

Global Astrophotography Control Systems Market Growth 2025-2031

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Abstracts

The global Astrophotography Control Systems market size is predicted to grow from US\$ 37.6 million in 2025 to US\$ 62.7 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 control systems 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 control systems 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 Control Systems 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 Control Systems 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 Control Systems 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 Control Systems 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 Control Systems Industry Forecast” looks at past sales and reviews total world Astrophotography Control Systems sales in 2024, providing a comprehensive analysis by region and market sector of projected Astrophotography Control Systems sales for 2025 through 2031. With Astrophotography Control Systems sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Astrophotography Control Systems industry.

This Insight Report provides a comprehensive analysis of the global Astrophotography Control Systems 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 Control Systems portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Astrophotography Control Systems market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Astrophotography Control Systems 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 Control Systems.

This report presents a comprehensive overview, market shares, and growth opportunities of Astrophotography Control Systems 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 Control Systems market?

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

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

How do Astrophotography Control Systems market opportunities vary by end market size?

How does Astrophotography Control Systems 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 Control Systems Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Astrophotography Control Systems by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Astrophotography Control Systems by Country/Region, 2020, 2024 & 2031
- 2.2 Astrophotography Control Systems Segment by Type
 - 2.2.1 4GB
 - 2.2.2 8GB
- 2.3 Astrophotography Control Systems Sales by Type
 - 2.3.1 Global Astrophotography Control Systems Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Astrophotography Control Systems Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Astrophotography Control Systems Sale Price by Type (2020-2025)
- 2.4 Astrophotography Control Systems Segment by Application
 - 2.4.1 Deep-Sky Astrophotography
 - 2.4.2 Observatory Observation
 - 2.4.3 Others
- 2.5 Astrophotography Control Systems Sales by Application
 - 2.5.1 Global Astrophotography Control Systems Sale Market Share by Application (2020-2025)
 - 2.5.2 Global Astrophotography Control Systems Revenue and Market Share by Application (2020-2025)

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

3 GLOBAL BY COMPANY

3.1 Global Astrophotography Control Systems Breakdown Data by Company

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

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

3.2 Global Astrophotography Control Systems Annual Revenue by Company (2020-2025)

3.2.1 Global Astrophotography Control Systems Revenue by Company (2020-2025)

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

3.3 Global Astrophotography Control Systems Sale Price by Company

3.4 Key Manufacturers Astrophotography Control Systems Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Astrophotography Control Systems Product Location Distribution

3.4.2 Players Astrophotography Control Systems 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 CONTROL SYSTEMS BY GEOGRAPHIC REGION

4.1 World Historic Astrophotography Control Systems Market Size by Geographic Region (2020-2025)

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

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

4.2 World Historic Astrophotography Control Systems Market Size by Country/Region (2020-2025)

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

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

4.3 Americas Astrophotography Control Systems Sales Growth

4.4 APAC Astrophotography Control Systems Sales Growth

4.5 Europe Astrophotography Control Systems Sales Growth

4.6 Middle East & Africa Astrophotography Control Systems Sales Growth

5 AMERICAS

5.1 Americas Astrophotography Control Systems Sales by Country

5.1.1 Americas Astrophotography Control Systems Sales by Country (2020-2025)

5.1.2 Americas Astrophotography Control Systems Revenue by Country (2020-2025)

5.2 Americas Astrophotography Control Systems Sales by Type (2020-2025)

5.3 Americas Astrophotography Control Systems Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Astrophotography Control Systems Sales by Region

6.1.1 APAC Astrophotography Control Systems Sales by Region (2020-2025)

6.1.2 APAC Astrophotography Control Systems Revenue by Region (2020-2025)

6.2 APAC Astrophotography Control Systems Sales by Type (2020-2025)

6.3 APAC Astrophotography Control Systems 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 Control Systems by Country

