

WISE VISION® Endoscopy Ce20

Clinical unmet needs in Colonoscopy

While it is important not to miss lesions during colonoscopy, it is reported that 24% of lesions are overlooked due to factors such as “lesions where they are located at difficult to spot with human eyes,” “the proficiency and experience of the endoscopist,” and “reduced concentrations of the endoscopist when performing multiple procedures one after the other”^{*1}. Moreover, other reports relate the later occurrence of colorectal cancer in 6% of patients who have undergone a colonoscopy, 58% of which are due to lesions being overlooked.^{*2}

* 1 : Rex DK, Cutler CS, Lemmel GT, et al. Colonoscopic miss rates of adenomas determined by back-to-back colonoscopies. *Gastroenterology*. 1997; 112(1): 24-28.

* 2 : Samadder NJ, Curtin K, Tuohy TM, et al. Characteristics of missed or interval colorectal cancer and patient survival : a population-based study. *Gastroenterology*. 2014;146(4): 950-960.

Supports lesion detection by notifying at candidate lesion sites during examination

WISE VISION® Endoscopy marks potential lesions and notifies by sound. Notification sound, volume and marker colors can be freely customized at any time. The high-visualization user interface enables intuitive operation to ensure a stress-free examination procedure.

1 Image Analysis Field

Video signals from the endoscope are analyzed and displayed.

2 Analysis History

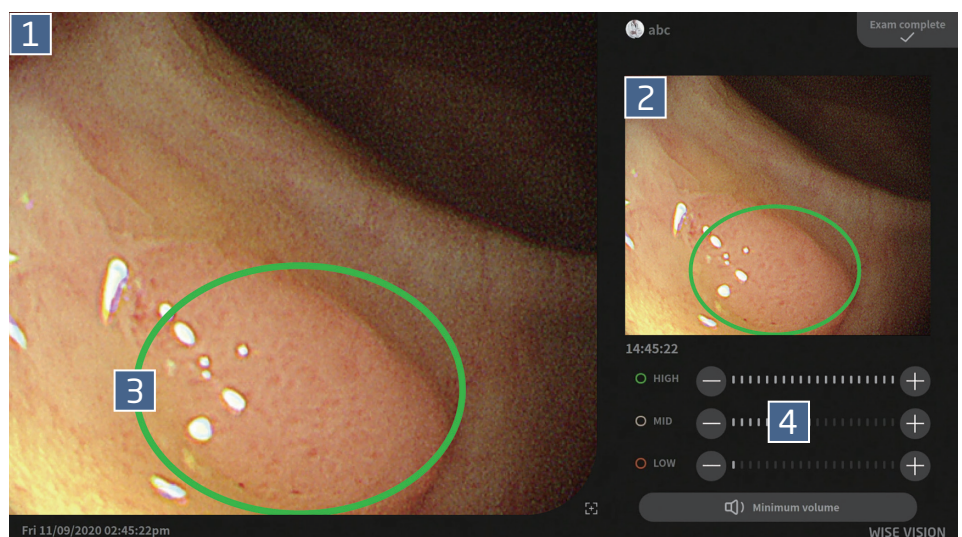
Results of analysis and marking times are displayed as a history.

3 Candidate Lesion Position Mark

The positions of candidate lesions are marked with a circle on the video image displayed in the image analysis field.

4 Volume Adjustment Field

The volume can be adjusted based on users' preference.

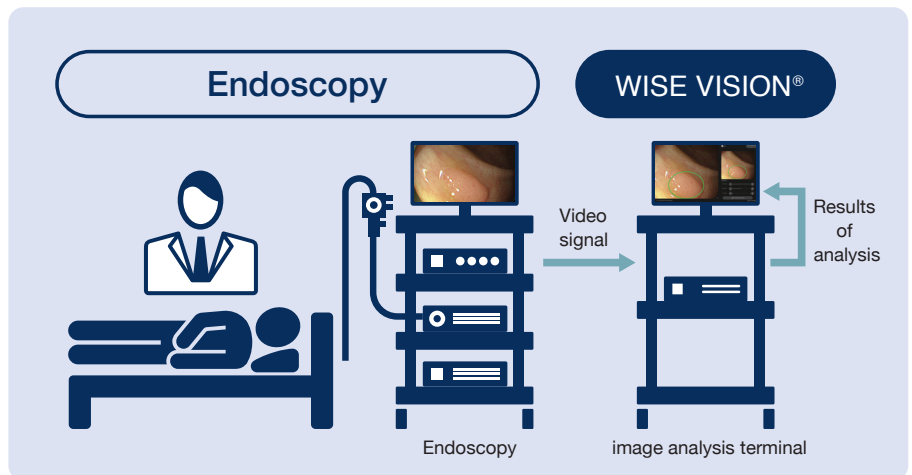


Connectable to the major endoscopies*

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
- PENTAX Medical OPTIVISTA EPK-i7010 video processor
- PENTAX Medical OPTIVISTA EPK-i7000 video processor



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®

Contact

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Product name: WISE VISION Endoscopy

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