

OLYMPUS

Your Vision, Our Future

CYSTO-NEPHRO VIDEOSCOPE

CYF-VH/VHA/VHR

The World's First HDTV Flexible Cysto-Nephro Videoscope



The world's first High-Definition flexible cysto-nephroscope takes endoscopic imaging to the next level.

High-Definition (HDTV)

The ground-breaking CYF-VH is the first flexible cysto-nephroscope to provide a High-Definition image.

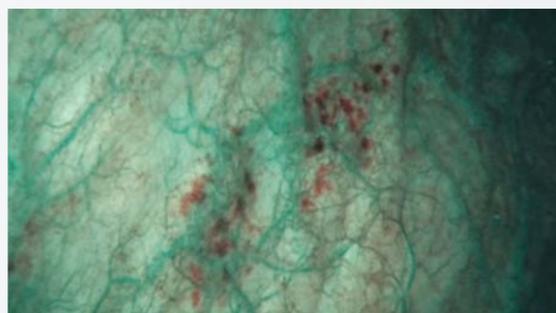


NBI (Narrow Band Imaging)

NBI with the CYF-VH/VHA/VHR is 20% brighter (compared to the previous model CYF-V2) providing enhanced visualization of capillary networks and mucosal morphology.

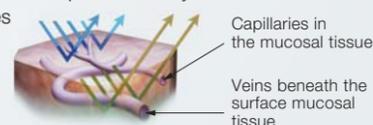


White Light



NBI

NBI is an optical image enhancement technology that enhances the visibility of vessels and other tissue on the mucosal surface. NBI works by filtering the white light into specific light wavelengths, which are absorbed by hemoglobin and penetrate only the surface of human tissue. This provides improved visual contrast of the surface structures and fine capillary patterns of mucous membranes, which are normally difficult to distinguish.



New design focuses on patient comfort

New Evolutionitip

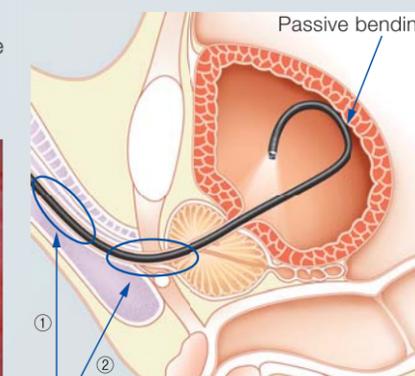
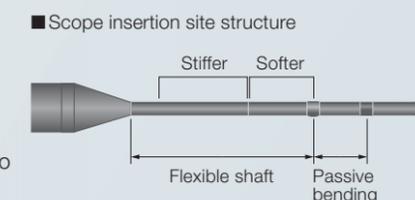
A newly redesigned Evolutionitip which incorporates even smoother edges and focuses on patient comfort. This tip also provides an increased light output of 150% (compared to the CYF-V2).



Variable stiffness shaft

To minimize patient discomfort, the CYF-VH varies in stiffness along the shaft of the endoscope.

- Proximally the shaft is stiffer than the CYF-V2 to maintain control in the urethra.
- Mid/distally the shaft is more flexible to minimize pressure and discomfort on sensitive anatomy. The Olympus passive bending section allows the scope to bend even farther and minimizes damage to the scope.



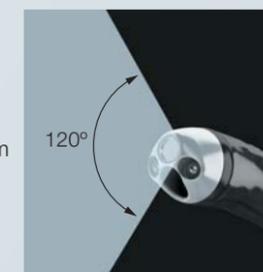
Two levels of flexibility

Improved bending

The CYF-VH bending section bends 10° more with its 220° up and 130° down deflection to help doctors observe all areas of the bladder with ease.

Large field of view

The wide 120° field of view provides a panoramic field of view of the entire bladder from the bladder neck.



OLYMPUS CYF-VH OLYMPUS CYF-VHA OLYMPUS CYF-VHR

Specifications

Optical System	Filed of view	120°
	Direction of view	Forward viewing
	Depth of field	3-50 mm
Insertion Tube	Distal end outer diameter	8.1 Fr (2.7 mm)
	Insertion tube outer diameter	16.5 Fr (5.5 mm)
	Working length	380 mm
Instrument Channel	Inner channel diameter	6.6 Fr (2.2 mm)
Bending Section	Angulation range	Up 220°/Down 130°
Total Length		660 mm

Standard Set	CYSTO-NEPHRO VIDEOSCOPE	CYF-VH/VHA/VHR1
	Irrigation/Forceps Plug (Isolation Type)	MAJ-8911
	Semi-Disposable Biopsy Valve	MAJ-57910
	Suction Valve (CYF-VHA only)	MAJ-20710
	Suction Cleaning Valve (CYF-VHA only)	MAJ-10771
	Channel-Opening Cleaning Brush	MH-5071
	Channel Cleaning Brush	BW-15B1
	Sterilization Cap	MAJ-15381



CYF-VH Flexible Cysto-Nephro-Videoscope
 CYF-VHA Flexible Cysto-Nephro-Videoscope with suction valve
 CYF-VHR Flexible Cysto-Nephro-Videoscope with reverse angulation

EndoTherapy Accessories

				Accessory entrance into endoscopic image
Hot Biopsy Forceps FD-7C-1	Rotatable Biopsy Forceps FB-19CR-1	Biopsy Forceps FB-19SX-1	Biopsy Forceps FB-15C-1	
Coagulation Electrode CD-6C-1	Grasping Forceps FG-38SX-1	Grasping Forceps FG-53SX-1	Electrosurgical Snare SD-7C-1/SD-18C-1	Grasping Forceps FG-24SX-1

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