7.1.1 Europe Astrophotography Control Systems Sales by Country (2020-2025)

7.1.2 Europe Astrophotography Control Systems Revenue by Country (2020-2025)

- 7.2 Europe Astrophotography Control Systems Sales by Type (2020-2025)
- 7.3 Europe Astrophotography Control Systems 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 Control Systems by Country
 - 8.1.1 Middle East & Africa Astrophotography Control Systems Sales by Country (2020-2025)
 - 8.1.2 Middle East & Africa Astrophotography Control Systems Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Astrophotography Control Systems Sales by Type (2020-2025)
- 8.3 Middle East & Africa Astrophotography Control Systems 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 Control Systems
- 10.3 Manufacturing Process Analysis of Astrophotography Control Systems
- 10.4 Industry Chain Structure of Astrophotography Control Systems

11 MARKETING, DISTRIBUTORS AND CUSTOMER

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

12 WORLD FORECAST REVIEW FOR ASTROPHOTOGRAPHY CONTROL SYSTEMS BY GEOGRAPHIC REGION

- 12.1 Global Astrophotography Control Systems Market Size Forecast by Region
 - 12.1.1 Global Astrophotography Control Systems Forecast by Region (2026-2031)
 - 12.1.2 Global Astrophotography Control Systems 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 Control Systems Forecast by Type (2026-2031)
- 12.7 Global Astrophotography Control Systems Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

- 13.1 ZWO
 - 13.1.1 ZWO Company Information
 - 13.1.2 ZWO Astrophotography Control Systems Product Portfolios and Specifications
 - 13.1.3 ZWO Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications
 - 13.2.3 iOptron Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.3.3 StellarMate Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.4.3 PrimaLuceLab Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.5.3 Camfi Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.6.3 Vello Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.7.3 CamRanger Astrophotography Control Systems 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 Control Systems Product Portfolios and

Specifications

13.8.3 Wanderer Astro Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.9.3 QHYCCD Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.10.3 Teradek Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.11.3 Starlight Xpress Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.12.3 Pegasus Astro Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.13.3 Planewave Astrophotography Control Systems 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 Control Systems Product Portfolios and Specifications

13.14.3 ToupTek Astrophotography Control Systems 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 Control Systems Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Astrophotography Control Systems 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 Control Systems Sales by Type (2020-2025) & (K Units)

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

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

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

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

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

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

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

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

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

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

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

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

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

Table 19. Global Astrophotography Control Systems Sale Price by Company

(2020-2025) & (US\$/Unit)

Table 20. Key Manufacturers Astrophotography Control Systems Producing Area Distribution and Sales Area

Table 21. Players Astrophotography Control Systems Products Offered

Table 22. Astrophotography Control Systems 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 Control Systems Sales by Geographic Region (2020-2025) & (K Units)

Table 26. Global Astrophotography Control Systems Sales Market Share Geographic Region (2020-2025)

Table 27. Global Astrophotography Control Systems Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global Astrophotography Control Systems Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global Astrophotography Control Systems Sales by Country/Region (2020-2025) & (K Units)

Table 30. Global Astrophotography Control Systems Sales Market Share by Country/Region (2020-2025)

Table 31. Global Astrophotography Control Systems Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Astrophotography Control Systems Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Astrophotography Control Systems Sales by Country (2020-2025) & (K Units)

Table 34. Americas Astrophotography Control Systems Sales Market Share by Country (2020-2025)

Table 35. Americas Astrophotography Control Systems Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Astrophotography Control Systems Sales by Type (2020-2025) & (K Units)

Table 37. Americas Astrophotography Control Systems Sales by Application (2020-2025) & (K Units)

Table 38. APAC Astrophotography Control Systems Sales by Region (2020-2025) & (K Units)

Table 39. APAC Astrophotography Control Systems Sales Market Share by Region (2020-2025)

Table 40. APAC Astrophotography Control Systems Revenue by Region (2020-2025) &

(\$ millions)

Table 41. APAC Astrophotography Control Systems Sales by Type (2020-2025) & (K Units)

Table 42. APAC Astrophotography Control Systems Sales by Application (2020-2025) & (K Units)

