

Global AI Endoscopy Market Research Report 2024(Status and Outlook)

<https://marketpublishers.com/r/G648EF1126A5EN.html>

Date: December 2024

Pages: 147

Price: US\$ 2,800.00 (Single User License)

ID: G648EF1126A5EN

Abstracts

Report Overview

AI endoscopy refers to the application of artificial intelligence (AI) technology in the field of endoscopy, where advanced algorithms are used to assist healthcare professionals in analyzing endoscopic images and videos for diagnostic and treatment purposes. This innovative technology has gained significant traction in the medical industry due to its potential to improve diagnostic accuracy, efficiency, and patient outcomes.

The current market size for AI endoscopy in 2023 is estimated at approximately USD 120 million. With a projected compound annual growth rate (CAGR) of 25.50% from 2024 to 2032, the market is expected to reach USD 580 million by the end of the forecast period. This growth can be attributed to several key drivers and market forces shaping the industry.

One of the primary growth drivers for AI endoscopy is the increasing prevalence of gastrointestinal diseases and cancers worldwide. The demand for early and accurate detection of these conditions has fueled the adoption of AI technology in endoscopy procedures. Additionally, the rising geriatric population, technological advancements in AI algorithms, and the growing emphasis on minimally invasive procedures have further propelled market growth.

In terms of market trends, there is a notable shift towards AI-powered endoscopy systems that offer real-time image analysis, lesion detection, and decision support to healthcare providers. These systems leverage machine learning and deep learning algorithms to assist in polyp detection, tumor identification, and pathology recognition during endoscopic examinations. Furthermore, the integration of AI with endoscopic

devices is enabling personalized treatment plans and improving procedural outcomes.

Another trend in the AI endoscopy market is the development of tele-endoscopy solutions that allow remote monitoring and consultation for patients in underserved or remote areas. This technology facilitates access to expert medical advice, enhances collaboration among healthcare professionals, and improves patient care outcomes, especially in regions with limited healthcare resources.

In terms of regional market distribution, North America currently leads the global AI endoscopy market, driven by the presence of key industry players, advanced healthcare infrastructure, and high adoption rates of AI technologies in medical settings. Europe follows closely behind, supported by increasing investments in healthcare innovation and research. Asia-Pacific is also emerging as a significant market for AI endoscopy, fueled by growing healthcare expenditure, rising awareness about early disease detection, and improving access to advanced medical technologies.

Despite the promising growth prospects, the AI endoscopy market faces challenges such as regulatory hurdles, data privacy concerns, and the need for robust validation and clinical evidence to ensure the reliability and safety of AI algorithms in medical practice. Overcoming these challenges will be crucial for the widespread adoption and acceptance of AI endoscopy solutions in the healthcare industry.

In conclusion, the AI endoscopy market is poised for substantial growth in the coming years, driven by technological advancements, increasing healthcare needs, and the demand for more accurate and efficient diagnostic tools. Healthcare providers, technology developers, and regulatory bodies must collaborate to address challenges, harness market trends, and unlock the full potential of AI endoscopy in revolutionizing medical diagnostics and patient care.

This report provides a deep insight into the global AI Endoscopy market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the

Global AI Endoscopy Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the AI Endoscopy market in any manner.

Global AI Endoscopy Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Medtronic

AnX Robotica

Odin Medical Ltd.

NEC Corporation

ASUS

aiEndoscopic

Virgo

AI Medical Service

Wision A.I.

PENTAX Medical

Fujifilm

Omega Medical Imaging

Market Segmentation (by Type)

Software

Hardware

Market Segmentation (by Application)

Hospital

Clinic

Others

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 Endoscopy Market

Overview of the regional outlook of the AI Endoscopy Market:

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 (USD Billion) 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.

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 Endoscopy 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 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 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of AI Endoscopy

1.2 Key Market Segments

1.2.1 AI Endoscopy Segment by Type

1.2.2 AI Endoscopy 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 ENDOSCOPY MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global AI Endoscopy Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global AI Endoscopy Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

2.4 Macroeconomic Analysis

3 AI ENDOSCOPY MARKET COMPETITIVE LANDSCAPE

3.1 Global AI Endoscopy Sales by Manufacturers (2019-2024)

3.2 Global AI Endoscopy Revenue Market Share by Manufacturers (2019-2024)

3.3 AI Endoscopy Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global AI Endoscopy Average Price by Manufacturers (2019-2024)

3.5 Manufacturers AI Endoscopy Sales Sites, Area Served, Product Type

3.6 AI Endoscopy Market Competitive Situation and Trends

3.6.1 AI Endoscopy Market Concentration Rate

3.6.2 Global 5 and 10 Largest AI Endoscopy Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 AI ENDOSCOPY INDUSTRY CHAIN ANALYSIS

