

# Global Astrophotography Controller Market Growth 2025-2031

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## Abstracts

The global Astrophotography Controller market size is predicted to grow from US\$ 38.2 million in 2025 to US\$ 63.7 million in 2031; it is expected to grow at a CAGR of 8.9% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Astrophotography controller is a comprehensive control device designed for deep-sky photography and astronomical observation. It usually integrates functions such as camera control, equatorial guide, electric focus, filter wheel switching, power management and remote networking. It coordinates the operation of astronomical cameras, guide mirrors, equatorial mounts and various auxiliary equipment through a unified software interface (such as ASCOM, INDI or a dedicated system), and realizes precise operations such as automated shooting plans, tracking compensation, temperature control noise reduction and exposure control, which greatly improves the imaging efficiency and success rate of deep-sky photography. The controller usually has WiFi or Ethernet remote connection capabilities and supports linkage with astronomical software (such as NINA, Ekos, Sequence Generator Pro). It is particularly critical in remote-controlled observatories or portable stargazing systems, and is widely used in night sky observations and image acquisition by astronomy enthusiasts, astrophotographers and scientific research institutions.

United States market for Astrophotography Controller is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Astrophotography Controller is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Astrophotography Controller is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Astrophotography Controller players cover ZWO, iOptron, StellarMate, PrimaLuceLab, Camfi, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Astrophotography Controller Industry Forecast" looks at past sales and reviews total world Astrophotography Controller sales in 2024, providing a comprehensive analysis by region and market sector of projected Astrophotography Controller sales for 2025 through 2031. With Astrophotography Controller sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Astrophotography Controller industry.

This Insight Report provides a comprehensive analysis of the global Astrophotography Controller landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Astrophotography Controller portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Astrophotography Controller market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Astrophotography Controller and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Astrophotography Controller.

This report presents a comprehensive overview, market shares, and growth opportunities of Astrophotography Controller market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

4GB

8GB

Segmentation by Application:

Deep-Sky Astrophotography

Observatory Observation

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

ZWO

iOptron

StellarMate

PrimaLuceLab

Camfi

Vello

CamRanger

Wanderer Astro

QHYCCD

Teradek

Starlight Xpress

Pegasus Astro

Planewave

ToupTek

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Astrophotography Controller market?

What factors are driving Astrophotography Controller market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Astrophotography Controller market opportunities vary by end market size?

How does Astrophotography Controller break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Astrophotography Controller Annual Sales 2020-2031

- 2.1.2 World Current & Future Analysis for Astrophotography Controller by Geographic Region, 2020, 2024 & 2031

- 2.1.3 World Current & Future Analysis for Astrophotography Controller by Country/Region, 2020, 2024 & 2031

#### 2.2 Astrophotography Controller Segment by Type

- 2.2.1 4GB

- 2.2.2 8GB

#### 2.3 Astrophotography Controller Sales by Type

- 2.3.1 Global Astrophotography Controller Sales Market Share by Type (2020-2025)

- 2.3.2 Global Astrophotography Controller Revenue and Market Share by Type (2020-2025)

- 2.3.3 Global Astrophotography Controller Sale Price by Type (2020-2025)

#### 2.4 Astrophotography Controller Segment by Application

- 2.4.1 Deep-Sky Astrophotography

- 2.4.2 Observatory Observation

- 2.4.3 Others

#### 2.5 Astrophotography Controller Sales by Application

- 2.5.1 Global Astrophotography Controller Sale Market Share by Application (2020-2025)

- 2.5.2 Global Astrophotography Controller Revenue and Market Share by Application (2020-2025)

- 2.5.3 Global Astrophotography Controller Sale Price by Application (2020-2025)

### **3 GLOBAL BY COMPANY**

#### 3.1 Global Astrophotography Controller Breakdown Data by Company

3.1.1 Global Astrophotography Controller Annual Sales by Company (2020-2025)

3.1.2 Global Astrophotography Controller Sales Market Share by Company (2020-2025)

#### 3.2 Global Astrophotography Controller Annual Revenue by Company (2020-2025)

3.2.1 Global Astrophotography Controller Revenue by Company (2020-2025)

3.2.2 Global Astrophotography Controller Revenue Market Share by Company (2020-2025)

#### 3.3 Global Astrophotography Controller Sale Price by Company

#### 3.4 Key Manufacturers Astrophotography Controller Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Astrophotography Controller Product Location Distribution

