

# Global Thermal Monocular Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Thermal Monocular market size is expected to reach \$ 906 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

In 2025, global Thermal Monocular production reached approximately 911 K units, with an average global market price of around US\$ 679.5 per unit.

Thermal Monocular is a monocular observation device that uses infrared thermal imaging technology to detect the temperature difference between a target and its environment and convert it into a visual image. It does not rely on visible light and can work in darkness, fog, smoke, or low light conditions. It is commonly used in security patrols, outdoor hunting, search and rescue, law enforcement patrols, and industrial inspections. Its features include portability, high concealment, and one-handed operation.

The thermal monocular market is experiencing significant growth due to several factors. One of the major drivers is the increasing demand for thermal imaging technology in various applications such as military and defense, law enforcement, search and rescue operations, and wildlife observation. Thermal monoculars provide enhanced visibility in low-light conditions, making them ideal for these applications. The market is witnessing a high concentration of sales in regions such as North America and Europe. These regions have a strong presence of military and defense organizations, which are the major end-users of thermal monoculars. Additionally, the increasing adoption of thermal imaging technology in law enforcement agencies and the growing popularity of outdoor activities such as hunting and camping are contributing to the market growth in these regions. However, there are also significant market opportunities in emerging economies such as China, India, and Brazil. These countries are witnessing rapid industrialization

and urbanization, leading to increased investments in infrastructure development and security measures. This, in turn, is driving the demand for thermal monoculars in these regions. Despite the positive market outlook, there are some challenges that need to be addressed. One of the major challenges is the high cost of thermal monoculars. The advanced technology and specialized components used in these devices make them expensive, limiting their adoption in price-sensitive markets. Manufacturers need to focus on reducing the cost of production to make thermal monoculars more affordable and accessible. Another challenge is the limited range of thermal monoculars. Most devices have a range of a few hundred meters, which may not be sufficient for certain applications. Manufacturers need to invest in research and development to improve the range and performance of thermal monoculars.

This report studies the global Thermal Monocular production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Thermal Monocular and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Thermal Monocular that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Thermal Monocular total production and demand, 2021-2032, (K Units)

Global Thermal Monocular total production value, 2021-2032, (USD Million)

Global Thermal Monocular production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Thermal Monocular consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Thermal Monocular domestic production, consumption, key domestic manufacturers and share

Global Thermal Monocular production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Thermal Monocular production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Thermal Monocular production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Thermal Monocular market based on the following parameters - company overview, production, value, price, gross margin,

product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include AGM Global Vision, Pulsar, Hikmicro, FLIR, Bushnell, Burris Optics, ATN Corp, ThermTec, Bering Optics, Leupold, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Thermal Monocular market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Thermal Monocular Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Thermal Monocular Market, Segmentation by Type:

Handheld Thermal Monocular

Helmet-mounted Thermal Monocular

Clip-on Thermal Monocular

Global Thermal Monocular Market, Segmentation by Functional Integration:

Basic Viewing

Rangefinder-Integrated

Others

Global Thermal Monocular Market, Segmentation by Resolution:

Entry-Level Resolution

Mid-Range Resolution

High Resolution

Ultra-High Resolution

Global Thermal Monocular Market, Segmentation by Application:

Military

Hunting

Rescue

Others

Companies Profiled:

