



Gastrointestinal Endoscope History - Gastrocamera to EVIS X1 -

Takaharu Yamada, Global, GI Endoscopy Business, Olympus Corporation, July 1, 2020

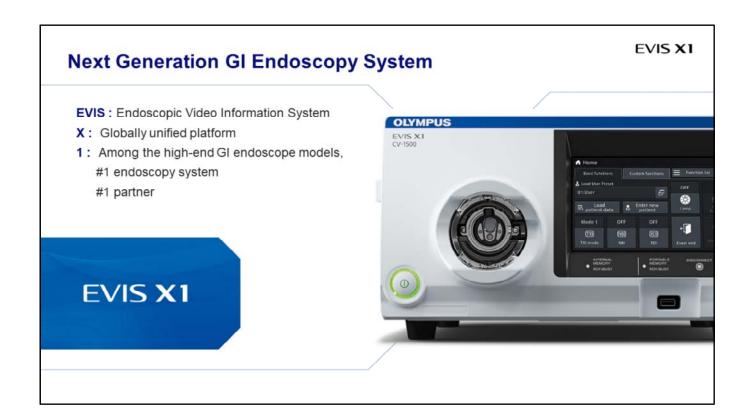
- I'm Takaharu Yamada of GI Endoscopy Business, Global.
- I'd like to start off with the history of EVIS X1.
- Let's look back on the history.

Disclaimer EVIS XI

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- About the brand name, EVIS X1.
- EVIS stands for "endoscopic video information system."
- It was the name given to Olympus' first video endoscope in 1985, and it has been used ever since then.
- "X" refers to a globally unified platform and "1" refers to the Number 1 endoscopy system, representing our hope to continue to be the Number 1 partner.



- The widely known gastrocamera was put into practical use in 1950, and this year marks its 70-year anniversary.
- Back then, photos were taken in the dark of the stomach and then developed and examined later.
- It was in 1964 that the sales of fiberscopes started.
- This allowed lumens such as the stomach or colon to be watched in real time.
- However, it was basically only possible for one physician to watch them in real time, and based on what I heard from doctors who used it, the procedures were very complicated.
- To respond to such feedback and meet the expectations of many endoscopists, we completed the new video endoscopy system in 1985.



- It was a revolutionary system that allowed everyone to examine images in real time.
- We named it "EVIS-1" and promoted its introduction worldwide.
- And through the introduction, we learned that preferences, or preferred points, of video endoscope images differ among physicians in different countries.



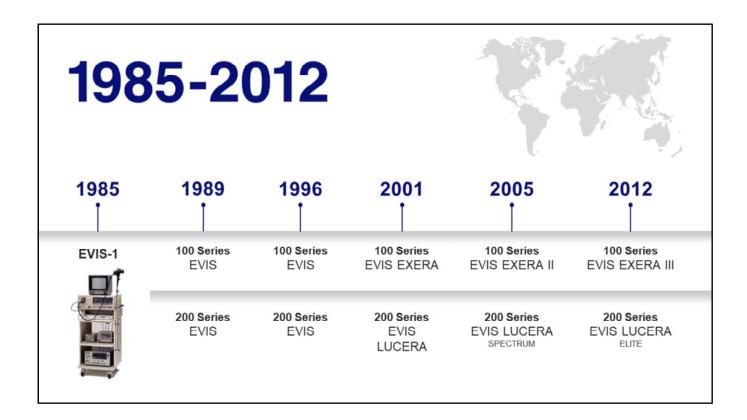
Different preferences among endoscopists in different countries

Through the introduction of EVIS-1, our first production model, we found that the needs of endoscopists differ by country.

- Excellent real-time images, smooth and natural movements to be reproduced
 - Excellent image reproducibility, high-quality still images

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- There were
 - needs that prioritized real-time images, smooth and natural movements to be reproduced and
 - needs that prioritized image reproducibility, high-quality still images.
- With technologies available at the time, it was not possible for a single product to meet these two needs, so Olympus' management decided to try to do so with two systems.