3.4.2 Players Astrophotography Controller Products Offered

#### 3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

#### 3.6 New Products and Potential Entrants

#### 3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR ASTROPHOTOGRAPHY CONTROLLER BY GEOGRAPHIC REGION**

#### 4.1 World Historic Astrophotography Controller Market Size by Geographic Region (2020-2025)

4.1.1 Global Astrophotography Controller Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Astrophotography Controller Annual Revenue by Geographic Region (2020-2025)

#### 4.2 World Historic Astrophotography Controller Market Size by Country/Region (2020-2025)

4.2.1 Global Astrophotography Controller Annual Sales by Country/Region (2020-2025)

4.2.2 Global Astrophotography Controller Annual Revenue by Country/Region (2020-2025)

#### 4.3 Americas Astrophotography Controller Sales Growth

#### 4.4 APAC Astrophotography Controller Sales Growth

4.5 Europe Astrophotography Controller Sales Growth

4.6 Middle East & Africa Astrophotography Controller Sales Growth

## **5 AMERICAS**

5.1 Americas Astrophotography Controller Sales by Country

5.1.1 Americas Astrophotography Controller Sales by Country (2020-2025)

5.1.2 Americas Astrophotography Controller Revenue by Country (2020-2025)

5.2 Americas Astrophotography Controller Sales by Type (2020-2025)

5.3 Americas Astrophotography Controller Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Astrophotography Controller Sales by Region

6.1.1 APAC Astrophotography Controller Sales by Region (2020-2025)

6.1.2 APAC Astrophotography Controller Revenue by Region (2020-2025)

6.2 APAC Astrophotography Controller Sales by Type (2020-2025)

6.3 APAC Astrophotography Controller Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

7.1 Europe Astrophotography Controller by Country

7.1.1 Europe Astrophotography Controller Sales by Country (2020-2025)

7.1.2 Europe Astrophotography Controller Revenue by Country (2020-2025)

7.2 Europe Astrophotography Controller Sales by Type (2020-2025)

7.3 Europe Astrophotography Controller Sales by Application (2020-2025)

7.4 Germany

7.5 France

- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Astrophotography Controller by Country
  - 8.1.1 Middle East & Africa Astrophotography Controller Sales by Country (2020-2025)
  - 8.1.2 Middle East & Africa Astrophotography Controller Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Astrophotography Controller Sales by Type (2020-2025)
- 8.3 Middle East & Africa Astrophotography Controller Sales by Application (2020-2025)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Astrophotography Controller
- 10.3 Manufacturing Process Analysis of Astrophotography Controller
- 10.4 Industry Chain Structure of Astrophotography Controller

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Astrophotography Controller Distributors
- 11.3 Astrophotography Controller Customer

## **12 WORLD FORECAST REVIEW FOR ASTROPHOTOGRAPHY CONTROLLER BY GEOGRAPHIC REGION**

- 12.1 Global Astrophotography Controller Market Size Forecast by Region
  - 12.1.1 Global Astrophotography Controller Forecast by Region (2026-2031)
  - 12.1.2 Global Astrophotography Controller Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Astrophotography Controller Forecast by Type (2026-2031)
- 12.7 Global Astrophotography Controller Forecast by Application (2026-2031)

## **13 KEY PLAYERS ANALYSIS**

- 13.1 ZWO
  - 13.1.1 ZWO Company Information
  - 13.1.2 ZWO Astrophotography Controller Product Portfolios and Specifications
  - 13.1.3 ZWO Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.1.4 ZWO Main Business Overview
  - 13.1.5 ZWO Latest Developments
- 13.2 iOptron
  - 13.2.1 iOptron Company Information
  - 13.2.2 iOptron Astrophotography Controller Product Portfolios and Specifications
  - 13.2.3 iOptron Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.2.4 iOptron Main Business Overview
  - 13.2.5 iOptron Latest Developments
- 13.3 StellarMate
  - 13.3.1 StellarMate Company Information
  - 13.3.2 StellarMate Astrophotography Controller Product Portfolios and Specifications
  - 13.3.3 StellarMate Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.3.4 StellarMate Main Business Overview
  - 13.3.5 StellarMate Latest Developments
- 13.4 PrimaLuceLab
  - 13.4.1 PrimaLuceLab Company Information

