

Converging Robotics & AI...a new vision of GI diagnostic & therapeutic excellence

# NAVICAM<sup>®</sup> SB System

SMALL BOWEL CAPSULE ENDOSCOPY

...with ProScan<sup>™</sup>  
Intelligent  
Reading  
Support



Pending 510(k), not available for sale within the United States

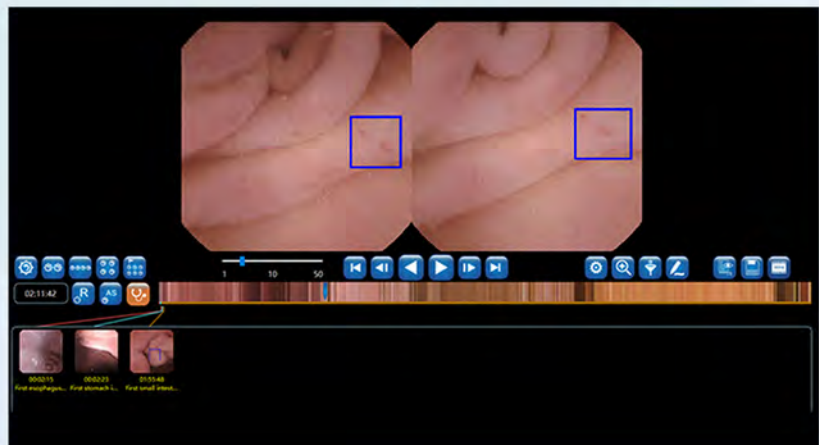
## NaviCam® Small Bowel Capsule Endoscopy System with ProScan™

All small bowel capsule systems are not created equal. Using novel aspherical lens technology, the NaviCam® SB System has an image resolution of 640\*480, frame rate of 0.5 – 12 FPS and an extended battery life of up to 12 hours. But what makes the NaviCam® SB System unique is the ProScan™ Intelligent Reading Support and is the driving reason why AnX Robotica is not just another capsule company.

### NaviCam® Components

#### Small Bowel Capsule

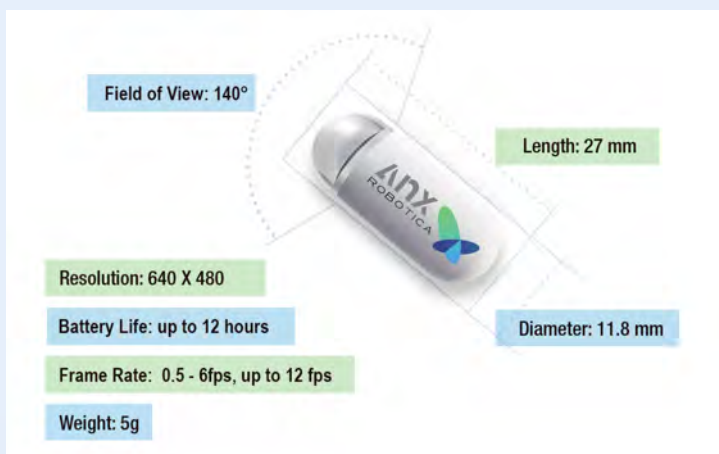
The ingestible capsule is a pill-sized video camera that the patient swallows with water before starting the examination. Inside the capsule, is a tiny camera that has its own light source. It continually captures images of the patient's small bowel.



#### Data Recorder

The Data Recorder is worn over the patient's clothes for the examination. It is used to receive the picture images within the stomach that are captured by the capsule during the examination.

### NaviCam® SB Capsule Specifications



### NaviCam® Benefits

- ProScan™ Intelligent Reading Support
- Single Use
- Easy Operation
- High-Resolution Imaging





## NaviCam® Clinical Evidence

ProScan™ incorporates Deep Neural Networks (DNN), such as a Convolutional Neural Network (CNN), a deep learning algorithm that can differentiate one image from another. This deep learning model enables ProScan™ to assist with the identification of multiple subtypes of abnormal lesions found in the small bowel as well as improving efficiency.

In a landmark study published in Gastroenterology, titled:

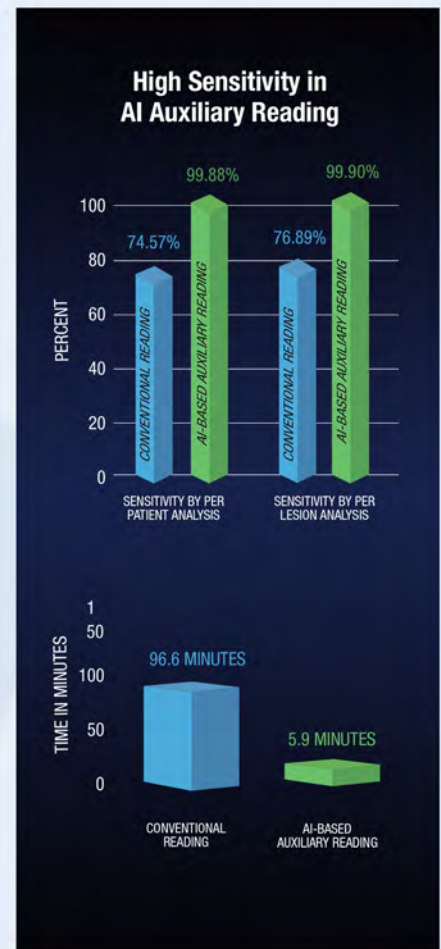
### Gastroenterology-Level Identification of Small-Bowel Diseases and Normal Variants by Capsule Endoscopy Using a Deep Learning Model<sup>1</sup>

ProScan™ was trained to differentiate abnormal from normal images using over 150 thousand images collected from 1,970 patients. This deep learning model based on CNN identified abnormalities with a sensitivity of 99.88% in per-patient analysis and 99.90% in per lesion analysis, when compared to conventional analysis.

