

WISE VISION® Endoscopy Cx20

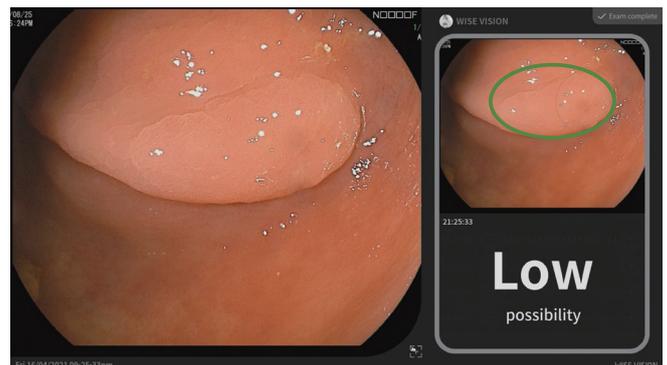
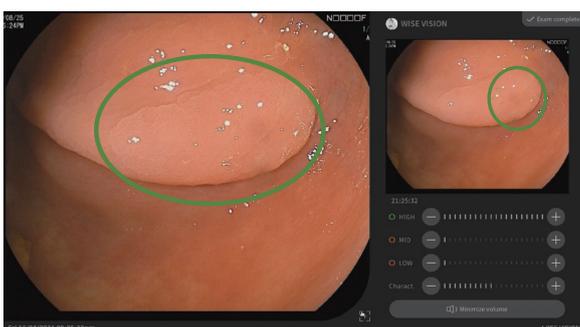
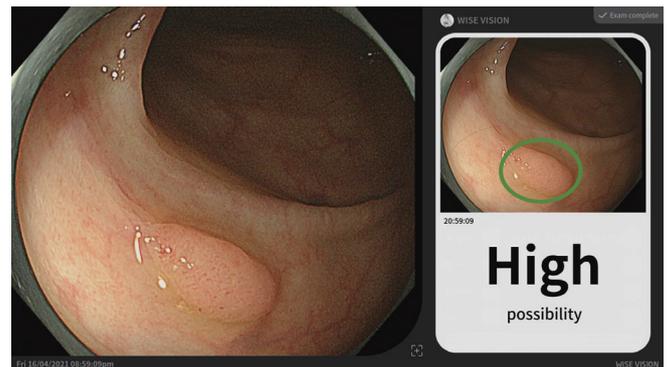
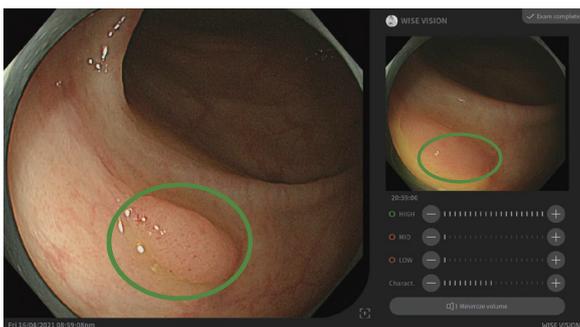
Clinical unmet needs in characterizing colorectal lesions

The pathway to development of cancer from adenomas is well recognised through the adenoma-carcinoma sequence which takes place over years and involves a series of mutations in pro oncogenes and tumour suppressor genes. 1 Detection and subsequent removal of adenomas through polypectomy has been shown to be very effective at reducing the risk of colorectal cancer 2-4.

However, not all polyps bear malignant potential. Distal hyperplastic polyps harbour no malignant potential and therefore if recognised accurately, can safely be left in situ. This practice, known as 'diagnose and leave', can have significant cost savings and reduces the risk of unnecessary polypectomy.

Supports lesion characterization during examination

WISE VISION® Endoscopy characterize and show high/low possibility of neoplasia when users take a still image with users' endoscopes. Notification sound, volume and colors can be freely customized at any time. The high-visualization user interface enables intuitive operation to ensure a stress-free examination procedure.