13.4.2 PrimaLuceLab Astrophotography Controller Product Portfolios and Specifications

13.4.3 PrimaLuceLab Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 PrimaLuceLab Main Business Overview

13.4.5 PrimaLuceLab Latest Developments

13.5 Camfi

13.5.1 Camfi Company Information

13.5.2 Camfi Astrophotography Controller Product Portfolios and Specifications

13.5.3 Camfi Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Camfi Main Business Overview

13.5.5 Camfi Latest Developments

13.6 Vello

13.6.1 Vello Company Information

13.6.2 Vello Astrophotography Controller Product Portfolios and Specifications

13.6.3 Vello Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Vello Main Business Overview

13.6.5 Vello Latest Developments

13.7 CamRanger

13.7.1 CamRanger Company Information

13.7.2 CamRanger Astrophotography Controller Product Portfolios and Specifications

13.7.3 CamRanger Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 CamRanger Main Business Overview

13.7.5 CamRanger Latest Developments

13.8 Wanderer Astro

13.8.1 Wanderer Astro Company Information

13.8.2 Wanderer Astro Astrophotography Controller Product Portfolios and Specifications

13.8.3 Wanderer Astro Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 Wanderer Astro Main Business Overview

13.8.5 Wanderer Astro Latest Developments

13.9 QHYCCD

13.9.1 QHYCCD Company Information

13.9.2 QHYCCD Astrophotography Controller Product Portfolios and Specifications

13.9.3 QHYCCD Astrophotography Controller Sales, Revenue, Price and Gross

Margin (2020-2025)

13.9.4 QHYCCD Main Business Overview

13.9.5 QHYCCD Latest Developments

13.10 Teradek

13.10.1 Teradek Company Information

13.10.2 Teradek Astrophotography Controller Product Portfolios and Specifications

13.10.3 Teradek Astrophotography Controller Sales, Revenue, Price and Gross

Margin (2020-2025)

13.10.4 Teradek Main Business Overview

13.10.5 Teradek Latest Developments

13.11 Starlight Xpress

13.11.1 Starlight Xpress Company Information

13.11.2 Starlight Xpress Astrophotography Controller Product Portfolios and Specifications

13.11.3 Starlight Xpress Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Starlight Xpress Main Business Overview

13.11.5 Starlight Xpress Latest Developments

13.12 Pegasus Astro

13.12.1 Pegasus Astro Company Information

13.12.2 Pegasus Astro Astrophotography Controller Product Portfolios and Specifications

13.12.3 Pegasus Astro Astrophotography Controller Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 Pegasus Astro Main Business Overview

13.12.5 Pegasus Astro Latest Developments

13.13 Planewave

13.13.1 Planewave Company Information

13.13.2 Planewave Astrophotography Controller Product Portfolios and Specifications

13.13.3 Planewave Astrophotography Controller Sales, Revenue, Price and Gross

Margin (2020-2025)

13.13.4 Planewave Main Business Overview

13.13.5 Planewave Latest Developments

13.14 ToupTek

13.14.1 ToupTek Company Information

13.14.2 ToupTek Astrophotography Controller Product Portfolios and Specifications

13.14.3 ToupTek Astrophotography Controller Sales, Revenue, Price and Gross

Margin (2020-2025)

13.14.4 ToupTek Main Business Overview

13.14.5 ToupTek Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Astrophotography Controller Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Astrophotography Controller Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of 4GB

Table 4. Major Players of 8GB

Table 5. Global Astrophotography Controller Sales by Type (2020-2025) & (K Units)

Table 6. Global Astrophotography Controller Sales Market Share by Type (2020-2025)

Table 7. Global Astrophotography Controller Revenue by Type (2020-2025) & (\$ million)

Table 8. Global Astrophotography Controller Revenue Market Share by Type (2020-2025)

Table 9. Global Astrophotography Controller Sale Price by Type (2020-2025) & (US\$/Unit)

Table 10. Global Astrophotography Controller Sale by Application (2020-2025) & (K Units)

Table 11. Global Astrophotography Controller Sale Market Share by Application (2020-2025)

Table 12. Global Astrophotography Controller Revenue by Application (2020-2025) & (\$ million)

Table 13. Global Astrophotography Controller Revenue Market Share by Application (2020-2025)

Table 14. Global Astrophotography Controller Sale Price by Application (2020-2025) & (US\$/Unit)

