

Global AI-Enabled Traffic Signal Controller Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/GBFBA2B1FC3EEN.html>

Date: March 2026

Pages: 144

Price: US\$ 3,200.00 (Single User License)

ID: GBFBA2B1FC3EEN

Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on AI-Enabled Traffic Signal Controller competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. In 2024, global AI-enabled traffic signal controller production reached approximately 28 K units, with an average global market price of around US\$ 10,226/unit. An AI-enabled traffic signal controller is a standards-compliant signal controller (per NTCIP/ATC or NEMA TS-2) that executes intersection control logic while ingesting high-resolution data from detectors and/or connected-vehicle feeds; the controller (or an edge module it supervises) runs AI models to adapt phasing and timing in real time. Upstream inputs include sensors/detectors (video, radar, LiDAR, loops), V2X/RSU for SPaT/MAP, and industrial compute/controller hardware; downstream customers are city/state DOTs and traffic O&M integrators deploying adaptive signal control, transit signal priority, emergency preemption, connected-intersection services and ATSPMs. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 30% to 50%.

The global AI-Enabled Traffic Signal Controller market size was estimated at USD 285.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 12.80% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global AI-Enabled Traffic Signal Controller market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global AI-Enabled Traffic Signal Controller market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the AI-Enabled Traffic Signal Controller market.

Global AI-Enabled Traffic Signal Controller Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Yunex Traffic

SWARCO

Econolite

Q-Free

Aldridge Traffic Controllers

Kyosan Electric

Nippon Signal
Hikvision
Dahua Technology
Hisense

Market Segmentation (by Type)

ATC-Compliant Controllers
NEMA TS-2 Controllers
ITS Controllers
Other

Market Segmentation (by Application)

Main Roads
Branch Roads
Tunnels

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the AI-Enabled Traffic Signal Controller Market
Overview of the regional outlook of the AI-Enabled Traffic Signal Controller Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the AI-Enabled Traffic Signal Controller Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of AI-Enabled Traffic Signal Controller, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth

as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of AI-Enabled Traffic Signal Controller
- 1.2 Key Market Segments
 - 1.2.1 AI-Enabled Traffic Signal Controller Segment by Type
 - 1.2.2 AI-Enabled Traffic Signal Controller Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 AI-ENABLED TRAFFIC SIGNAL CONTROLLER MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global AI-Enabled Traffic Signal Controller Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global AI-Enabled Traffic Signal Controller Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 AI-ENABLED TRAFFIC SIGNAL CONTROLLER MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global AI-Enabled Traffic Signal Controller Product Life Cycle
- 3.3 Global AI-Enabled Traffic Signal Controller Sales by Manufacturers (2020-2025)
- 3.4 Global AI-Enabled Traffic Signal Controller Revenue Market Share by Manufacturers (2020-2025)
- 3.5 AI-Enabled Traffic Signal Controller Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global AI-Enabled Traffic Signal Controller Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 AI-Enabled Traffic Signal Controller Market Competitive Situation and Trends

- 3.8.1 AI-Enabled Traffic Signal Controller Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest AI-Enabled Traffic Signal Controller Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

4 AI-ENABLED TRAFFIC SIGNAL CONTROLLER INDUSTRY CHAIN ANALYSIS

- 4.1 AI-Enabled Traffic Signal Controller Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF AI-ENABLED TRAFFIC SIGNAL CONTROLLER MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global AI-Enabled Traffic Signal Controller Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to AI-Enabled Traffic Signal Controller Market
- 5.7 ESG Ratings of Leading Companies

6 AI-ENABLED TRAFFIC SIGNAL CONTROLLER MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global AI-Enabled Traffic Signal Controller Sales Market Share by Type (2020-2025)

6.3 Global AI-Enabled Traffic Signal Controller Market Size by Type (2020-2025)

6.4 Global AI-Enabled Traffic Signal Controller Price by Type (2020-2025)

7 AI-ENABLED TRAFFIC SIGNAL CONTROLLER MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global AI-Enabled Traffic Signal Controller Market Sales by Application (2020-2025)