- In 1989, the EVIS 100 and 200 series were born to meet such needs in different countries.
- And these two brands continue to be the driving force behind global endoscopy services.
- This video endoscopy system has a history of about 35 years.

EVIS X1

History of Video Endoscopy Systems

The scope of endoscopy treatment expanded along with the evolution from fiberscope to video endoscope.

1985

EVIS-1

Olympus' first video endoscopy system*

* The video endoscope used a CCD to convert images into electrical signals transmitted to the monitor. This allowed for examination while looking at the monitor.

1989

EVIS-100/130 series EVIS-200/230 series

Introduction of 100/200 series with different image sensors to meet local needs

100 series: Simultaneous method Excellent real-time images, smooth and natural movements to be reproduced

200 series: Sequential-frame method Excellent image reproducibility, high-quality still images

1996

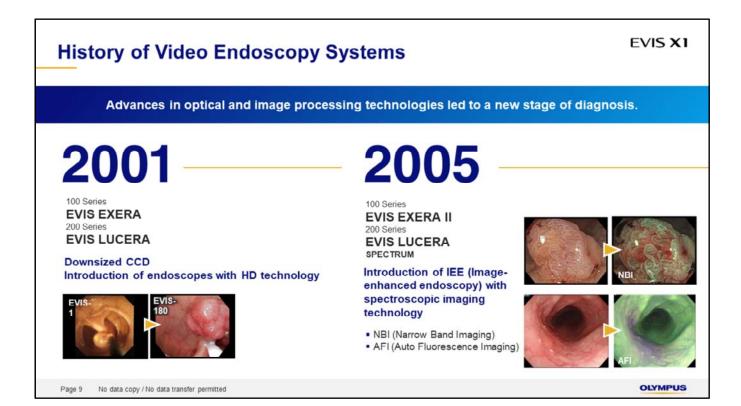
EVIS-140 series EVIS-240 series

Improved basic endoscopic performance, including image quality and insertability

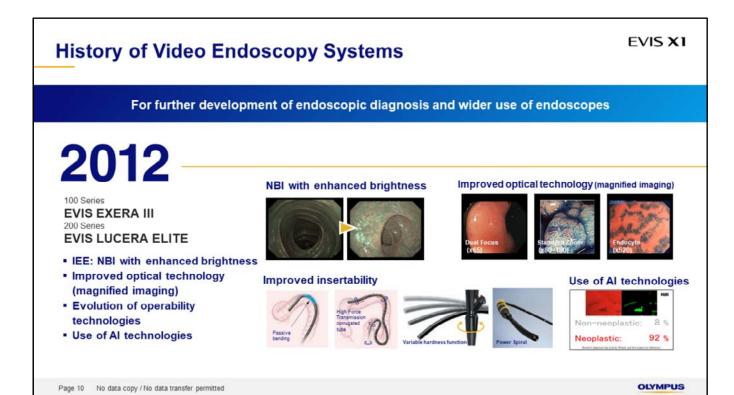
- Image quality
- Optical performance
- Smaller diameter
- Improved insertability
 New insertion section
 Variable hardness function
 Scope guide
- Improved reprocessability

