and Receiver Revenue Market Share by Region
(2017-2028)

Figure 60. China Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028)
& (USD Million)

Figure 61. Japan Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028)
& (USD Million)

Figure 62. Korea Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028)
& (USD Million)

Figure 63. India Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028)
& (USD Million)

Figure 64. Southeast Asia Infrared Emitter and Receiver Revenue and Growth Rate
(2017-2028) & (USD Million)

Figure 65. Australia Infrared Emitter and Receiver Revenue and Growth Rate
(2017-2028) & (USD Million)

Figure 66. South America Infrared Emitter and Receiver Sales Market Share by Type (2017-2028)

Figure 67. South America Infrared Emitter and Receiver Sales Market Share by Application (2017-2028)

Figure 68. South America Infrared Emitter and Receiver Sales Market Share by Country (2017-2028)

Figure 69. South America Infrared Emitter and Receiver Revenue Market Share by Country (2017-2028)

Figure 70. Brazil Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) & (USD Million)

Figure 71. Argentina Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) & (USD Million)

Figure 72. Middle East & Africa Infrared Emitter and Receiver Sales Market Share by Type (2017-2028)

Figure 73. Middle East & Africa Infrared Emitter and Receiver Sales Market Share by Application (2017-2028)

Figure 74. Middle East & Africa Infrared Emitter and Receiver Sales Market Share by Region (2017-2028)

Figure 75. Middle East & Africa Infrared Emitter and Receiver Revenue Market Share by Region (2017-2028)

Figure 76. Turkey Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) & (USD Million)

Figure 77. Egypt Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) & (USD Million)

Figure 78. Saudi Arabia Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) & (USD Million)

Figure 79. South Africa Infrared Emitter and Receiver Revenue and Growth Rate (2017-2028) & (USD Million)

Figure 80. Manufacturing Cost Structure Analysis of Infrared Emitter and Receiver in 2021

Figure 81. Manufacturing Process Analysis of Infrared Emitter and Receiver

Figure 82. Infrared Emitter and Receiver Industrial Chain

Figure 83. Sales Channel: Direct Channel vs Indirect Channel

Figure 84. Methodology

Figure 85. Research Process and Data Source

I would like to order

Product name: Global Infrared Emitter and Receiver Market 2022 by Manufacturers, Regions, Type and Application, Forecast to 2028

Product link: <https://marketpublishers.com/r/G6C7EAA4BBCCEN.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/G6C7EAA4BBCCEN.html>