AGM Global Vision

Pulsar

Hikmicro

FLIR

Bushnell

Burriss Optics

ATN Corp

ThermTec

Bering Optics

Leupold

Sector Optics

Zeiss

Trijicon

L3Harris

Guide Sensmart

Night Tech

iRayUSA

Hikmicro

N-Vision Optics

Pard

**Key Questions Answered:**

1. How big is the global Thermal Monocular market?
2. What is the demand of the global Thermal Monocular market?
3. What is the year over year growth of the global Thermal Monocular market?
4. What is the production and production value of the global Thermal Monocular market?
5. Who are the key producers in the global Thermal Monocular market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 BGA Rework Station Introduction
- 1.2 World BGA Rework Station Supply & Forecast
  - 1.2.1 World BGA Rework Station Production Value (2021 & 2025 & 2032)
  - 1.2.2 World BGA Rework Station Production (2021-2032)
  - 1.2.3 World BGA Rework Station Pricing Trends (2021-2032)
- 1.3 World BGA Rework Station Production by Region (Based on Production Site)
  - 1.3.1 World BGA Rework Station Production Value by Region (2021-2032)
  - 1.3.2 World BGA Rework Station Production by Region (2021-2032)
  - 1.3.3 World BGA Rework Station Average Price by Region (2021-2032)
  - 1.3.4 North America BGA Rework Station Production (2021-2032)
  - 1.3.5 Europe BGA Rework Station Production (2021-2032)
  - 1.3.6 China BGA Rework Station Production (2021-2032)
  - 1.3.7 Japan BGA Rework Station Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 BGA Rework Station Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 BGA Rework Station Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World BGA Rework Station Demand (2021-2032)
- 2.2 World BGA Rework Station Consumption by Region
  - 2.2.1 World BGA Rework Station Consumption by Region (2021-2026)
  - 2.2.2 World BGA Rework Station Consumption Forecast by Region (2027-2032)
- 2.3 United States BGA Rework Station Consumption (2021-2032)
- 2.4 China BGA Rework Station Consumption (2021-2032)
- 2.5 Europe BGA Rework Station Consumption (2021-2032)
- 2.6 Japan BGA Rework Station Consumption (2021-2032)
- 2.7 South Korea BGA Rework Station Consumption (2021-2032)
- 2.8 ASEAN BGA Rework Station Consumption (2021-2032)
- 2.9 India BGA Rework Station Consumption (2021-2032)

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World BGA Rework Station Production Value by Manufacturer (2021-2026)

- 3.2 World BGA Rework Station Production by Manufacturer (2021-2026)
- 3.3 World BGA Rework Station Average Price by Manufacturer (2021-2026)
- 3.4 BGA Rework Station Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global BGA Rework Station Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for BGA Rework Station in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for BGA Rework Station in 2025
- 3.6 BGA Rework Station Market: Overall Company Footprint Analysis
  - 3.6.1 BGA Rework Station Market: Region Footprint
  - 3.6.2 BGA Rework Station Market: Company Product Type Footprint
  - 3.6.3 BGA Rework Station Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: BGA Rework Station Production Value Comparison
  - 4.1.1 United States VS China: BGA Rework Station Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: BGA Rework Station Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: BGA Rework Station Production Comparison
  - 4.2.1 United States VS China: BGA Rework Station Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: BGA Rework Station Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: BGA Rework Station Consumption Comparison
  - 4.3.1 United States VS China: BGA Rework Station Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: BGA Rework Station Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based BGA Rework Station Manufacturers and Market Share, 2021-2026
  - 4.4.1 United States Based BGA Rework Station Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers BGA Rework Station Production Value (2021-2026)

4.4.3 United States Based Manufacturers BGA Rework Station Production (2021-2026)

4.5 China Based BGA Rework Station Manufacturers and Market Share

4.5.1 China Based BGA Rework Station Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers BGA Rework Station Production Value (2021-2026)

4.5.3 China Based Manufacturers BGA Rework Station Production (2021-2026)

4.6 Rest of World Based BGA Rework Station Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based BGA Rework Station Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers BGA Rework Station Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers BGA Rework Station Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World BGA Rework Station Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Optical Alignment

5.2.2 Non-optical Alignment

5.3 Market Segment by Type

5.3.1 World BGA Rework Station Production by Type (2021-2032)

5.3.2 World BGA Rework Station Production Value by Type (2021-2032)

5.3.3 World BGA Rework Station Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY PRODUCT**

6.1 World BGA Rework Station Market Size Overview by Product: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Product