7.3 Global AI-Enabled Traffic Signal Controller Market Size (M USD) by Application (2020-2025)

7.4 Global AI-Enabled Traffic Signal Controller Sales Growth Rate by Application (2020-2025)

8 AI-ENABLED TRAFFIC SIGNAL CONTROLLER MARKET SALES BY REGION

8.1 Global AI-Enabled Traffic Signal Controller Sales by Region

8.1.1 Global AI-Enabled Traffic Signal Controller Sales by Region

8.1.2 Global AI-Enabled Traffic Signal Controller Sales Market Share by Region

8.2 Global AI-Enabled Traffic Signal Controller Market Size by Region

8.2.1 Global AI-Enabled Traffic Signal Controller Market Size by Region

8.2.2 Global AI-Enabled Traffic Signal Controller Market Size by Region

8.3 North America

8.3.1 North America AI-Enabled Traffic Signal Controller Sales by Country

8.3.2 North America AI-Enabled Traffic Signal Controller Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe AI-Enabled Traffic Signal Controller Sales by Country

8.4.2 Europe AI-Enabled Traffic Signal Controller Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific AI-Enabled Traffic Signal Controller Sales by Region

- 8.5.2 Asia Pacific AI-Enabled Traffic Signal Controller Market Size by Region
- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America AI-Enabled Traffic Signal Controller Sales by Country
 - 8.6.2 South America AI-Enabled Traffic Signal Controller Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa AI-Enabled Traffic Signal Controller Sales by Region
 - 8.7.2 Middle East and Africa AI-Enabled Traffic Signal Controller Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 AI-ENABLED TRAFFIC SIGNAL CONTROLLER MARKET PRODUCTION BY REGION

- 9.1 Global Production of AI-Enabled Traffic Signal Controller by Region(2020-2025)
- 9.2 Global AI-Enabled Traffic Signal Controller Revenue Market Share by Region (2020-2025)
- 9.3 Global AI-Enabled Traffic Signal Controller Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America AI-Enabled Traffic Signal Controller Production
 - 9.4.1 North America AI-Enabled Traffic Signal Controller Production Growth Rate (2020-2025)
 - 9.4.2 North America AI-Enabled Traffic Signal Controller Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe AI-Enabled Traffic Signal Controller Production
 - 9.5.1 Europe AI-Enabled Traffic Signal Controller Production Growth Rate (2020-2025)
 - 9.5.2 Europe AI-Enabled Traffic Signal Controller Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan AI-Enabled Traffic Signal Controller Production (2020-2025)

9.6.1 Japan AI-Enabled Traffic Signal Controller Production Growth Rate (2020-2025)

9.6.2 Japan AI-Enabled Traffic Signal Controller Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China AI-Enabled Traffic Signal Controller Production (2020-2025)

