

# OLYMPUS®

Your Vision, Our Future

URETERO-RENO VIDEOSCOPE

## URF-V

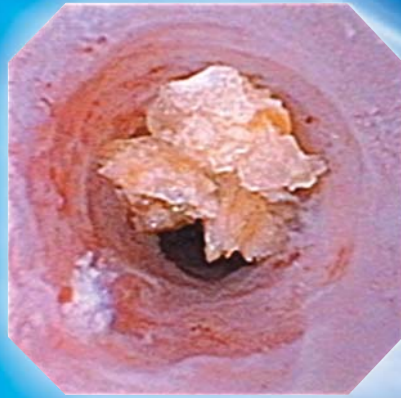
See what you have never seen before.



# Optimized Optical Performance for Clear Visualization.

## CCD "EYE inside" technology

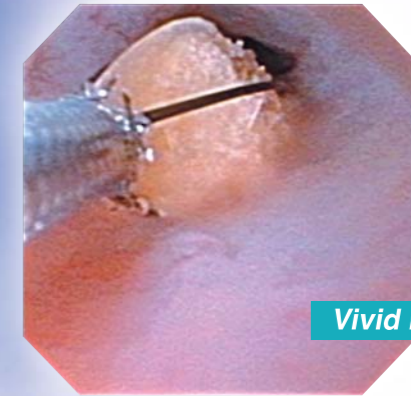
The CCD imaging sensor in the distal end provides a moiré-free, bright image with high color reproduction without the need for a camera head attachment. The use of the integrated distally located CCD imaging sensor eliminates the need to focus.



## CCD Chip-on-the-tip technology

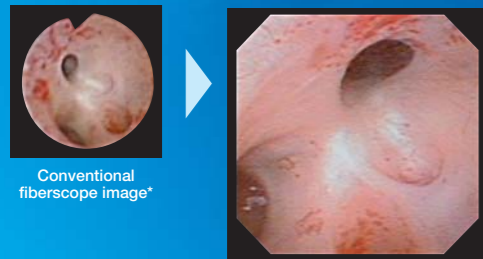


Treat with precision



Vivid imaging

## Largest image size



## Largest image size

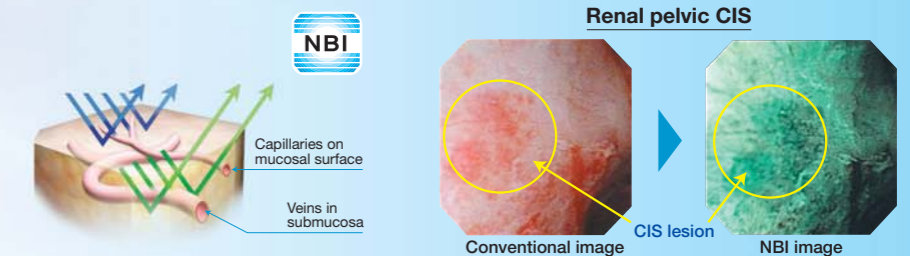
Olympus ureteroscopes boast the largest image size\*\* currently available. The URF-V's image is about three times larger than that of our conventional fiberscope, making the most of its high-resolution image quality and enhancing observation.

\* The OES uretero-reno fiberscope URF-P5 connected with the camera head OTV-S7H-1D-L08E.  
\*\*As of November, 2008.

## NBI The Morphology Appears Before Your Eyes With NBI.

### Narrow Band Imaging

NBI helps in the observation of mucosal morphology; NBI works by altering the white light source to consist of specific wavelength bands, which take advantage of the scattering and absorption properties of human tissue. This provides improved visual contrast of the surface structure and fine capillary patterns of the mucosal membranes, which are normally difficult to distinguish. NBI takes advantage of the characteristics of the light that penetrates the mucosa by depicting capillaries in the superficial layer of the mucosa more clearly than with conventional white light.