6.2.1 Fully Automatic

6.2.2 Semi-automatic

6.3 Market Segment by Product

6.3.1 World BGA Rework Station Production by Product (2021-2032)

6.3.2 World BGA Rework Station Production Value by Product (2021-2032)

### 6.3.3 World BGA Rework Station Average Price by Product (2021-2032)

## **7 MARKET ANALYSIS BY HEATING**

### 7.1 World BGA Rework Station Market Size Overview by Heating: 2021 VS 2025 VS 2032

#### 7.2 Segment Introduction by Heating

##### 7.2.1 Hot Air Type

##### 7.2.2 Infrared (IR) Type

##### 7.2.3 Other

#### 7.3 Market Segment by Heating

##### 7.3.1 World BGA Rework Station Production by Heating (2021-2032)

##### 7.3.2 World BGA Rework Station Production Value by Heating (2021-2032)

##### 7.3.3 World BGA Rework Station Average Price by Heating (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

### 8.1 World BGA Rework Station Market Size Overview by Application: 2021 VS 2025 VS 2032

#### 8.2 Segment Introduction by Application

##### 8.2.1 Consumer Electronics

##### 8.2.2 Telecom & Networking

##### 8.2.3 Industrial Electronics

##### 8.2.4 Others

#### 8.3 Market Segment by Application

##### 8.3.1 World BGA Rework Station Production by Application (2021-2032)

##### 8.3.2 World BGA Rework Station Production Value by Application (2021-2032)

##### 8.3.3 World BGA Rework Station Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

### 9.1 Kurtz Ersä

#### 9.1.1 Kurtz Ersä Details

#### 9.1.2 Kurtz Ersä Major Business

#### 9.1.3 Kurtz Ersä BGA Rework Station Product and Services

#### 9.1.4 Kurtz Ersä BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 9.1.5 Kurtz Ersä Recent Developments/Updates

#### 9.1.6 Kurtz Ersä Competitive Strengths & Weaknesses

## 9.2 PDR Rework

### 9.2.1 PDR Rework Details

### 9.2.2 PDR Rework Major Business

### 9.2.3 PDR Rework BGA Rework Station Product and Services

### 9.2.4 PDR Rework BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.2.5 PDR Rework Recent Developments/Updates

### 9.2.6 PDR Rework Competitive Strengths & Weaknesses

## 9.3 VJ Electronix

### 9.3.1 VJ Electronix Details

### 9.3.2 VJ Electronix Major Business

### 9.3.3 VJ Electronix BGA Rework Station Product and Services

### 9.3.4 VJ Electronix BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.3.5 VJ Electronix Recent Developments/Updates

### 9.3.6 VJ Electronix Competitive Strengths & Weaknesses

## 9.4 Finetech

### 9.4.1 Finetech Details

### 9.4.2 Finetech Major Business

### 9.4.3 Finetech BGA Rework Station Product and Services

### 9.4.4 Finetech BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.4.5 Finetech Recent Developments/Updates

### 9.4.6 Finetech Competitive Strengths & Weaknesses

## 9.5 Quick Intelligent

### 9.5.1 Quick Intelligent Details

### 9.5.2 Quick Intelligent Major Business

### 9.5.3 Quick Intelligent BGA Rework Station Product and Services

### 9.5.4 Quick Intelligent BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.5.5 Quick Intelligent Recent Developments/Updates

### 9.5.6 Quick Intelligent Competitive Strengths & Weaknesses

## 9.6 PACE Worldwide

### 9.6.1 PACE Worldwide Details

### 9.6.2 PACE Worldwide Major Business

### 9.6.3 PACE Worldwide BGA Rework Station Product and Services

### 9.6.4 PACE Worldwide BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.6.5 PACE Worldwide Recent Developments/Updates