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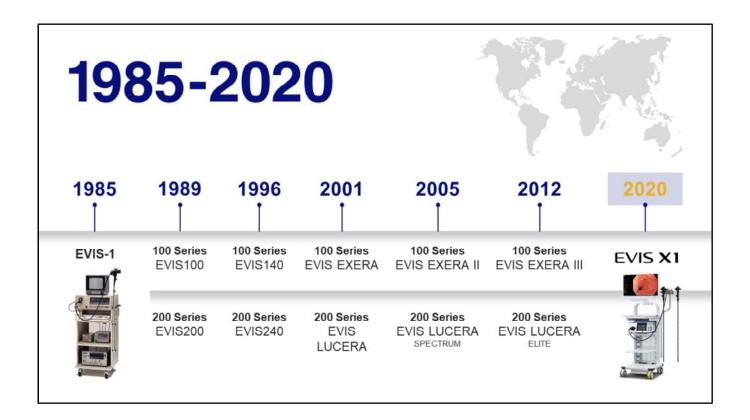
- Page 8 No data copy / No data transfer permitted
- Looking back at the decade after its introduction in 1985, we can see that endoscopy
 medical services have evolved from fiberscope to video endoscope. It was an era we
 expanded greatly from endoscopic screening to endoscopic therapy.
- Future generations improved not only image quality but also insertability and other aspects of basic performance.



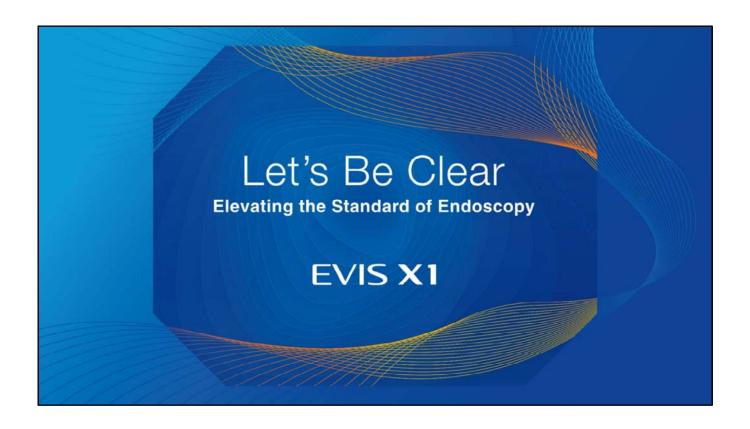
- In the 2000s, endoscope technology reached a turning point.
- We saw advances in CCD technology, the introduction of HD endoscopes, and technology that makes full use of spectroscopic imaging, which is one of Olympus' strengths.



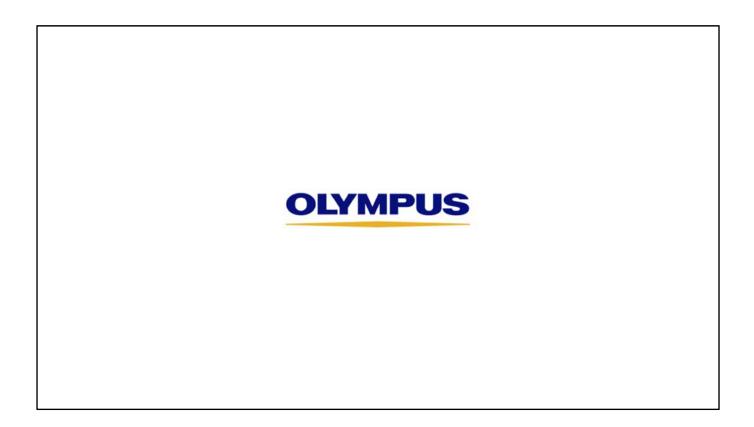
 From 2012 to the present, video endoscopes have seen further advances in optical technology and operability technology, and recently we have started to provide a diagnostic support service technology, called computer-aided diagnosis or CAD, using AI technology in cooperation with partner companies.



• In this way, Olympus' EVIS series has continued to evolve. In 2020, 35 years into its history, we have finally decided to introduce EVIS X1, an globally unified platform.



- The key message for EVIS X1 is "Let's be clear Elevating the Standard of Endoscopy."
- EVIS X1 is made up of various new technologies that embody this key message.



- I have covered the history prior to EVIS X1.
- We hope that this has given you some idea of how we have been able to maintain a high market share.
- Thank you for your patience.
- Now my colleague Kura, who led the development of EVIS X1 for many years, will introduce the latest technologies.