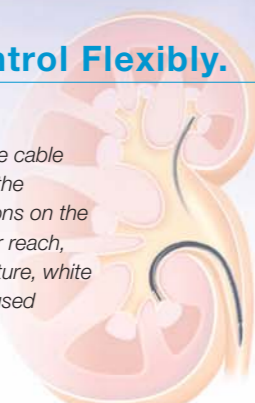


\*Available in combination with EVIS EXERA II System (CV-180 + CLV-180)

## Access Freely, Control Flexibly.

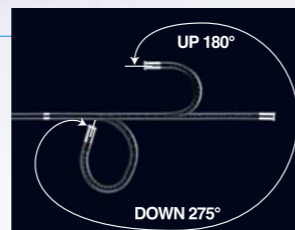
### Ergonomic Design

The integrated camera and light guide cable assures easy scope handling during the procedure. Four programmable buttons on the control section are always within your reach, providing quick access to image capture, white balance, zoom and other frequently used functions.



### UP 180° /DOWN 275°

The 275° down angulation enables optimal visualization in the lower calyx, while the 180° up angulation (with a small radius) is ideal for accessing the upper/middle calyces.



### Smooth Handling

A new insertion tube rotation function enables fine adjustment of the laser tip position when aiming at the stone, while also allowing a relaxed working position.

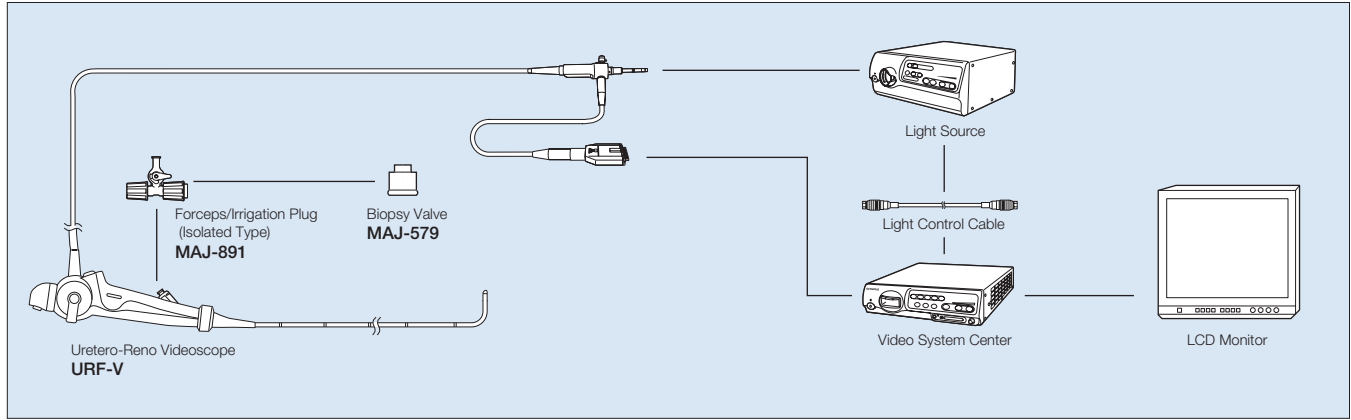


### Durability & Maintenance

Leakage testing allows punctures to be detected early and helps to ensure a longer service life for the scope.



**System Chart**



**URF-V Specifications**

Optical System	Field of View	90°
	Direction of View	Forward Viewing
	Depth of Field	2 - 50 mm
Insertion Tube	Distal End Outer Diameter	8.5 Fr
	Insertion Tube Outer Diameter	9.9 Fr (3.3 mm)
	Working Length	670 mm
Instrument Channel	Inner Channel Diameter	3.6 Fr (1.2 mm)
Bending Section	Angulation Range	Up 180°/Down 275°
Total Length		980 mm

**URF-V Standard Set**

- Uretero-Reno Videoscope OLYMPUS URF TYPE V ..... 1
- MAJ-579 Biopsy Valve ..... 10
- MAJ-891 Forceps/Irrigation Plug (Isolated Type) ..... 1
- MB-156 ETO Cap ..... 1
- MH-507 Channel-Opening Cleaning Brush ..... 1
- BW-15SH Suction Connector Cleaning Brush ..... 1
- BW-7B Channel Cleaning Brush ..... 1

**Accessories**

<p>Disposable grasping forceps (Basket type) <b>FG-51D/52D/55D</b></p>	<p>Disposable grasping forceps (Three nail type) <b>FG-54D</b></p>	<p>Instrument tray <b>WA05991A</b></p>
<p>Disposable grasping forceps (Loop type) <b>FG-36D</b></p>	<p>Biopsy forceps <b>FB-56D-1</b></p>	

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



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For a complete listing of sales and distribution locations visit [www.olympus.com](http://www.olympus.com)