Table 15. Global Astrophotography Controller Sales by Company (2020-2025) & (K Units)

Table 16. Global Astrophotography Controller Sales Market Share by Company (2020-2025)

Table 17. Global Astrophotography Controller Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global Astrophotography Controller Revenue Market Share by Company (2020-2025)

Table 19. Global Astrophotography Controller Sale Price by Company (2020-2025) & (US\$/Unit)

Table 20. Key Manufacturers Astrophotography Controller Producing Area Distribution and Sales Area

- Table 21. Players Astrophotography Controller Products Offered
- Table 22. Astrophotography Controller Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
- Table 23. New Products and Potential Entrants
- Table 24. Market M&A Activity & Strategy
- Table 25. Global Astrophotography Controller Sales by Geographic Region (2020-2025) & (K Units)
- Table 26. Global Astrophotography Controller Sales Market Share Geographic Region (2020-2025)
- Table 27. Global Astrophotography Controller Revenue by Geographic Region (2020-2025) & (\$ millions)
- Table 28. Global Astrophotography Controller Revenue Market Share by Geographic Region (2020-2025)
- Table 29. Global Astrophotography Controller Sales by Country/Region (2020-2025) & (K Units)
- Table 30. Global Astrophotography Controller Sales Market Share by Country/Region (2020-2025)
- Table 31. Global Astrophotography Controller Revenue by Country/Region (2020-2025) & (\$ millions)
- Table 32. Global Astrophotography Controller Revenue Market Share by Country/Region (2020-2025)
- Table 33. Americas Astrophotography Controller Sales by Country (2020-2025) & (K Units)
- Table 34. Americas Astrophotography Controller Sales Market Share by Country (2020-2025)
- Table 35. Americas Astrophotography Controller Revenue by Country (2020-2025) & (\$ millions)
- Table 36. Americas Astrophotography Controller Sales by Type (2020-2025) & (K Units)
- Table 37. Americas Astrophotography Controller Sales by Application (2020-2025) & (K Units)
- Table 38. APAC Astrophotography Controller Sales by Region (2020-2025) & (K Units)
- Table 39. APAC Astrophotography Controller Sales Market Share by Region (2020-2025)
- Table 40. APAC Astrophotography Controller Revenue by Region (2020-2025) & (\$ millions)
- Table 41. APAC Astrophotography Controller Sales by Type (2020-2025) & (K Units)
- Table 42. APAC Astrophotography Controller Sales by Application (2020-2025) & (K Units)
- Table 43. Europe Astrophotography Controller Sales by Country (2020-2025) & (K

Units)

Table 44. Europe Astrophotography Controller Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Astrophotography Controller Sales by Type (2020-2025) & (K Units)

Table 46. Europe Astrophotography Controller Sales by Application (2020-2025) & (K Units)

Table 47. Middle East & Africa Astrophotography Controller Sales by Country (2020-2025) & (K Units)

Table 48. Middle East & Africa Astrophotography Controller Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Astrophotography Controller Sales by Type (2020-2025) & (K Units)

Table 50. Middle East & Africa Astrophotography Controller Sales by Application (2020-2025) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of Astrophotography Controller

Table 52. Key Market Challenges & Risks of Astrophotography Controller

Table 53. Key Industry Trends of Astrophotography Controller

Table 54. Astrophotography Controller Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Astrophotography Controller Distributors List

Table 57. Astrophotography Controller Customer List

Table 58. Global Astrophotography Controller Sales Forecast by Region (2026-2031) & (K Units)

Table 59. Global Astrophotography Controller Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas Astrophotography Controller Sales Forecast by Country (2026-2031) & (K Units)

Table 61. Americas Astrophotography Controller Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC Astrophotography Controller Sales Forecast by Region (2026-2031) & (K Units)

Table 63. APAC Astrophotography Controller Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 64. Europe Astrophotography Controller Sales Forecast by Country (2026-2031) & (K Units)

Table 65. Europe Astrophotography Controller Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa Astrophotography Controller Sales Forecast by Country (2026-2031) & (K Units)

Table 67. Middle East & Africa Astrophotography Controller Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Global Astrophotography Controller Sales Forecast by Type (2026-2031) & (K Units)

Table 69. Global Astrophotography Controller Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 70. Global Astrophotography Controller Sales Forecast by Application (2026-2031) & (K Units)

