

EndoView: Smartphone-Based Endoscopic Visualization

Departments of Biomedical, Chemical, Electrical & Computer, and Civil & Environmental Engineering

Clinical Need

What is an endoscopy?

- Endoscopy: non-surgical medical visualization to diagnose, treat, & monitor diseases such as esophageal and stomach cancer (Fig. 1 & Fig. 2)
- 18.4M endoscopies in 2009 in USA costing ~\$2,700^{1,2}
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Final EndoView Prototype Design

Manufacturing Cost

Regulatory Pathway

Acknowledgments

Market Analysis

Product Testing

References