- 4.1 AI Endoscopy 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 ENDOSCOPY MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 New Product Developments
 - 5.5.2 Mergers & Acquisitions
 - 5.5.3 Expansions
 - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 AI ENDOSCOPY MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global AI Endoscopy Sales Market Share by Type (2019-2024)
- 6.3 Global AI Endoscopy Market Size Market Share by Type (2019-2024)
- 6.4 Global AI Endoscopy Price by Type (2019-2024)

7 AI ENDOSCOPY MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global AI Endoscopy Market Sales by Application (2019-2024)
- 7.3 Global AI Endoscopy Market Size (M USD) by Application (2019-2024)
- 7.4 Global AI Endoscopy Sales Growth Rate by Application (2019-2024)

8 AI ENDOSCOPY MARKET SALES BY REGION

- 8.1 Global AI Endoscopy Sales by Region
 - 8.1.1 Global AI Endoscopy Sales by Region
 - 8.1.2 Global AI Endoscopy Sales Market Share by Region
- 8.2 Global AI Endoscopy Market Size by Region
 - 8.2.1 Global AI Endoscopy Market Size by Region

8.2.2 Global AI Endoscopy Market Size Market Share by Region

8.3 North America

8.3.1 North America AI Endoscopy Sales by Country

8.3.2 North America AI Endoscopy 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 Endoscopy Sales by Country

8.4.2 Europe AI Endoscopy 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 Russia Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific AI Endoscopy Sales by Region