- 9.6.6 PACE Worldwide Competitive Strengths & Weaknesses
- 9.7 Den-On Instruments
  - 9.7.1 Den-On Instruments Details
  - 9.7.2 Den-On Instruments Major Business
  - 9.7.3 Den-On Instruments BGA Rework Station Product and Services
  - 9.7.4 Den-On Instruments BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.7.5 Den-On Instruments Recent Developments/Updates
  - 9.7.6 Den-On Instruments Competitive Strengths & Weaknesses
- 9.8 Meisho
  - 9.8.1 Meisho Details
  - 9.8.2 Meisho Major Business
  - 9.8.3 Meisho BGA Rework Station Product and Services
  - 9.8.4 Meisho BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.8.5 Meisho Recent Developments/Updates
  - 9.8.6 Meisho Competitive Strengths & Weaknesses
- 9.9 Dinghua Innovation
  - 9.9.1 Dinghua Innovation Details
  - 9.9.2 Dinghua Innovation Major Business
  - 9.9.3 Dinghua Innovation BGA Rework Station Product and Services
  - 9.9.4 Dinghua Innovation BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.9.5 Dinghua Innovation Recent Developments/Updates
  - 9.9.6 Dinghua Innovation Competitive Strengths & Weaknesses
- 9.10 Seamark
  - 9.10.1 Seamark Details
  - 9.10.2 Seamark Major Business
  - 9.10.3 Seamark BGA Rework Station Product and Services
  - 9.10.4 Seamark BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 Seamark Recent Developments/Updates
  - 9.10.6 Seamark Competitive Strengths & Weaknesses
- 9.11 Neoden Technology
  - 9.11.1 Neoden Technology Details
  - 9.11.2 Neoden Technology Major Business
  - 9.11.3 Neoden Technology BGA Rework Station Product and Services
  - 9.11.4 Neoden Technology BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.11.5 Neoden Technology Recent Developments/Updates
- 9.11.6 Neoden Technology Competitive Strengths & Weaknesses
- 9.12 DEZ Smart Tech
  - 9.12.1 DEZ Smart Tech Details
  - 9.12.2 DEZ Smart Tech Major Business
  - 9.12.3 DEZ Smart Tech BGA Rework Station Product and Services
  - 9.12.4 DEZ Smart Tech BGA Rework Station Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.12.5 DEZ Smart Tech Recent Developments/Updates
  - 9.12.6 DEZ Smart Tech Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 BGA Rework Station Industry Chain
- 10.2 BGA Rework Station Upstream Analysis
  - 10.2.1 BGA Rework Station Core Raw Materials
  - 10.2.2 Main Manufacturers of BGA Rework Station Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 BGA Rework Station Production Mode
- 10.6 BGA Rework Station Procurement Model
- 10.7 BGA Rework Station Industry Sales Model and Sales Channels
  - 10.7.1 BGA Rework Station Sales Model
  - 10.7.2 BGA Rework Station Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

- Table 1. World Thermal Monocular Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World Thermal Monocular Production Value by Region (2021-2026) & (USD Million)
- Table 3. World Thermal Monocular Production Value by Region (2027-2032) & (USD Million)
- Table 4. World Thermal Monocular Production Value Market Share by Region (2021-2026)
- Table 5. World Thermal Monocular Production Value Market Share by Region (2027-2032)
- Table 6. World Thermal Monocular Production by Region (2021-2026) & (K Units)
- Table 7. World Thermal Monocular Production by Region (2027-2032) & (K Units)
- Table 8. World Thermal Monocular Production Market Share by Region (2021-2026)
- Table 9. World Thermal Monocular Production Market Share by Region (2027-2032)
- Table 10. World Thermal Monocular Average Price by Region (2021-2026) & (US\$/Unit)
- Table 11. World Thermal Monocular Average Price by Region (2027-2032) & (US\$/Unit)
- Table 12. Thermal Monocular Major Market Trends
- Table 13. World Thermal Monocular Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)
- Table 14. World Thermal Monocular Consumption by Region (2021-2026) & (K Units)
- Table 15. World Thermal Monocular Consumption Forecast by Region (2027-2032) & (K Units)
- Table 16. World Thermal Monocular Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key Thermal Monocular Producers in 2025
- Table 18. World Thermal Monocular Production by Manufacturer (2021-2026) & (K Units)
- Table 19. Production Market Share of Key Thermal Monocular Producers in 2025
- Table 20. World Thermal Monocular Average Price by Manufacturer (2021-2026) & (US\$/Unit)
- Table 21. Global Thermal Monocular Company Evaluation Quadrant
- Table 22. World Thermal Monocular Industry Rank of Major Manufacturers, Based on Production Value in 2025
- Table 23. Head Office and Thermal Monocular Production Site of Key Manufacturer
- Table 24. Thermal Monocular Market: Company Product Type Footprint

