"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.

Smooth Handling

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.

Access Freely, Control Flexibly.

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.

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.

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 mucous membranes, which are normally difficult to distinguish. NBI takes advantages 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.

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 mucous membranes, which are normally difficult to distinguish. NBI takes advantages 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.

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 270°

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

Disposable grasping forceps (Basket type)
FG-51D/52D/55D

Disposable grasping forceps (Loop type)
FG-36D

Disposable grasping forceps (Three nail type)
FG-54D

Biopsy forceps
FB-56D-1

Instrument tray
WA05991A

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