9.7.1 China AI-Enabled Traffic Signal Controller Production Growth Rate (2020-2025)

9.7.2 China AI-Enabled Traffic Signal Controller Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Yunex Traffic

10.1.1 Yunex Traffic Basic Information

10.1.2 Yunex Traffic AI-Enabled Traffic Signal Controller Product Overview

10.1.3 Yunex Traffic AI-Enabled Traffic Signal Controller Product Market Performance

10.1.4 Yunex Traffic Business Overview

10.1.5 Yunex Traffic SWOT Analysis

10.1.6 Yunex Traffic Recent Developments

10.2 SWARCO

10.2.1 SWARCO Basic Information

10.2.2 SWARCO AI-Enabled Traffic Signal Controller Product Overview

10.2.3 SWARCO AI-Enabled Traffic Signal Controller Product Market Performance

10.2.4 SWARCO Business Overview

10.2.5 SWARCO SWOT Analysis

10.2.6 SWARCO Recent Developments

10.3 Econolite

10.3.1 Econolite Basic Information

10.3.2 Econolite AI-Enabled Traffic Signal Controller Product Overview

10.3.3 Econolite AI-Enabled Traffic Signal Controller Product Market Performance

10.3.4 Econolite Business Overview

10.3.5 Econolite SWOT Analysis

10.3.6 Econolite Recent Developments

10.4 Q-Free

10.4.1 Q-Free Basic Information

10.4.2 Q-Free AI-Enabled Traffic Signal Controller Product Overview

10.4.3 Q-Free AI-Enabled Traffic Signal Controller Product Market Performance

10.4.4 Q-Free Business Overview

10.4.5 Q-Free Recent Developments

10.5 Aldridge Traffic Controllers

- 10.5.1 Aldridge Traffic Controllers Basic Information
- 10.5.2 Aldridge Traffic Controllers AI-Enabled Traffic Signal Controller Product Overview
- 10.5.3 Aldridge Traffic Controllers AI-Enabled Traffic Signal Controller Product Market Performance
- 10.5.4 Aldridge Traffic Controllers Business Overview
- 10.5.5 Aldridge Traffic Controllers Recent Developments
- 10.6 Kyosan Electric
 - 10.6.1 Kyosan Electric Basic Information
 - 10.6.2 Kyosan Electric AI-Enabled Traffic Signal Controller Product Overview
 - 10.6.3 Kyosan Electric AI-Enabled Traffic Signal Controller Product Market Performance
 - 10.6.4 Kyosan Electric Business Overview
 - 10.6.5 Kyosan Electric Recent Developments
- 10.7 Nippon Signal
 - 10.7.1 Nippon Signal Basic Information
 - 10.7.2 Nippon Signal AI-Enabled Traffic Signal Controller Product Overview
 - 10.7.3 Nippon Signal AI-Enabled Traffic Signal Controller Product Market Performance
 - 10.7.4 Nippon Signal Business Overview
 - 10.7.5 Nippon Signal Recent Developments
- 10.8 Hikvision
 - 10.8.1 Hikvision Basic Information
 - 10.8.2 Hikvision AI-Enabled Traffic Signal Controller Product Overview
 - 10.8.3 Hikvision AI-Enabled Traffic Signal Controller Product Market Performance
 - 10.8.4 Hikvision Business Overview
 - 10.8.5 Hikvision Recent Developments
- 10.9 Dahua Technology
 - 10.9.1 Dahua Technology Basic Information
 - 10.9.2 Dahua Technology AI-Enabled Traffic Signal Controller Product Overview
 - 10.9.3 Dahua Technology AI-Enabled Traffic Signal Controller Product Market Performance
 - 10.9.4 Dahua Technology Business Overview
 - 10.9.5 Dahua Technology Recent Developments
- 10.10 Hisense
 - 10.10.1 Hisense Basic Information
 - 10.10.2 Hisense AI-Enabled Traffic Signal Controller Product Overview
 - 10.10.3 Hisense AI-Enabled Traffic Signal Controller Product Market Performance
 - 10.10.4 Hisense Business Overview
 - 10.10.5 Hisense Recent Developments

11 AI-ENABLED TRAFFIC SIGNAL CONTROLLER MARKET FORECAST BY REGION

11.1 Global AI-Enabled Traffic Signal Controller Market Size Forecast

11.2 Global AI-Enabled Traffic Signal Controller Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe AI-Enabled Traffic Signal Controller Market Size Forecast by Country

11.2.3 Asia Pacific AI-Enabled Traffic Signal Controller Market Size Forecast by Region

11.2.4 South America AI-Enabled Traffic Signal Controller Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of AI-Enabled Traffic Signal Controller by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global AI-Enabled Traffic Signal Controller Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of AI-Enabled Traffic Signal Controller by Type (2026-2035)

12.1.2 Global AI-Enabled Traffic Signal Controller Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of AI-Enabled Traffic Signal Controller by Type (2026-2035)

12.2 Global AI-Enabled Traffic Signal Controller Market Forecast by Application (2026-2035)

12.2.1 Global AI-Enabled Traffic Signal Controller Sales (K Units) Forecast by Application

12.2.2 Global AI-Enabled Traffic Signal Controller Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Global AI-Enabled Traffic Signal Controller Market Size by Type (M USD)
- Table 4. Global AI-Enabled Traffic Signal Controller Market Size by Application
- Table 5. AI-Enabled Traffic Signal Controller Market Size Comparison by Region (M USD)
- Table 6. Global AI-Enabled Traffic Signal Controller Sales (K Units) by Manufacturers (2020-2025)
- Table 7. Global AI-Enabled Traffic Signal Controller Sales Market Share by Manufacturers (2020-2025)
- Table 8. Global AI-Enabled Traffic Signal Controller Revenue (M USD) by Manufacturers (2020-2025)
- Table 9. Global AI-Enabled Traffic Signal Controller Revenue Share by Manufacturers (2020-2025)
- Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in AI-Enabled Traffic Signal Controller as of 2025)
- Table 11. Global Market AI-Enabled Traffic Signal Controller Average Price (USD/Unit) of Key Manufacturers (2020-2025)
- Table 12. Manufacturers? Manufacturing Sites, Areas Served
- Table 13. Manufacturers? Product Type
- Table 14. Global AI-Enabled Traffic Signal Controller Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15. Mergers & Acquisitions, Expansion Plans
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. AI-Enabled Traffic Signal Controller Market Challenges
- Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026
- Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027
- Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026
- Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
- Table 26. Global AI-Enabled Traffic Signal Controller Sales by Type (K Units)

