

CYSTOSCOPY IMAGING PLATFORM CV-170

HD-NBI for improved bladder cancer follow-up.



HD-NBI VIDEO CYSTOSCOPY: SETTING A NEW STANDARD IN BLADDER CANCER FOLLOW-UP

HD image quality at a reasonable cost – for advanced outpatient bladder cancer follow-up

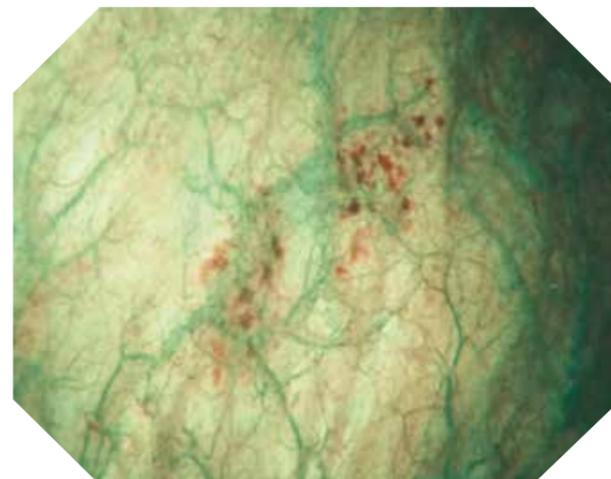
- High-resolution HDTV images deliver sharp and clear details, boosting observation capabilities when viewing mucosal structures and other vessel patterns.
- The system's improved imaging capabilities with minimal halation and image noise support diagnosis efficiently.
- This superior performance will expand the potential of endoscopy to a new level.

HDTV and NBI – the ideal combination for bladder cancer follow-up

- Narrow Band Imaging (NBI) is an optical enhancement technology that improves the visibility of vessels and other tissue on the mucosal surface by filtering light wavelengths.
- HD-NBI - Olympus' unique filter technique potentially improves the detection rate of carcinoma *in situ*.



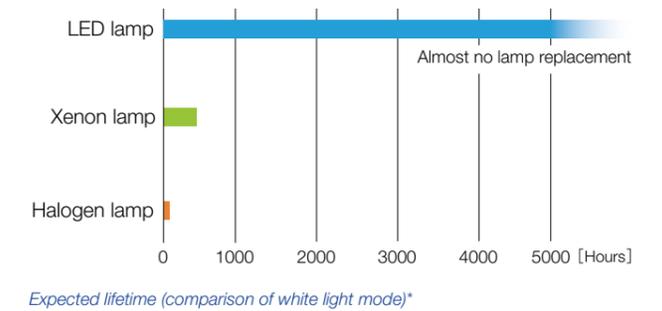
Excellent view of mucosal and vessel structures even with white light.



NBI filters the white light and improves contrast of mucosal and vessel structures.

Compact design with LED technology

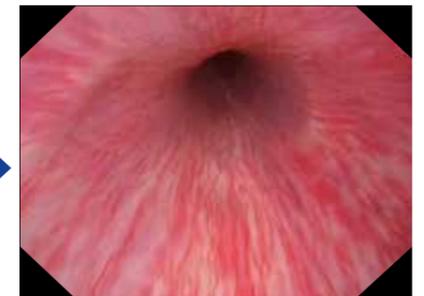
- The CV-170's all-in-one design condenses its performance into a compact and convenient size.
- The newly adopted long-life LED lamp minimises lamp replacement, and as a result, maintenance is much easier. It generates virtually no heat, ensuring long hours of operation while reducing energy and noise.



Fibre cystoscope



SD video cystoscope



HD video cystoscope

Evolution in cystoscopy

Olympus is a pioneer in the development of flexible endoscopic instrumentation for the examination of the urinary tract. Coming from fibrescope cystoscopy with a small image with low resolution and brightness (picture 1), technological advances led to chip-on-the-tip cystoscopes (picture 2) that now achieved its excellence in HD flexible cystoscopy providing a 20% brighter image as compared to the first series of chip-on-the-tip cystoscopy.

* Source: Olympus R&D test result according to quality standard

Compatible with existing scopes

· Your current Olympus fiberscopes are compatible with the CV-170 by connecting the camera head. This economical benefit will result in cost savings and greater usability with NBI.



Fibre cystoscope CYF-5

Picture recording on portable memory

· Clinical pictures of suspicious tissue can be easily recorded and stored on the portable memory drive MAJ-1925.



Picture recording on portable USB memory

Specifications and technical data

Power supply	Voltage	100-240 V AC (NTSC)/220-240 V AC (PAL): within $\pm 10\%$
	Frequency	50/60 Hz: within ± 1 Hz
	Rated input	200 VA
Size	Dimensions	295 x 145 x 425 mm
	Weight	11 kg
Observation	Examination lamp	LED lamp
	Analog HDTV signal output	Either RGB or YPbPr output can be selected.
	Analog SDTV signal output	VBS composite, Y/C and RGB. Simultaneous outputs possible.
	Digital signal output	HD-SDI, SD-SDI and DVI can be selected.

Article number	Description
E0497605	CV-170 + CYF-VH
E0497604	CV-170 + CYF-VHA
E0497603	CV-170 + CYF-VHR
E0497602	CV-170 + CYF-V2
E0497601	CV-170 + CYF-VA2

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.