



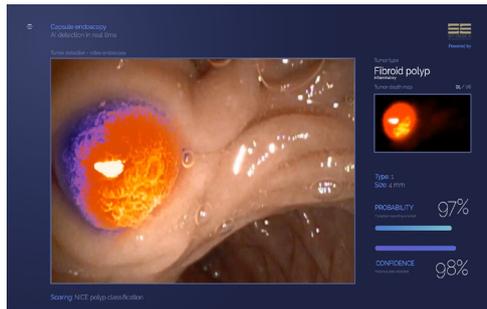
SKY ENGINE AI
DEEP LEARNING IN VIRTUAL REALITY

AI-DRIVEN REAL-TIME CANCER DETECTION AUTOMATED ENDOSCOPY DIAGNOSTICS

Enable shorter and real-time endoscopy diagnostics while improving cancer detection rate

Detection and diagnosis of early GI cancer depends upon the accurate interpretation of visual data presented to the physician during gastrointestinal tract cancer screening using endoscopy equipment.

Most studies* suggest that the endoscopy examinations do not reach levels of accuracy of recognition and characterization of tumours after resection, that meet the guidelines for high confidence optical diagnosis.



SKY ENGINE AI Platform view during real-time endoscopy examination - Polyp detection

Costly problems in medical diagnostics

- are mostly related to poorly assisted diagnostic activities leading to high costs:
- Disease detection rate is relatively low i.e., ~30% miss rate for adenoma as detection is sub-optimal
 - Long time to diagnosis and limited ability to perform diagnosis in real-time
 - High costs for Patients and Care Providers

* American Society for Gastrointestinal Endoscopy PIVI (Preservation and Incorporation of Valuable Endoscopic Innovations)

SKY ENGINE AI SOLUTION & CUSTOMER BENEFITS



IMPROVED DISEASE DETECTION RATE

SKY ENGINE AI automatically performs accurate screening through diagnostic data streams (images, video) to detect abnormal tissue regions.



SHORTER TIME TO DIAGNOSIS

Time to diagnosis can be greatly reduced from hours to minutes with unprecedented accuracy limiting subjective bias and follow up diagnostics.



INCREASE PATIENT THROUGHPUT

Evolutionary SKY ENGINE AI platform allows more patients to be examined, clinic overcrowding reduction and overall boost in efficiency of diagnostic procedure.



COST SAVINGS FOR PATIENTS AND CARE PROVIDERS

\$1 Billion cost savings in the US alone have been estimated on the diagnosis and treatment of colorectal polyps when using AI-driven endoscopy.

Advantages of SKY ENGINE AI solutions for Healthcare

MAXIMIZE YOUR INVESTMENT

Optimize ROI through improved productivity with AI-driven automatization, without hidden costs of conventional approach.

TURN DATA INTO KNOWLEDGE

Reveal disease faster and derive insights from multiple data sources with any imagery input data and AI-driven analytics.

USE STATE-OF-THE-ART

Deliver accurate and fastest medical diagnostic procedures and keep high diagnosis confidence.

SOLVE DATA CHALLENGES

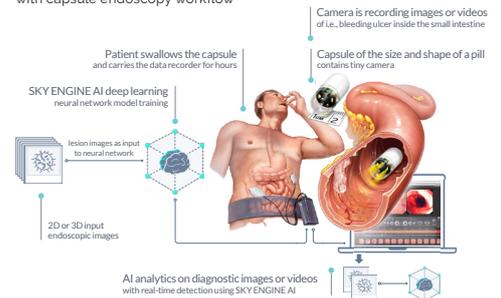
No GDPR issues and less human interaction is required through data processing automatization – Physicians are assisted to perform analysis in real-time.

REDUCE OPEX

Save on follow up diagnostics, reduce miss rates and automate medical procedures with SKY ENGINE AI platform.

AI-driven disease detection

with capsule endoscopy workflow



Why Microsoft Azure?

Be future-ready

Continuous innovation from Microsoft supports your development today, and your product visions for tomorrow. With 1,000+ new capabilities in the past year, you can build on the latest advancements in AI, blockchain, Kubernetes, containers, and databases to keep you ahead of the curve.

Our enterprise grade analytics solution outperforms the competition, costs less, and is fully compatible with your existing development, BI, and data-science tools.

Operate hybrid seamlessly

On-premises, in the cloud, and at the edge—we'll meet you where you are. Integrate and manage your environments with tools and services designed for hybrid cloud.

Enhance security, simplify access, and set smart policies across your different environments with a single-identity platform trusted by 90% of enterprises globally.

Build on your terms

You have choices. With a commitment to open source and support for all languages and frameworks, build and deploy how you want to. Take advantage of the full-featured, integrated development environments with built-in support Visual Studio and Visual Studio Code, the most popular IDEs trusted by 15M+ developers.

We embrace open source, drive innovation through collaboration, and contribute back to the community.

Trust your cloud

Get security from the ground up, backed by a team of experts, and proactive compliance trusted by enterprises, governments, and startups.

With a \$1B+ investment in security R&D and 3,500 cybersecurity experts, security is foundational for Azure.



Microsoft Azure is an ever-expanding set of cloud computing services to help your organization meet its business challenges. With Azure, your business or organization has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks.

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