Table 27. Global AI-Enabled Traffic Signal Controller Market Size by Type (M USD)

Table 28. Global AI-Enabled Traffic Signal Controller Sales (K Units) by Type (2020-2025)

Table 29. Global AI-Enabled Traffic Signal Controller Sales Market Share by Type (2020-2025)

Table 30. Global AI-Enabled Traffic Signal Controller Market Size (M USD) by Type (2020-2025)

Table 31. Global AI-Enabled Traffic Signal Controller Market Share by Type (2020-2025)

Table 32. Global AI-Enabled Traffic Signal Controller Price (USD/Unit) by Type (2020-2025)

Table 33. Global AI-Enabled Traffic Signal Controller Sales (K Units) by Application

Table 34. Global AI-Enabled Traffic Signal Controller Market Size by Application

Table 35. Global AI-Enabled Traffic Signal Controller Sales by Application (2020-2025) & (K Units)

Table 36. Global AI-Enabled Traffic Signal Controller Sales Market Share by Application (2020-2025)

Table 37. Global AI-Enabled Traffic Signal Controller Market Size by Application (2020-2025) & (M USD)

Table 38. Global AI-Enabled Traffic Signal Controller Market Share by Application (2020-2025)

Table 39. Global AI-Enabled Traffic Signal Controller Sales Growth Rate by Application (2020-2025)

Table 40. Global AI-Enabled Traffic Signal Controller Sales by Region (2020-2025) & (K Units)

Table 41. Global AI-Enabled Traffic Signal Controller Sales Market Share by Region (2020-2025)

Table 42. Global AI-Enabled Traffic Signal Controller Market Size by Region (2020-2025) & (M USD)

Table 43. Global AI-Enabled Traffic Signal Controller Market Size by Region (2020-2025)

Table 44. North America AI-Enabled Traffic Signal Controller Sales by Country (2020-2025) & (K Units)

Table 45. North America AI-Enabled Traffic Signal Controller Market Size by Country (2020-2025) & (M USD)

Table 46. Europe AI-Enabled Traffic Signal Controller Sales by Country (2020-2025) & (K Units)

Table 47. Europe AI-Enabled Traffic Signal Controller Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific AI-Enabled Traffic Signal Controller Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific AI-Enabled Traffic Signal Controller Market Size by Region (2020-2025) & (M USD)

Table 50. South America AI-Enabled Traffic Signal Controller Sales by Country (2020-2025) & (K Units)

Table 51. South America AI-Enabled Traffic Signal Controller Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa AI-Enabled Traffic Signal Controller Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa AI-Enabled Traffic Signal Controller Market Size by Region (2020-2025) & (M USD)

Table 54. Global AI-Enabled Traffic Signal Controller Production (K Units) by Region(2020-2025)

Table 55. Global AI-Enabled Traffic Signal Controller Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global AI-Enabled Traffic Signal Controller Revenue Market Share by Region (2020-2025)

Table 57. Global AI-Enabled Traffic Signal Controller Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America AI-Enabled Traffic Signal Controller Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe AI-Enabled Traffic Signal Controller Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan AI-Enabled Traffic Signal Controller Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China AI-Enabled Traffic Signal Controller Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. Yunex Traffic Basic Information

Table 63. Yunex Traffic AI-Enabled Traffic Signal Controller Product Overview

Table 64. Yunex Traffic AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. Yunex Traffic Business Overview

Table 66. Yunex Traffic SWOT Analysis

Table 67. Yunex Traffic Recent Developments

Table 68. SWARCO Basic Information

Table 69. SWARCO AI-Enabled Traffic Signal Controller Product Overview

Table 70. SWARCO AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. SWARCO Business Overview

Table 72. SWARCO SWOT Analysis

Table 73. SWARCO Recent Developments

Table 74. Econolite Basic Information

Table 75. Econolite AI-Enabled Traffic Signal Controller Product Overview

Table 76. Econolite AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. Econolite Business Overview

Table 78. Econolite SWOT Analysis

Table 79. Econolite Recent Developments

Table 80. Q-Free Basic Information

Table 81. Q-Free AI-Enabled Traffic Signal Controller Product Overview

Table 82. Q-Free AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 83. Q-Free Business Overview

Table 84. Q-Free Recent Developments

Table 85. Aldridge Traffic Controllers Basic Information

Table 86. Aldridge Traffic Controllers AI-Enabled Traffic Signal Controller Product Overview