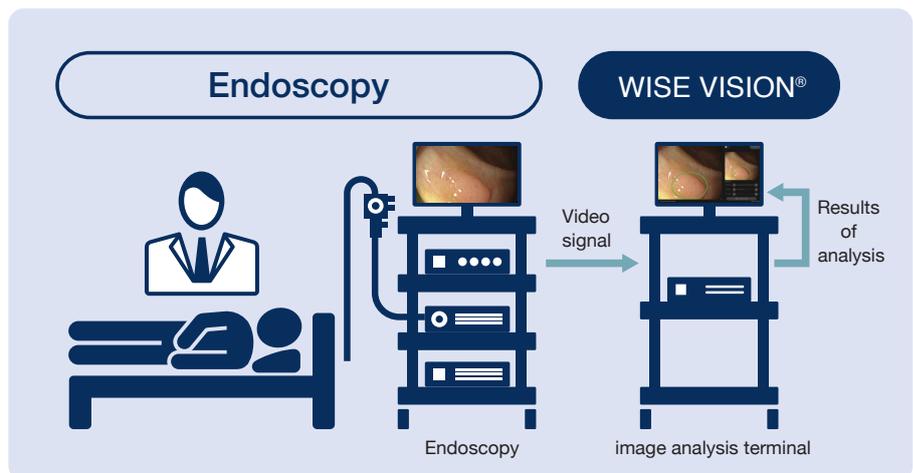


Connectable to the major endoscopies*

WISE VISION® Endoscopy can be connected to multi vendor*. Once the examination completes, simply disconnect the SDI cable. AI-supported colonoscopies can be performed in any endoscopy room in the hospital.

*Endoscope equipment used in combination with this application.

- OLYMPUS EVIS LUCERA ELITE Video System Center CV-290
- FUJIFILM ELUXEO video processor VP-7000



Specifications

• Image Analysis Terminal

CPU	Intel Xeon W-2125
Memory	64 GB or more
Storage	512 GB or more on SSD
Graphic board	NVIDIA Quadro RTX5000 (2)
Capture board	Blackmagic Design DeckLink Mini Recorder (SDI input terminal)
Optical drive	DVD drive capable of reading DVD-R (Single/Dual layer)
Standard compatibility	Compatible with IEC 60950 or IEC 62368-1

• Monitor

Resolution	1920 × 1080
Color reproduction	Color display
Standard compatibility	Compatible with IEC 60950 or IEC 62368-1

• Speaker

Specifications	Any voice output device
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• Cable connecting the Image Analysis Terminal and Monitor

Specifications	Display Port cable
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• Cable connecting the Endoscopic Examination Device and Image Analysis Terminal

Specifications	HD-SDI or 3G-SDI cable
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The arrival of next-generation technology

WISE VISION®

1. Hill MJ, Morson BC, Bussey HJR. AETIOLOGY OF ADENOMA-CARCINOMA SEQUENCE IN LARGE BOWEL. Lancet. 1978;311(8058):245-7.
2. Winawer SJ, Zauber AG, Ho MN, O' Brien MJ, Gottlieb LS, Sternberg SS, et al. Prevention of Colorectal Cancer by Colonoscopic Polypectomy. N Engl J Med [Internet]. 1993;329(27):1977-81.
3. Kaminski MF, Regula J, Kraszewska E, Polkowski M, Wojciechowska U, Didkowska J, et al. Quality Indicators for Colonoscopy and the Risk of Interval Cancer. N Engl J Med [Internet]. 2010;362(19):1795-803.
4. Kaminski MF, Wieszczy P, Rupinski M, Wojciechowska U, Didkowska J, Kraszewska E, et al. Increased Rate of Adenoma Detection Associates With Reduced Risk of Colorectal Cancer and Death. Gastroenterology [Internet]. 2017 Sep 9;153(1):98-105.

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Product name: WISE VISION Endoscopy

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