Table 43. Europe Astrophotography Control Systems Sales by Country (2020-2025) & (K Units)

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

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

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

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

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

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

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

Table 51. Key Market Drivers & Growth Opportunities of Astrophotography Control Systems

Table 52. Key Market Challenges & Risks of Astrophotography Control Systems

Table 53. Key Industry Trends of Astrophotography Control Systems

Table 54. Astrophotography Control Systems Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Astrophotography Control Systems Distributors List

Table 57. Astrophotography Control Systems Customer List

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table 73. ZWO Astrophotography Control Systems Product Portfolios and Specifications

Table 74. ZWO Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 78. iOptron Astrophotography Control Systems Product Portfolios and Specifications

Table 79. iOptron Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 83. StellarMate Astrophotography Control Systems Product Portfolios and Specifications

Table 84. StellarMate Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 88. PrimaLuceLab Astrophotography Control Systems Product Portfolios and Specifications

Table 89. PrimaLuceLab Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 93. Camfi Astrophotography Control Systems Product Portfolios and Specifications

Table 94. Camfi Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 98. Vello Astrophotography Control Systems Product Portfolios and Specifications

Table 99. Vello Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 103. CamRanger Astrophotography Control Systems Product Portfolios and Specifications

Table 104. CamRanger Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 108. Wanderer Astro Astrophotography Control Systems Product Portfolios and Specifications

Table 109. Wanderer Astro Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 113. QHYCCD Astrophotography Control Systems Product Portfolios and Specifications

Table 114. QHYCCD Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 118. Teradek Astrophotography Control Systems Product Portfolios and Specifications

Table 119. Teradek Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 123. Starlight Xpress Astrophotography Control Systems Product Portfolios and Specifications

Table 124. Starlight Xpress Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 128. Pegasus Astro Astrophotography Control Systems Product Portfolios and Specifications

Table 129. Pegasus Astro Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 133. Planewave Astrophotography Control Systems Product Portfolios and

Specifications

Table 134. Planewave Astrophotography Control Systems 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 Control Systems Manufacturing Base, Sales Area and Its Competitors

Table 138. ToupTek Astrophotography Control Systems Product Portfolios and Specifications

Table 139. ToupTek Astrophotography Control Systems 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 Control Systems
- Figure 2. Astrophotography Control Systems Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Astrophotography Control Systems Sales Growth Rate 2020-2031 (K Units)
- Figure 7. Global Astrophotography Control Systems Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Astrophotography Control Systems Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Astrophotography Control Systems Sales Market Share by Country/Region (2024)
- Figure 10. Astrophotography Control Systems 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 Control Systems Sales Market Share by Type in 2025
- Figure 14. Global Astrophotography Control Systems Revenue Market Share by Type (2020-2025)
- Figure 15. Astrophotography Control Systems Consumed in Deep-Sky Astrophotography
- Figure 16. Global Astrophotography Control Systems Market: Deep-Sky Astrophotography (2020-2025) & (K Units)
- Figure 17. Astrophotography Control Systems Consumed in Observatory Observation
- Figure 18. Global Astrophotography Control Systems Market: Observatory Observation (2020-2025) & (K Units)
- Figure 19. Astrophotography Control Systems Consumed in Others
- Figure 20. Global Astrophotography Control Systems Market: Others (2020-2025) & (K Units)
- Figure 21. Global Astrophotography Control Systems Sale Market Share by Application (2024)
- Figure 22. Global Astrophotography Control Systems Revenue Market Share by Application in 2025

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

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

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

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

Figure 27. Global Astrophotography Control Systems Sales Market Share by Geographic Region (2020-2025)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Figure 45. APAC Astrophotography Control Systems Sales Market Share by Region in

2025

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Figure 73. Manufacturing Cost Structure Analysis of Astrophotography Control Systems in 2025

Figure 74. Manufacturing Process Analysis of Astrophotography Control Systems

Figure 75. Industry Chain Structure of Astrophotography Control Systems

Figure 76. Channels of Distribution

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

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

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

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

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

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

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