Table 87. Aldridge Traffic Controllers AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. Aldridge Traffic Controllers Business Overview

Table 89. Aldridge Traffic Controllers Recent Developments

Table 90. Kyosan Electric Basic Information

Table 91. Kyosan Electric AI-Enabled Traffic Signal Controller Product Overview

Table 92. Kyosan Electric AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 93. Kyosan Electric Business Overview

Table 94. Kyosan Electric Recent Developments

Table 95. Nippon Signal Basic Information

Table 96. Nippon Signal AI-Enabled Traffic Signal Controller Product Overview

Table 97. Nippon Signal AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 98. Nippon Signal Business Overview

Table 99. Nippon Signal Recent Developments

Table 100. Hikvision Basic Information

Table 101. Hikvision AI-Enabled Traffic Signal Controller Product Overview

Table 102. Hikvision AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 103. Hikvision Business Overview

Table 104. Hikvision Recent Developments

Table 105. Dahua Technology Basic Information

Table 106. Dahua Technology AI-Enabled Traffic Signal Controller Product Overview

Table 107. Dahua Technology AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. Dahua Technology Business Overview

Table 109. Dahua Technology Recent Developments

Table 110. Hisense Basic Information

Table 111. Hisense AI-Enabled Traffic Signal Controller Product Overview

Table 112. Hisense AI-Enabled Traffic Signal Controller Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. Hisense Business Overview

Table 114. Hisense Recent Developments

Table 115. Global AI-Enabled Traffic Signal Controller Sales Forecast by Region (2026-2035) & (K Units)

Table 116. Global AI-Enabled Traffic Signal Controller Market Size Forecast by Region (2026-2035) & (M USD)

Table 117. North America AI-Enabled Traffic Signal Controller Sales Forecast by Country (2026-2035) & (K Units)

Table 118. North America AI-Enabled Traffic Signal Controller Market Size Forecast by Country (2026-2035) & (M USD)

Table 119. Europe AI-Enabled Traffic Signal Controller Sales Forecast by Country (2026-2035) & (K Units)

Table 120. Europe AI-Enabled Traffic Signal Controller Market Size Forecast by Country (2026-2035) & (M USD)

Table 121. Asia Pacific AI-Enabled Traffic Signal Controller Sales Forecast by Region (2026-2035) & (K Units)

Table 122. Asia Pacific AI-Enabled Traffic Signal Controller Market Size Forecast by Region (2026-2035) & (M USD)

Table 123. South America AI-Enabled Traffic Signal Controller Sales Forecast by Country (2026-2035) & (K Units)

Table 124. South America AI-Enabled Traffic Signal Controller Market Size Forecast by Country (2026-2035) & (M USD)

Table 125. Middle East and Africa AI-Enabled Traffic Signal Controller Sales Forecast by Country (2026-2035) & (Units)

Table 126. Middle East and Africa AI-Enabled Traffic Signal Controller Market Size Forecast by Country (2026-2035) & (M USD)

Table 127. Global AI-Enabled Traffic Signal Controller Sales Forecast by Type

(2026-2035) & (K Units)

Table 128. Global AI-Enabled Traffic Signal Controller Market Size Forecast by Type (2026-2035) & (M USD)

Table 129. Global AI-Enabled Traffic Signal Controller Price Forecast by Type (2026-2035) & (USD/Unit)

Table 130. Global AI-Enabled Traffic Signal Controller Sales (K Units) Forecast by Application (2026-2035)

Table 131. Global AI-Enabled Traffic Signal Controller Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of AI-Enabled Traffic Signal Controller
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global AI-Enabled Traffic Signal Controller Market Size (M USD), 2025-2035
- Figure 5. Global AI-Enabled Traffic Signal Controller Market Size (M USD) (2020-2035)
- Figure 6. Global AI-Enabled Traffic Signal Controller Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. AI-Enabled Traffic Signal Controller Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global AI-Enabled Traffic Signal Controller Product Life Cycle
- Figure 13. AI-Enabled Traffic Signal Controller Sales Share by Manufacturers in 2025
- Figure 14. Global AI-Enabled Traffic Signal Controller Revenue Share by Manufacturers in 2025
- Figure 15. AI-Enabled Traffic Signal Controller Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market AI-Enabled Traffic Signal Controller Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by AI-Enabled Traffic Signal Controller Revenue in 2025
- Figure 18. Industry Chain Map of AI-Enabled Traffic Signal Controller
- Figure 19. Global AI-Enabled Traffic Signal Controller Market PEST Analysis
- Figure 20. Global AI-Enabled Traffic Signal Controller Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global AI-Enabled Traffic Signal Controller Market Share by Type
- Figure 27. Sales Market Share of AI-Enabled Traffic Signal Controller by Type (2020-2025)
- Figure 28. Sales Market Share of AI-Enabled Traffic Signal Controller by Type in 2025
- Figure 29. Market Share of AI-Enabled Traffic Signal Controller by Type (2020-2025)