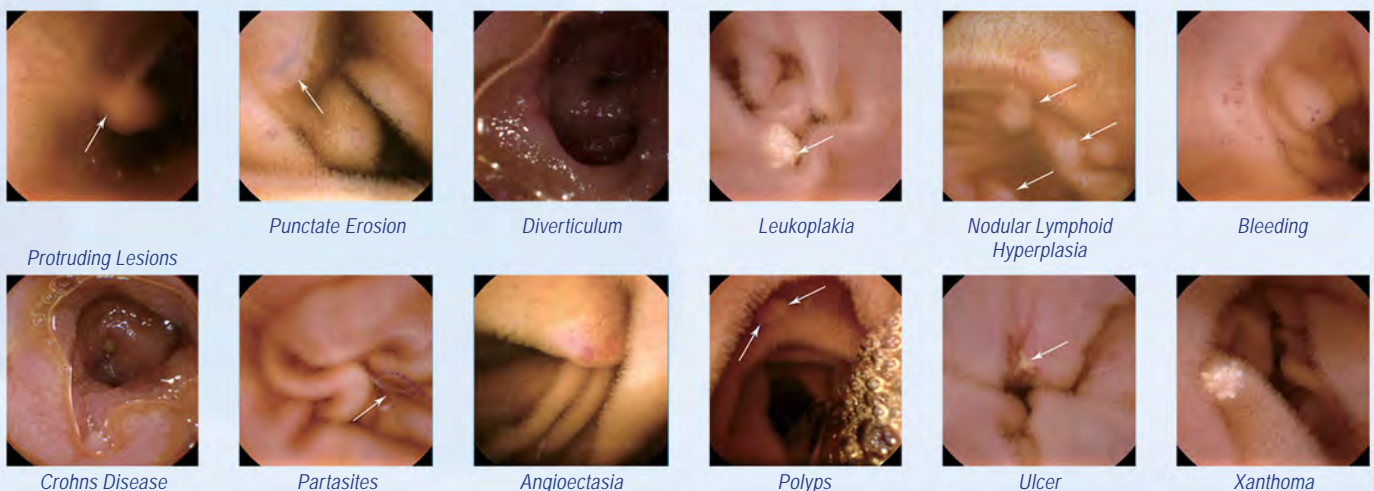
**Aims:** ... To achieve the highest sensitivity to screen out abnormal lesions.

**Data Source:** ... 113,426,569 images from 6,790 patients who had SB-CE at 77 medical centers

Another significant finding in this study showed a dramatically reduced reading time of 5.9 ±2.23 minutes compared to 96.6 ±22.53 minutes. The authors noted that this CNN -based model may be an important advance for SB-CS reading and could significantly reduce the cost of SB-CE reading.



## Intelligent ProScan™ Reading Support



## AnX Robotica Corporation

*Founded in 2019, is an advanced technology medical device company integrating innovative research and development with the mission of providing the medical community with patient-friendly devices for diagnostic and therapeutic applications.*

Headquartered in Plano, Texas, AnX Robotica has developed and commercialized Magnetically Controlled Capsule Endoscopy - a sedation-free, minimally invasive diagnostic test for complete visualization of the stomach with comparable performance to gastroscopy – the gold standard.

AnX Robotica's NaviCam® Stomach System has achieved a medical milestone by enabling the ability to perform a small bowel examination with a non-invasive, patient friendly procedure while giving the physician complete control. By simply swallowing a pill-sized capsule, patients can undergo a thorough examination without

the need for sedation. The technology has been utilized in over a half-million patients worldwide .

With the innovation of the NaviCam® Magnetically Controlled Capsule Endoscopy System, AnX Robotica is working to expand the NaviCam® platform for various additional diagnostic aids and therapeutic applications. In addition to the NaviCam® SB System, AnX Robotica also markets the NaviCam® Colon System in Europe and the NaviCam® Stomach System in the U.S. The company also offers IntraMarX and IntraMarX® 3D, radiopaque markers for colonic transit studies in the US.



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#### NaviCam® Disclaimer

AnX Robotica's NaviCam® software includes optional functionalities and features designed to assist healthcare providers in operating the NaviCam® system.

Providers shall have the sole and exclusive responsibility for operating the NaviCam® software and system and for choosing to use NaviCam®'s optional functionalities and features. Providers shall operate the NaviCam® software and system in compliance with all applicable federal and state legal requirements and the requirements of all applicable professional licensing boards relating to providers' professional medical services. Providers using the NaviCam® software and system are solely responsible for interpreting data resulting from the use of the NaviCam® software and system and for providing medical services and advice to their patients.

AnX Robotica does not provide medical advice or perform medical services. Providers shall operate the NaviCam® software and system, including any optional functionalities and features, in their sole discretion, using their professional judgment. The NaviCam® software and system is not intended in any way to replace Providers' independent medical review and analysis.

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