Table 71. Global Astrophotography Controller Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 72. ZWO Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 73. ZWO Astrophotography Controller Product Portfolios and Specifications

Table 74. ZWO Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 75. ZWO Main Business

Table 76. ZWO Latest Developments

Table 77. iOptron Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 78. iOptron Astrophotography Controller Product Portfolios and Specifications

Table 79. iOptron Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 80. iOptron Main Business

Table 81. iOptron Latest Developments

Table 82. StellarMate Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 83. StellarMate Astrophotography Controller Product Portfolios and Specifications

Table 84. StellarMate Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 85. StellarMate Main Business

Table 86. StellarMate Latest Developments

Table 87. PrimaLuceLab Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 88. PrimaLuceLab Astrophotography Controller Product Portfolios and Specifications

Table 89. PrimaLuceLab Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 90. PrimaLuceLab Main Business

Table 91. PrimaLuceLab Latest Developments

Table 92. Camfi Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 93. Camfi Astrophotography Controller Product Portfolios and Specifications

Table 94. Camfi Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 95. Camfi Main Business

Table 96. Camfi Latest Developments

Table 97. Vello Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 98. Vello Astrophotography Controller Product Portfolios and Specifications

Table 99. Vello Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 100. Vello Main Business

Table 101. Vello Latest Developments

Table 102. CamRanger Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 103. CamRanger Astrophotography Controller Product Portfolios and Specifications

Table 104. CamRanger Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 105. CamRanger Main Business

Table 106. CamRanger Latest Developments

Table 107. Wanderer Astro Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 108. Wanderer Astro Astrophotography Controller Product Portfolios and Specifications

Table 109. Wanderer Astro Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 110. Wanderer Astro Main Business

Table 111. Wanderer Astro Latest Developments

Table 112. QHYCCD Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 113. QHYCCD Astrophotography Controller Product Portfolios and Specifications

Table 114. QHYCCD Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 115. QHYCCD Main Business

Table 116. QHYCCD Latest Developments

Table 117. Teradek Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 118. Teradek Astrophotography Controller Product Portfolios and Specifications

Table 119. Teradek Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 120. Teradek Main Business

Table 121. Teradek Latest Developments

Table 122. Starlight Xpress Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 123. Starlight Xpress Astrophotography Controller Product Portfolios and Specifications

Table 124. Starlight Xpress Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 125. Starlight Xpress Main Business

Table 126. Starlight Xpress Latest Developments

Table 127. Pegasus Astro Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 128. Pegasus Astro Astrophotography Controller Product Portfolios and Specifications

Table 129. Pegasus Astro Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 130. Pegasus Astro Main Business

Table 131. Pegasus Astro Latest Developments

Table 132. Planewave Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 133. Planewave Astrophotography Controller Product Portfolios and Specifications

Table 134. Planewave Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 135. Planewave Main Business

Table 136. Planewave Latest Developments

Table 137. ToupTek Basic Information, Astrophotography Controller Manufacturing Base, Sales Area and Its Competitors

Table 138. ToupTek Astrophotography Controller Product Portfolios and Specifications

Table 139. ToupTek Astrophotography Controller Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 140. ToupTek Main Business

Table 141. ToupTek Latest Developments

## List Of Figures

### LIST OF FIGURES

Figure 1. Picture of Astrophotography Controller

Figure 2. Astrophotography Controller Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Astrophotography Controller Sales Growth Rate 2020-2031 (K Units)

Figure 7. Global Astrophotography Controller Revenue Growth Rate 2020-2031 (\$ millions)

Figure 8. Astrophotography Controller Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Figure 9. Astrophotography Controller Sales Market Share by Country/Region (2024)

Figure 10. Astrophotography Controller Sales Market Share by Country/Region (2020, 2024 & 2031)

Figure 11. Product Picture of 4GB

Figure 12. Product Picture of 8GB

Figure 13. Global Astrophotography Controller Sales Market Share by Type in 2025

Figure 14. Global Astrophotography Controller Revenue Market Share by Type (2020-2025)

Figure 15. Astrophotography Controller Consumed in Deep-Sky Astrophotography

Figure 16. Global Astrophotography Controller Market: Deep-Sky Astrophotography (2020-2025) & (K Units)

Figure 17. Astrophotography Controller Consumed in Observatory Observation

Figure 18. Global Astrophotography Controller Market: Observatory Observation (2020-2025) & (K Units)