- Figure 30. Market Share of AI-Enabled Traffic Signal Controller by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global AI-Enabled Traffic Signal Controller Market Share by Application
- Figure 33. Global AI-Enabled Traffic Signal Controller Sales Market Share by Application (2020-2025)
- Figure 34. Global AI-Enabled Traffic Signal Controller Sales Market Share by Application in 2025
- Figure 35. Global AI-Enabled Traffic Signal Controller Market Share by Application (2020-2025)
- Figure 36. Global AI-Enabled Traffic Signal Controller Market Share by Application in 2025
- Figure 37. Global AI-Enabled Traffic Signal Controller Sales Growth Rate by Application (2020-2025)
- Figure 38. Global AI-Enabled Traffic Signal Controller Sales Market Share by Region (2020-2025)
- Figure 39. Global AI-Enabled Traffic Signal Controller Market Size by Region (2020-2025)
- Figure 40. North America AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America AI-Enabled Traffic Signal Controller Sales Market Share by Country in 2024
- Figure 43. North America AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America AI-Enabled Traffic Signal Controller Market Size by Country in 2024
- Figure 45. U.S. AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada AI-Enabled Traffic Signal Controller Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada AI-Enabled Traffic Signal Controller Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico AI-Enabled Traffic Signal Controller Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico AI-Enabled Traffic Signal Controller Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe AI-Enabled Traffic Signal Controller Sales Market Share by Country in 2024

Figure 53. Europe AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe AI-Enabled Traffic Signal Controller Market Size by Country in 2024

Figure 55. Germany AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific AI-Enabled Traffic Signal Controller Sales and Growth Rate (K Units)

Figure 66. Asia Pacific AI-Enabled Traffic Signal Controller Sales Market Share by Region in 2024

Figure 67. Asia Pacific AI-Enabled Traffic Signal Controller Market Size by Region in 2024

Figure 68. China AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America AI-Enabled Traffic Signal Controller Sales and Growth Rate (K Units)

Figure 79. South America AI-Enabled Traffic Signal Controller Sales Market Share by Country in 2024

Figure 80. South America AI-Enabled Traffic Signal Controller Market Size and Growth Rate (M USD)

Figure 81. South America AI-Enabled Traffic Signal Controller Market Size by Country in 2024

Figure 82. Brazil AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa AI-Enabled Traffic Signal Controller Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa AI-Enabled Traffic Signal Controller Sales Market Share by Region in 2024

Figure 90. Middle East and Africa AI-Enabled Traffic Signal Controller Market Size and

Growth Rate (M USD)

Figure 91. Middle East and Africa AI-Enabled Traffic Signal Controller Market Size by Region in 2024

Figure 92. Saudi Arabia AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa AI-Enabled Traffic Signal Controller Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa AI-Enabled Traffic Signal Controller Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global AI-Enabled Traffic Signal Controller Production Market Share by Region (2020-2025)

Figure 103. North America AI-Enabled Traffic Signal Controller Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe AI-Enabled Traffic Signal Controller Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan AI-Enabled Traffic Signal Controller Production (K Units) Growth Rate (2020-2025)

Figure 106. China AI-Enabled Traffic Signal Controller Production (K Units) Growth Rate (2020-2025)

Figure 107. Global AI-Enabled Traffic Signal Controller Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global AI-Enabled Traffic Signal Controller Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global AI-Enabled Traffic Signal Controller Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global AI-Enabled Traffic Signal Controller Market Share Forecast by Type (2026-2035)

Figure 111. Global AI-Enabled Traffic Signal Controller Sales Forecast by Application (2026-2035)

Figure 112. Global AI-Enabled Traffic Signal Controller Market Share Forecast by Application (2026-2035)

I would like to order

Product name: Global AI-Enabled Traffic Signal Controller Market Research Report 2026(Status and Outlook)

Product link: <https://marketpublishers.com/r/GBFBA2B1FC3EEN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GBFBA2B1FC3EEN.html>