8.5.2 China

8.5.3 Japan

8.5.4 South Korea

8.5.5 India

8.5.6 Southeast Asia

8.6 Asia Pacific

8.6.1 Asia Pacific AI Endoscopy Market Size by Region

8.6.2 Asia Pacific AI Endoscopy Market Size by Region

8.6.3 China

8.6.4 Japan

8.6.5 South Korea

8.6.6 India

8.6.7 Southeast Asia

8.7 South America

8.7.1 South America AI Endoscopy Sales by Country

8.7.2 South America AI Endoscopy Market Size by Country

8.7.3 Brazil

8.7.4 Argentina

8.7.5 Columbia

8.8 Middle East and Africa

8.8.1 Middle East and Africa AI Endoscopy Sales by Region

8.8.2 Middle East and Africa AI Endoscopy Market Size by Region

8.8.3 Saudi Arabia

8.8.4 UAE

8.8.5 Egypt

8.8.6 Nigeria

8.8.7 South Africa

9 AI ENDOSCOPY MARKET PRODUCTION BY REGION

9.1 Global Production of AI Endoscopy by Region (2019-2024)

9.2 Global AI Endoscopy Revenue Market Share by Region (2019-2024)

9.3 Global AI Endoscopy Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America AI Endoscopy Production

9.4.1 North America AI Endoscopy Production Growth Rate (2019-2024)

9.4.2 North America AI Endoscopy Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe AI Endoscopy Production

9.5.1 Europe AI Endoscopy Production Growth Rate (2019-2024)

9.5.2 Europe AI Endoscopy Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan AI Endoscopy Production (2019-2024)

9.6.1 Japan AI Endoscopy Production Growth Rate (2019-2024)

9.6.2 Japan AI Endoscopy Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China AI Endoscopy Production (2019-2024)

9.7.1 China AI Endoscopy Production Growth Rate (2019-2024)

9.7.2 China AI Endoscopy Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Medtronic

10.1.1 Medtronic AI Endoscopy Basic Information

10.1.2 Medtronic AI Endoscopy Product Overview

10.1.3 Medtronic AI Endoscopy Product Market Performance

10.1.4 Medtronic Business Overview

10.1.5 Medtronic AI Endoscopy SWOT Analysis

10.1.6 Medtronic Recent Developments

10.2 AnX Robotica

10.2.1 AnX Robotica AI Endoscopy Basic Information

10.2.2 AnX Robotica AI Endoscopy Product Overview

10.2.3 AnX Robotica AI Endoscopy Product Market Performance

- 10.2.4 AnX Robotica Business Overview
- 10.2.5 AnX Robotica AI Endoscopy SWOT Analysis
- 10.2.6 AnX Robotica Recent Developments
- 10.3 Odin Medical Ltd.
 - 10.3.1 Odin Medical Ltd. AI Endoscopy Basic Information
 - 10.3.2 Odin Medical Ltd. AI Endoscopy Product Overview
 - 10.3.3 Odin Medical Ltd. AI Endoscopy Product Market Performance
 - 10.3.4 Odin Medical Ltd. AI Endoscopy SWOT Analysis
 - 10.3.5 Odin Medical Ltd. Business Overview
 - 10.3.6 Odin Medical Ltd. Recent Developments
- 10.4 NEC Corporation
 - 10.4.1 NEC Corporation AI Endoscopy Basic Information
 - 10.4.2 NEC Corporation AI Endoscopy Product Overview
 - 10.4.3 NEC Corporation AI Endoscopy Product Market Performance
 - 10.4.4 NEC Corporation Business Overview
 - 10.4.5 NEC Corporation Recent Developments
- 10.5 ASUS
 - 10.5.1 ASUS AI Endoscopy Basic Information
 - 10.5.2 ASUS AI Endoscopy Product Overview
 - 10.5.3 ASUS AI Endoscopy Product Market Performance
 - 10.5.4 ASUS Business Overview
 - 10.5.5 ASUS Recent Developments
- 10.6 aiEndoscopic
 - 10.6.1 aiEndoscopic AI Endoscopy Basic Information
 - 10.6.2 aiEndoscopic AI Endoscopy Product Overview
 - 10.6.3 aiEndoscopic AI Endoscopy Product Market Performance
 - 10.6.4 aiEndoscopic Business Overview
 - 10.6.5 aiEndoscopic Recent Developments
- 10.7 Virgo
 - 10.7.1 Virgo AI Endoscopy Basic Information
 - 10.7.2 Virgo AI Endoscopy Product Overview
 - 10.7.3 Virgo AI Endoscopy Product Market Performance
 - 10.7.4 Virgo Business Overview
 - 10.7.5 Virgo Recent Developments
- 10.8 AI Medical Service
 - 10.8.1 AI Medical Service AI Endoscopy Basic Information
 - 10.8.2 AI Medical Service AI Endoscopy Product Overview
 - 10.8.3 AI Medical Service AI Endoscopy Product Market Performance
 - 10.8.4 AI Medical Service Business Overview

10.8.5 AI Medical Service Recent Developments

10.9 Wision A.I.

10.9.1 Wision A.I. AI Endoscopy Basic Information

10.9.2 Wision A.I. AI Endoscopy Product Overview

10.9.3 Wision A.I. AI Endoscopy Product Market Performance

10.9.4 Wision A.I. Business Overview

10.9.5 Wision A.I. Recent Developments

10.10 PENTAX Medical

10.10.1 PENTAX Medical AI Endoscopy Basic Information

10.10.2 PENTAX Medical AI Endoscopy Product Overview

10.10.3 PENTAX Medical AI Endoscopy Product Market Performance

10.10.4 PENTAX Medical Business Overview

10.10.5 PENTAX Medical Recent Developments

10.11 Fujifilm

10.11.1 Fujifilm AI Endoscopy Basic Information

10.11.2 Fujifilm AI Endoscopy Product Overview

10.11.3 Fujifilm AI Endoscopy Product Market Performance

10.11.4 Fujifilm Business Overview

10.11.5 Fujifilm Recent Developments

10.12 Omega Medical Imaging

10.12.1 Omega Medical Imaging AI Endoscopy Basic Information

10.12.2 Omega Medical Imaging AI Endoscopy Product Overview

10.12.3 Omega Medical Imaging AI Endoscopy Product Market Performance

10.12.4 Omega Medical Imaging Business Overview

10.12.5 Omega Medical Imaging Recent Developments

11 AI ENDOSCOPY MARKET FORECAST BY REGION

11.1 Global AI Endoscopy Market Size Forecast

11.2 Global AI Endoscopy Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe AI Endoscopy Market Size Forecast by Country

11.2.3 Asia Pacific AI Endoscopy Market Size Forecast by Region

11.2.4 South America AI Endoscopy Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of AI Endoscopy by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

12.1 Global AI Endoscopy Market Forecast by Type (2025-2032)

- 12.1.1 Global Forecasted Sales of AI Endoscopy by Type (2025-2032)
- 12.1.2 Global AI Endoscopy Market Size Forecast by Type (2025-2032)
- 12.1.3 Global Forecasted Price of AI Endoscopy by Type (2025-2032)
- 12.2 Global AI Endoscopy Market Forecast by Application (2025-2032)
 - 12.2.1 Global AI Endoscopy Sales (K Units) Forecast by Application
 - 12.2.2 Global AI Endoscopy Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

I would like to order

Product name: Global AI Endoscopy Market Research Report 2024(Status and Outlook)

Product link: <https://marketpublishers.com/r/G648EF1126A5EN.html>

Price: US\$ 2,800.00 (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/G648EF1126A5EN.html>