- Table 25. Thermal Monocular Market: Company Product Application Footprint
- Table 26. Thermal Monocular Competitive Factors
- Table 27. Thermal Monocular New Entrant and Capacity Expansion Plans
- Table 28. Thermal Monocular Mergers & Acquisitions Activity
- Table 29. United States VS China Thermal Monocular Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 30. United States VS China Thermal Monocular Production Comparison, (2021 & 2025 & 2032) & (K Units)
- Table 31. United States VS China Thermal Monocular Consumption Comparison, (2021 & 2025 & 2032) & (K Units)
- Table 32. United States Based Thermal Monocular Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Thermal Monocular Production Value, (2021-2026) & (USD Million)
- Table 34. United States Based Manufacturers Thermal Monocular Production Value Market Share (2021-2026)
- Table 35. United States Based Manufacturers Thermal Monocular Production (2021-2026) & (K Units)
- Table 36. United States Based Manufacturers Thermal Monocular Production Market Share (2021-2026)
- Table 37. China Based Thermal Monocular Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Thermal Monocular Production Value, (2021-2026) & (USD Million)
- Table 39. China Based Manufacturers Thermal Monocular Production Value Market Share (2021-2026)
- Table 40. China Based Manufacturers Thermal Monocular Production, (2021-2026) & (K Units)
- Table 41. China Based Manufacturers Thermal Monocular Production Market Share (2021-2026)
- Table 42. Rest of World Based Thermal Monocular Manufacturers, Headquarters and Production Site (State, Country)
- Table 43. Rest of World Based Manufacturers Thermal Monocular Production Value, (2021-2026) & (USD Million)
- Table 44. Rest of World Based Manufacturers Thermal Monocular Production Value Market Share (2021-2026)
- Table 45. Rest of World Based Manufacturers Thermal Monocular Production, (2021-2026) & (K Units)
- Table 46. Rest of World Based Manufacturers Thermal Monocular Production Market

Share (2021-2026)

Table 47. World Thermal Monocular Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Thermal Monocular Production by Type (2021-2026) & (K Units)

Table 49. World Thermal Monocular Production by Type (2027-2032) & (K Units)

Table 50. World Thermal Monocular Production Value by Type (2021-2026) & (USD Million)

Table 51. World Thermal Monocular Production Value by Type (2027-2032) & (USD Million)

Table 52. World Thermal Monocular Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Thermal Monocular Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Thermal Monocular Production Value by Functional Integration, (USD Million), 2021 & 2025 & 2032

Table 55. World Thermal Monocular Production by Functional Integration (2021-2026) & (K Units)

Table 56. World Thermal Monocular Production by Functional Integration (2027-2032) & (K Units)

Table 57. World Thermal Monocular Production Value by Functional Integration (2021-2026) & (USD Million)

Table 58. World Thermal Monocular Production Value by Functional Integration (2027-2032) & (USD Million)

Table 59. World Thermal Monocular Average Price by Functional Integration (2021-2026) & (US\$/Unit)

Table 60. World Thermal Monocular Average Price by Functional Integration (2027-2032) & (US\$/Unit)

Table 61. World Thermal Monocular Production Value by Resolution, (USD Million), 2021 & 2025 & 2032

Table 62. World Thermal Monocular Production by Resolution (2021-2026) & (K Units)

Table 63. World Thermal Monocular Production by Resolution (2027-2032) & (K Units)

Table 64. World Thermal Monocular Production Value by Resolution (2021-2026) & (USD Million)

Table 65. World Thermal Monocular Production Value by Resolution (2027-2032) & (USD Million)

