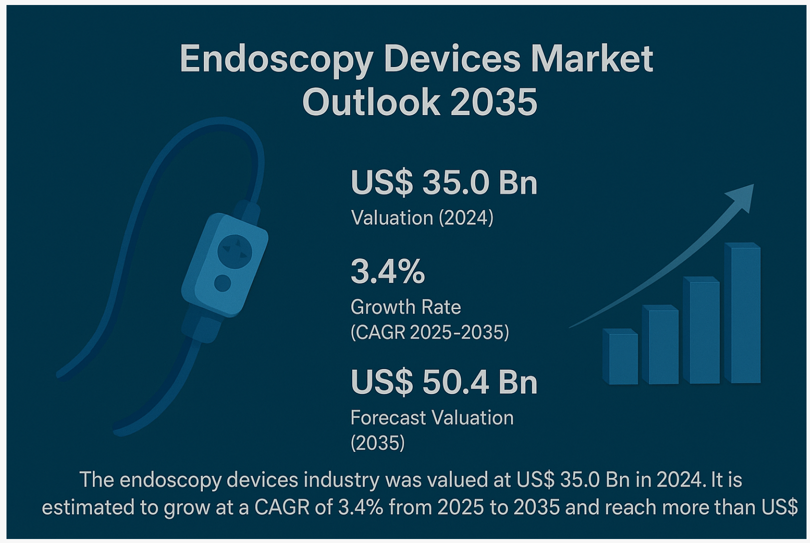
Endoscopy Devices Market Size Forecast to USD 50.4 Billion by 2035 with Growing Focus on Early Disease Detection – TMR

Endoscopy Devices Market Forecast Suggests Steady Expansion from USD 35.0 Billion in 2024 to Over USD 50.4 Billion by 2035 - TMR Analysis



Endoscopy Devices Market Outlook 2035

WILMINGTON, DE, UNITED STATES, August 21, 2025 /EINPresswire.com/ -- Endoscopy Devices Market Report (Outlook 2035)

The global endoscopy devices market is set for steady expansion on the back of minimally invasive (MI) care adoption, aging populations, and the push for early, cost-effective diagnostics. The industry was valued at US$ 35.0 Billion in 2024 and is projected to grow at a CAGR of 3.4% from 2025 to 2035, reaching more than US$ 50.4 Billion by 2035.

Demand is accelerating for high-definition (4K/8K) visualization, flexible and capsule endoscopy, single-use scopes, and AI-assisted image analysis. Hospitals and ambulatory surgical centers are upgrading fleets to reduce infection risk, improve workflow, and expand GI, pulmonology, urology, ENT, and gynecology procedures.

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Market Overview

Endoscopy devices—flexible/rigid scopes, visualization systems, insufflators, energy devices, accessories, and processors—enable diagnosis and therapy with reduced trauma, shorter stays, and faster recovery. Innovations such as chip-on-tip cameras, narrow band/UV imaging, robotic endoscopy, and disposable broncho/cystoscopes are improving detection sensitivity and procedural efficiency while lowering cross-contamination risk.

Analyst Viewpoint

Analysts view endoscopy as a core pillar of minimally invasive care. Value will shift toward integrated ecosystems that combine optics, imaging software, AI-enabled polyp detection, and sterile single-use platforms. Vendors that couple infection-prevention leadership with smart, interoperable towers and procedure-specific toolkits will gain share.

Analysis of Key Players

Leading companies focus on imaging performance, infection control, and portfolio breadth across GI and non-GI specialties:

- Ethicon Endo-Surgery
- Covidien plc
- Olympus Corporation
- Boston Scientific Corporation
- Intuitive Surgical, Inc.
- Stryker Corporation
- Richard Wolf
- FUJIFILM Holdings Corporation
- KARL STORZ GmbH & Co. KG
- HOYA Corporation
- B. Braun Melsungen AG
- Arthrex, Inc.
- Cook Medical, Inc.
- Other Prominent Players

(Profiles typically cover product portfolio, technology roadmaps, regulatory approvals, service models, and recent M&A/partnerships.)

Key Developments in the Endoscopy Devices Market

- October 2024 – Olympus Europa SE & Co. KG, through its group company Odin Medical Ltd. (Odin Vision), received CE approval in Europe for its innovative cloud-AI-powered endoscopy medical devices – CADDIE, CADU, and SMARTIBD – under the Medical Device Regulation (MDR). These advanced solutions leverage artificial intelligence to support precision diagnostics and treatment.

