

Your Vision, Our Future

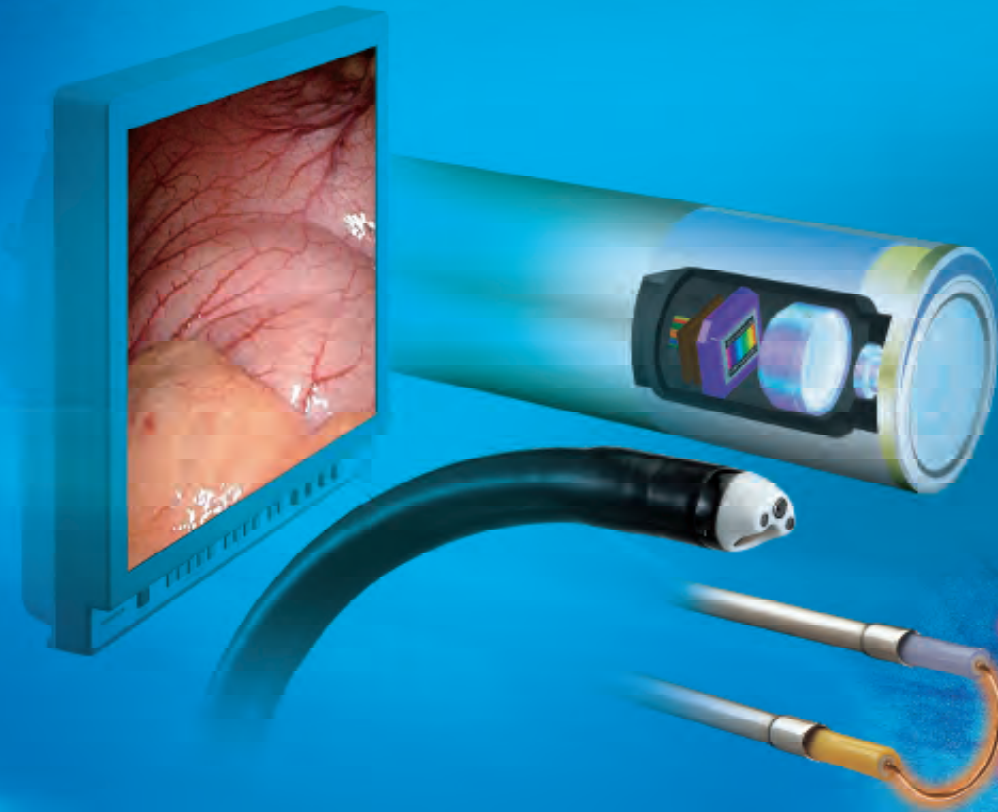
Kidney

EVIS EXERA II

Universal Platform

Ureter

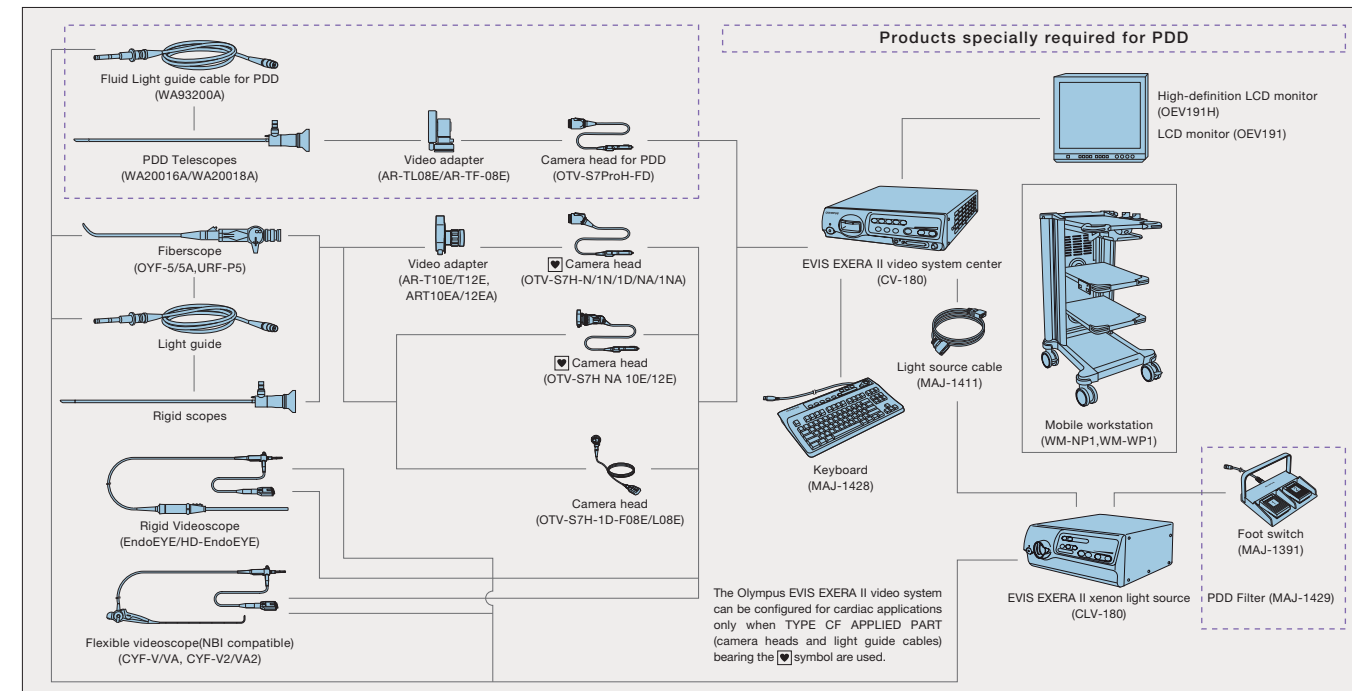
Bladder



EVIS EXERA II provides a versatile platform that offers a basis for execution of advanced techniques in urology

With a platform versatile enough to support all of today's cutting-edge techniques in urology, EVIS EXERA II offers you unprecedented efficiency with capabilities that range from simple observation to highly sophisticated visualization. High-definition imaging and new image enhancement technologies enable you to confidently perform complex, intricate procedures in urology.

System Chart



Products



Telescope / CameraHead for PDD
Unique filter-incorporated design specifically made to maximize the performance of PDD observation



HD EndoEYE Videolaparoscope
HDTV-compatible video chip delivers super-high-resolution high-definition images



CYF-V2/VA2 Cysto-Nephro Videoscope
Exceptionally smooth insertion with new tip



OES Pro Resectoscope System