Table 66. World Thermal Monocular Average Price by Resolution (2021-2026) & (US\$/Unit)

Table 67. World Thermal Monocular Average Price by Resolution (2027-2032) & (US\$/Unit)

Table 68. World Thermal Monocular Production Value by Application, (USD Million), 2021 & 2025 & 2032

- Table 69. World Thermal Monocular Production by Application (2021-2026) & (K Units)
- Table 70. World Thermal Monocular Production by Application (2027-2032) & (K Units)
- Table 71. World Thermal Monocular Production Value by Application (2021-2026) & (USD Million)
- Table 72. World Thermal Monocular Production Value by Application (2027-2032) & (USD Million)
- Table 73. World Thermal Monocular Average Price by Application (2021-2026) & (US\$/Unit)
- Table 74. World Thermal Monocular Average Price by Application (2027-2032) & (US\$/Unit)
- Table 75. AGM Global Vision Basic Information, Manufacturing Base and Competitors
- Table 76. AGM Global Vision Major Business
- Table 77. AGM Global Vision Thermal Monocular Product and Services
- Table 78. AGM Global Vision Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 79. AGM Global Vision Recent Developments/Updates
- Table 80. AGM Global Vision Competitive Strengths & Weaknesses
- Table 81. Pulsar Basic Information, Manufacturing Base and Competitors
- Table 82. Pulsar Major Business
- Table 83. Pulsar Thermal Monocular Product and Services
- Table 84. Pulsar Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. Pulsar Recent Developments/Updates
- Table 86. Pulsar Competitive Strengths & Weaknesses
- Table 87. Hikmicro Basic Information, Manufacturing Base and Competitors
- Table 88. Hikmicro Major Business
- Table 89. Hikmicro Thermal Monocular Product and Services
- Table 90. Hikmicro Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Hikmicro Recent Developments/Updates
- Table 92. Hikmicro Competitive Strengths & Weaknesses
- Table 93. FLIR Basic Information, Manufacturing Base and Competitors
- Table 94. FLIR Major Business
- Table 95. FLIR Thermal Monocular Product and Services
- Table 96. FLIR Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. FLIR Recent Developments/Updates
- Table 98. FLIR Competitive Strengths & Weaknesses

- Table 99. Bushnell Basic Information, Manufacturing Base and Competitors
- Table 100. Bushnell Major Business
- Table 101. Bushnell Thermal Monocular Product and Services
- Table 102. Bushnell Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Bushnell Recent Developments/Updates
- Table 104. Bushnell Competitive Strengths & Weaknesses
- Table 105. Burris Optics Basic Information, Manufacturing Base and Competitors
- Table 106. Burris Optics Major Business
- Table 107. Burris Optics Thermal Monocular Product and Services
- Table 108. Burris Optics Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Burris Optics Recent Developments/Updates
- Table 110. Burris Optics Competitive Strengths & Weaknesses
- Table 111. ATN Corp Basic Information, Manufacturing Base and Competitors
- Table 112. ATN Corp Major Business
- Table 113. ATN Corp Thermal Monocular Product and Services
- Table 114. ATN Corp Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. ATN Corp Recent Developments/Updates
- Table 116. ATN Corp Competitive Strengths & Weaknesses
- Table 117. ThermTec Basic Information, Manufacturing Base and Competitors
- Table 118. ThermTec Major Business
- Table 119. ThermTec Thermal Monocular Product and Services
- Table 120. ThermTec Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. ThermTec Recent Developments/Updates
- Table 122. ThermTec Competitive Strengths & Weaknesses
- Table 123. Bering Optics Basic Information, Manufacturing Base and Competitors
- Table 124. Bering Optics Major Business
- Table 125. Bering Optics Thermal Monocular Product and Services
- Table 126. Bering Optics Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Bering Optics Recent Developments/Updates
- Table 128. Bering Optics Competitive Strengths & Weaknesses
- Table 129. Leupold Basic Information, Manufacturing Base and Competitors
- Table 130. Leupold Major Business
- Table 131. Leupold Thermal Monocular Product and Services
- Table 132. Leupold Thermal Monocular Production (K Units), Price (US\$/Unit),

Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Leupold Recent Developments/Updates

Table 134. Leupold Competitive Strengths & Weaknesses

Table 135. Sector Optics Basic Information, Manufacturing Base and Competitors

Table 136. Sector Optics Major Business

Table 137. Sector Optics Thermal Monocular Product and Services

Table 138. Sector Optics Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Sector Optics Recent Developments/Updates

Table 140. Sector Optics Competitive Strengths & Weaknesses

Table 141. Zeiss Basic Information, Manufacturing Base and Competitors

Table 142. Zeiss Major Business

Table 143. Zeiss Thermal Monocular Product and Services

Table 144. Zeiss Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Zeiss Recent Developments/Updates

Table 146. Zeiss Competitive Strengths & Weaknesses

Table 147. Trijicon Basic Information, Manufacturing Base and Competitors

Table 148. Trijicon Major Business

Table 149. Trijicon Thermal Monocular Product and Services

Table 150. Trijicon Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Trijicon Recent Developments/Updates

Table 152. Trijicon Competitive Strengths & Weaknesses

Table 153. L3Harris Basic Information, Manufacturing Base and Competitors

Table 154. L3Harris Major Business

Table 155. L3Harris Thermal Monocular Product and Services

Table 156. L3Harris Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. L3Harris Recent Developments/Updates

Table 158. L3Harris Competitive Strengths & Weaknesses

Table 159. Guide Sensmart Basic Information, Manufacturing Base and Competitors

Table 160. Guide Sensmart Major Business

Table 161. Guide Sensmart Thermal Monocular Product and Services

Table 162. Guide Sensmart Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Guide Sensmart Recent Developments/Updates

Table 164. Guide Sensmart Competitive Strengths & Weaknesses

Table 165. Night Tech Basic Information, Manufacturing Base and Competitors

- Table 166. Night Tech Major Business
- Table 167. Night Tech Thermal Monocular Product and Services
- Table 168. Night Tech Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 169. Night Tech Recent Developments/Updates
- Table 170. Night Tech Competitive Strengths & Weaknesses
- Table 171. iRayUSA Basic Information, Manufacturing Base and Competitors
- Table 172. iRayUSA Major Business
- Table 173. iRayUSA Thermal Monocular Product and Services
- Table 174. iRayUSA Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 175. iRayUSA Recent Developments/Updates
- Table 176. iRayUSA Competitive Strengths & Weaknesses
- Table 177. Hikmicro Basic Information, Manufacturing Base and Competitors
- Table 178. Hikmicro Major Business
- Table 179. Hikmicro Thermal Monocular Product and Services
- Table 180. Hikmicro Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 181. Hikmicro Recent Developments/Updates
- Table 182. Hikmicro Competitive Strengths & Weaknesses
- Table 183. N-Vision Optics Basic Information, Manufacturing Base and Competitors
- Table 184. N-Vision Optics Major Business
- Table 185. N-Vision Optics Thermal Monocular Product and Services
- Table 186. N-Vision Optics Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 187. N-Vision Optics Recent Developments/Updates
- Table 188. N-Vision Optics Competitive Strengths & Weaknesses
- Table 189. Pard Basic Information, Manufacturing Base and Competitors
- Table 190. Pard Major Business
- Table 191. Pard Thermal Monocular Product and Services
- Table 192. Pard Thermal Monocular Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 193. Pard Recent Developments/Updates
- Table 194. Pard Competitive Strengths & Weaknesses
- Table 195. Global Key Players of Thermal Monocular Upstream (Raw Materials)
- Table 196. Global Thermal Monocular Typical Customers
- Table 197. Thermal Monocular Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Thermal Monocular Picture

Figure 2. World Thermal Monocular Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Thermal Monocular Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Thermal Monocular Production (2021-2032) & (K Units)