- September 2024 – Stryker launched its 1788 Advanced Imaging Platform in India, marking a significant advancement in surgical visualization technology. This next-generation platform, designed for use across multiple specialties, enhances imaging capabilities and supports better clinical outcomes, reinforcing Stryker’s leadership in surgical innovation.

Key Strategies by Market Players

• Infection Prevention First: Disposable scopes, sealed channels, and validated reprocessing workflows.
• Digital & AI Integration: Real-time polyp detection, decision support, and cloud reporting.
• Procedure Packs & Services: Subscription models, managed equipment services, and uptime guarantees.
• Emerging-Market Penetration: Cost-optimized towers and training ecosystems for ASC growth.
• Therapeutic Expansion: Endoluminal tools (ESD/EMR kits, hemostasis, closure, stents) to shift care from OR to endoscopy suite.

 Detailed strategy mapping available in the sample report copy – https://www.transparencymarketresearch.com/sample/sample.php?flag=S&rep_id=225

Key Growth Drivers

1. Rising GI Disease Burden: Colorectal cancer screening, IBD, GERD, and GI bleeding management.
2. Aging Population: Higher procedure volumes across GI, pulmonology, and urology.
3. Shift to Minimally Invasive Care: Reduced LOS, faster recovery, lower total cost of care.
4. Infection Control & Workflow Efficiency: Demand for single-use and smart reprocessing solutions.
5. Technology Advancements: HD/4K/8K optics, AI CADx/CADe, better ergonomics, and robotics.
6. ASC Proliferation: Migration of routine procedures to outpatient settings.

Market Segmentation Snapshot

By Product
• Endoscopes (flexible, rigid, capsule, single-use)
• Visualization & Imaging Systems (processors, light sources, cameras, monitors)
• Operative Devices (biopsy/forceps, snares, energy, closure)
• Accessories & Reprocessing (washers, sterilizers, detergents)

By Application
• Gastroenterology
• Pulmonology
• Urology
• ENT
• Gynecology
• Orthopedics/Arthroscopy
• General & Laparoscopic Surgery

By End-user
- Hospitals
- Ambulatory Surgical Centers (ASCs)
- Specialty Clinics & Diagnostic Centers

Regional Description

- North America: Largest share; strong screening programs, high ASC penetration, rapid AI adoption.
- Europe: Mature installed base with strict infection-prevention standards and robust training networks.
- Asia Pacific: Fastest growth; expanding GI screening, rising healthcare spend, localization of manufacturing.
- Latin America & Middle East & Africa: Gradual upgrades in tertiary centers; growing private-sector investment.

Key Takeaways for Stakeholders

- Manufacturers: Prioritize AI-ready platforms, single-use lines, and comprehensive service bundles.
- Providers/ASCs: Standardize towers, adopt CADx/CADe where reimbursement supports quality metrics, and optimize reprocessing.
- Investors: Opportunities in disposable scopes, AI software, and ASC-focused equipment financing.
- Distributors/Partners: Build training academies and rapid-service models to reduce downtime.

Why Buy This Report?

□ Forecasts to 2035 with segment/regional splits and adoption curves
□ Competitive benchmarking across visualization quality, AI readiness, and infection control
□ Implementation playbooks for ASC migration and ROI levers
□ Regulatory & reimbursement landscape for screening and therapeutic endoscopy

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Future Outlook: High-Definition, AI-Assisted, and Safer Endoscopy by 2035

Expect widespread AI assistance in detection and characterization, broader single-use adoption in high-risk workflows, and robotic/steerable platforms for complex therapeutic cases. Cloud-connected reporting and analytics will link quality metrics to reimbursement and outcomes.
Conclusion

Endoscopy is moving from pure visualization to intelligent, therapeutic platforms that elevate safety and efficiency. With the market set to rise from US$ 35.0 Bn (2024) to >US$ 50.4 Bn by 2035 at a 3.4% CAGR, stakeholders who invest in AI, infection prevention, and ASC-friendly economics will lead the next decade.

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Contact Us

Transparency Market Research Inc.
CORPORATE HEADQUARTER DOWNTOWN,
1000 N. West Street,
Suite 1200, Wilmington, Delaware 19801 USA
Tel: +1-518-618-1030
USA - Canada Toll Free: 866-552-3453
Website: https://www.transparencymarketresearch.com
Blog: https://tmrblog.com
Email: sales@transparencymarketresearch.com

Atil Chaudhari
Transparency Market Research Inc.
+ +1 518-618-1030
email us here
Visit us on social media:
LinkedIn
YouTube
X
Other

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