Figure 19. Astrophotography Controller Consumed in Others

Figure 20. Global Astrophotography Controller Market: Others (2020-2025) & (K Units)

Figure 21. Global Astrophotography Controller Sale Market Share by Application (2024)

Figure 22. Global Astrophotography Controller Revenue Market Share by Application in 2025

Figure 23. Astrophotography Controller Sales by Company in 2025 (K Units)

Figure 24. Global Astrophotography Controller Sales Market Share by Company in 2025

Figure 25. Astrophotography Controller Revenue by Company in 2025 (\$ millions)

Figure 26. Global Astrophotography Controller Revenue Market Share by Company in 2025

Figure 27. Global Astrophotography Controller Sales Market Share by Geographic

Region (2020-2025)

Figure 28. Global Astrophotography Controller Revenue Market Share by Geographic Region in 2025

Figure 29. Americas Astrophotography Controller Sales 2020-2025 (K Units)

Figure 30. Americas Astrophotography Controller Revenue 2020-2025 (\$ millions)

Figure 31. APAC Astrophotography Controller Sales 2020-2025 (K Units)

Figure 32. APAC Astrophotography Controller Revenue 2020-2025 (\$ millions)

Figure 33. Europe Astrophotography Controller Sales 2020-2025 (K Units)

Figure 34. Europe Astrophotography Controller Revenue 2020-2025 (\$ millions)

Figure 35. Middle East & Africa Astrophotography Controller Sales 2020-2025 (K Units)

Figure 36. Middle East & Africa Astrophotography Controller Revenue 2020-2025 (\$ millions)

Figure 37. Americas Astrophotography Controller Sales Market Share by Country in 2025

Figure 38. Americas Astrophotography Controller Revenue Market Share by Country (2020-2025)

Figure 39. Americas Astrophotography Controller Sales Market Share by Type (2020-2025)

Figure 40. Americas Astrophotography Controller Sales Market Share by Application (2020-2025)

Figure 41. United States Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 42. Canada Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 43. Mexico Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 44. Brazil Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 45. APAC Astrophotography Controller Sales Market Share by Region in 2025

Figure 46. APAC Astrophotography Controller Revenue Market Share by Region (2020-2025)

Figure 47. APAC Astrophotography Controller Sales Market Share by Type (2020-2025)

Figure 48. APAC Astrophotography Controller Sales Market Share by Application (2020-2025)

Figure 49. China Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 50. Japan Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 51. South Korea Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 52. Southeast Asia Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 53. India Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 54. Australia Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 55. China Taiwan Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 56. Europe Astrophotography Controller Sales Market Share by Country in 2025

Figure 57. Europe Astrophotography Controller Revenue Market Share by Country (2020-2025)

Figure 58. Europe Astrophotography Controller Sales Market Share by Type (2020-2025)

Figure 59. Europe Astrophotography Controller Sales Market Share by Application (2020-2025)

Figure 60. Germany Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 61. France Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 62. UK Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 63. Italy Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 64. Russia Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 65. Middle East & Africa Astrophotography Controller Sales Market Share by Country (2020-2025)

Figure 66. Middle East & Africa Astrophotography Controller Sales Market Share by Type (2020-2025)

Figure 67. Middle East & Africa Astrophotography Controller Sales Market Share by Application (2020-2025)

Figure 68. Egypt Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 69. South Africa Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 70. Israel Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 71. Turkey Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 72. GCC Countries Astrophotography Controller Revenue Growth 2020-2025 (\$ millions)

Figure 73. Manufacturing Cost Structure Analysis of Astrophotography Controller in 2025

Figure 74. Manufacturing Process Analysis of Astrophotography Controller

Figure 75. Industry Chain Structure of Astrophotography Controller

Figure 76. Channels of Distribution

Figure 77. Global Astrophotography Controller Sales Market Forecast by Region (2026-2031)

Figure 78. Global Astrophotography Controller Revenue Market Share Forecast by Region (2026-2031)

Figure 79. Global Astrophotography Controller Sales Market Share Forecast by Type (2026-2031)

Figure 80. Global Astrophotography Controller Revenue Market Share Forecast by Type (2026-2031)

Figure 81. Global Astrophotography Controller Sales Market Share Forecast by Application (2026-2031)

Figure 82. Global Astrophotography Controller Revenue Market Share Forecast by Application (2026-2031)

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