

Global Endoscope Main Unit Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Endoscope Main Unit market size was valued at US\$ 3077 million in 2025 and is forecast to a readjusted size of US\$ 4568 million by 2032 with a CAGR of 6.0% during review period.

The endoscope main unit is the core control and imaging processing platform of an endoscopy system. It typically integrates image acquisition and processing units, light source control, video processing and enhancement algorithms, power management, and interface and data storage modules. It is used for real-time processing, display, recording, and transmission of signals from the endoscope probe or camera. As the central device of the entire endoscopy system, it is widely used in clinical settings such as digestive endoscopy, interventional respiratory surgery, minimally invasive surgery, urology, gynecology, and otolaryngology. In 2025, global endoscope main unit sales were approximately 260,000 units, with an average unit price of approximately US\$11,500 and a capacity utilization rate of approximately 76%. Upstream suppliers mainly include image processing SoC and FPGA manufacturers, display and video interface chip manufacturers, medical power supply and light source control module suppliers, precision structural component and heat dissipation device manufacturers, and system software and algorithm platform providers. Downstream suppliers include endoscope manufacturers, medical device brand owners, and hospitals and medical groups. The market also includes regional distributors and system integrators. The industry's gross profit margin is approximately 52%. In terms of product cost structure, image processing and main control boards account for approximately 22%, light sources and light source control modules for approximately 18%, display and video interfaces and storage modules for approximately 10%, power supplies and safety components for approximately 9%, chassis and heat dissipation structures for

approximately 8%, software and image algorithm platforms for approximately 12%, system integration and assembly for approximately 7%, testing and certification for approximately 6%, and logistics, management, and sales expenses for approximately 8%. The demand list mainly includes endoscopy center expansion, high-definition and 4K system upgrades, multi-department shared host configurations, increased minimally invasive surgery volume, and teaching and remote consultation applications. Downstream customers include tertiary hospital endoscopy centers, regional medical groups, specialized hospitals, teaching hospitals, and head endoscope system integrators. Business opportunities arise from the aging population driving increased endoscopy volume, new medical infrastructure and equipment upgrade policies, upgrades to 4K and AI-enhanced imaging technologies, and hospitals' changing consumer demands for higher imaging quality, higher system stability, and lower long-term maintenance costs.

This report is a detailed and comprehensive analysis for global Endoscope Main Unit market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Endoscope Main Unit market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Endoscope Main Unit market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Endoscope Main Unit market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Endoscope Main Unit market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

Global Endoscope Main Unit Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Endoscope Main Unit
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Endoscope Main Unit market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Karl Storz, Ambu, Olympus, Guangdong OptoMedic Technologies, Inc., Scivita Medical, Symmed Tech, REJOIN, Shenzhen ENNO Electronic Technology, Pioneer Medicalinstrument Technology, etc.

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

Market Segmentation

Endoscope Main Unit market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Rated Power: At Or Below 30 W

Rated Power: Above 30 W

Market segment by Maximum Resolution

Maximum Resolution: Below 1100P

Maximum Resolution: 1100-1600P

Maximum Resolution: Above 1600P

Market segment by Frequency

Frequency: 50 Hz

Frequency: 60 Hz

Market segment by Application

Gastrointestinal Endoscopy

Colonoscopy

Respiratory Endoscopy

Urological Endoscopy

Others

Major players covered

Karl Storz

Ambu

Olympus

Guangdong OptoMedic Technologies, Inc.

Scivita Medical

Symmed Tech

REJOIN

Shenzhen ENNO Electronic Technology

Pioneer Medicalinstrument Technology

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Endoscope Main Unit product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Endoscope Main Unit, with price, sales quantity, revenue, and global market share of Endoscope Main Unit from 2021 to 2026.

Chapter 3, the Endoscope Main Unit competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Endoscope Main Unit breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Endoscope Main Unit market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Endoscope Main Unit.

Chapter 14 and 15, to describe Endoscope Main Unit sales channel, distributors, customers, research findings and conclusion.

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