Figure 5. World Thermal Monocular Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Thermal Monocular Production Value Market Share by Region (2021-2032)

Figure 7. World Thermal Monocular Production Market Share by Region (2021-2032)

Figure 8. North America Thermal Monocular Production (2021-2032) & (K Units)

Figure 9. Europe Thermal Monocular Production (2021-2032) & (K Units)

Figure 10. China Thermal Monocular Production (2021-2032) & (K Units)

Figure 11. Japan Thermal Monocular Production (2021-2032) & (K Units)

Figure 12. Thermal Monocular Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Thermal Monocular Consumption (2021-2032) & (K Units)

Figure 15. World Thermal Monocular Consumption Market Share by Region (2021-2032)

Figure 16. United States Thermal Monocular Consumption (2021-2032) & (K Units)

Figure 17. China Thermal Monocular Consumption (2021-2032) & (K Units)

Figure 18. Europe Thermal Monocular Consumption (2021-2032) & (K Units)

Figure 19. Japan Thermal Monocular Consumption (2021-2032) & (K Units)

Figure 20. South Korea Thermal Monocular Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Thermal Monocular Consumption (2021-2032) & (K Units)

Figure 22. India Thermal Monocular Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Thermal Monocular by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Thermal Monocular Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Thermal Monocular Markets in 2025

Figure 26. United States VS China: Thermal Monocular Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Thermal Monocular Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Thermal Monocular Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Thermal Monocular Production Market Share 2025

Figure 30. China Based Manufacturers Thermal Monocular Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Thermal Monocular Production Market Share 2025

Figure 32. World Thermal Monocular Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Thermal Monocular Production Value Market Share by Type in 2025

Figure 34. Handheld Thermal Monocular

Figure 35. Helmet-mounted Thermal Monocular

Figure 36. Clip-on Thermal Monocular

Figure 37. World Thermal Monocular Production Market Share by Type (2021-2032)

Figure 38. World Thermal Monocular Production Value Market Share by Type (2021-2032)

Figure 39. World Thermal Monocular Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. World Thermal Monocular Production Value by Functional Integration, (USD Million), 2021 & 2025 & 2032

Figure 41. World Thermal Monocular Production Value Market Share by Functional Integration in 2025

Figure 42. Basic Viewing

Figure 43. Rangefinder-Integrated

Figure 44. Others

Figure 45. World Thermal Monocular Production Market Share by Functional Integration (2021-2032)

Figure 46. World Thermal Monocular Production Value Market Share by Functional Integration (2021-2032)

Figure 47. World Thermal Monocular Average Price by Functional Integration (2021-2032) & (US\$/Unit)

Figure 48. World Thermal Monocular Production Value by Resolution, (USD Million), 2021 & 2025 & 2032

Figure 49. World Thermal Monocular Production Value Market Share by Resolution in 2025

Figure 50. Entry-Level Resolution

Figure 51. Mid-Range Resolution

Figure 52. High Resolution

Figure 53. Ultra-High Resolution

Figure 54. World Thermal Monocular Production Market Share by Resolution  
(2021-2032)

Figure 55. World Thermal Monocular Production Value Market Share by Resolution  
(2021-2032)

Figure 56. World Thermal Monocular Average Price by Resolution (2021-2032) &  
(US\$/Unit)

Figure 57. World Thermal Monocular Production Value by Application, (USD Million),  
2021 & 2025 & 2032

Figure 58. World Thermal Monocular Production Value Market Share by Application in  
2025

Figure 59. Military

Figure 60. Hunting

Figure 61. Rescue

Figure 62. Others

Figure 63. World Thermal Monocular Production Market Share by Application  
(2021-2032)

Figure 64. World Thermal Monocular Production Value Market Share by Application  
(2021-2032)

Figure 65. World Thermal Monocular Average Price by Application (2021-2032) &  
(US\$/Unit)

Figure 66. Thermal Monocular Industry Chain

Figure 67. Thermal Monocular Procurement Model

Figure 68. Thermal Monocular Sales Model

Figure 69. Thermal Monocular Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

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