Well-balanced, lightweight, versatile resectoscope system with outstanding operability



OES Pro Long Resectoscope System
Longer working distance to handle a wider range of transurethral resection requirements



Compact & Lightweight Camera Heads for TUR and Rigid Cystoscopy
Compact, lightweight 45-gram design with improved maneuverability helps reduce stress during long procedures.

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



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A New Idea in Imaging Technology for Urological Procedures

With an expansive range of endoscopic capabilities for observation, diagnosis, treatment, and surgery in urology, EVIS EXERA II supports urological procedures while improving patients' quality of life.

Observation Diagnosis Treatment Surgery

EVIS EXERA II



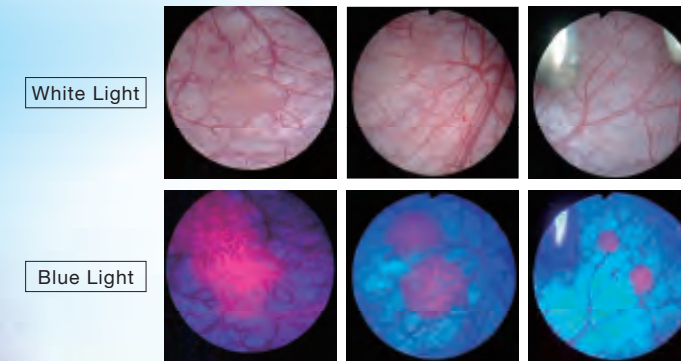
From advanced image enhancement technologies to superior insertability and high-definition imaging, EVIS EXERA II offers a precise solution for every requirement in urology

PDD

PDD compatibility ensures more reliable observation of the bladder



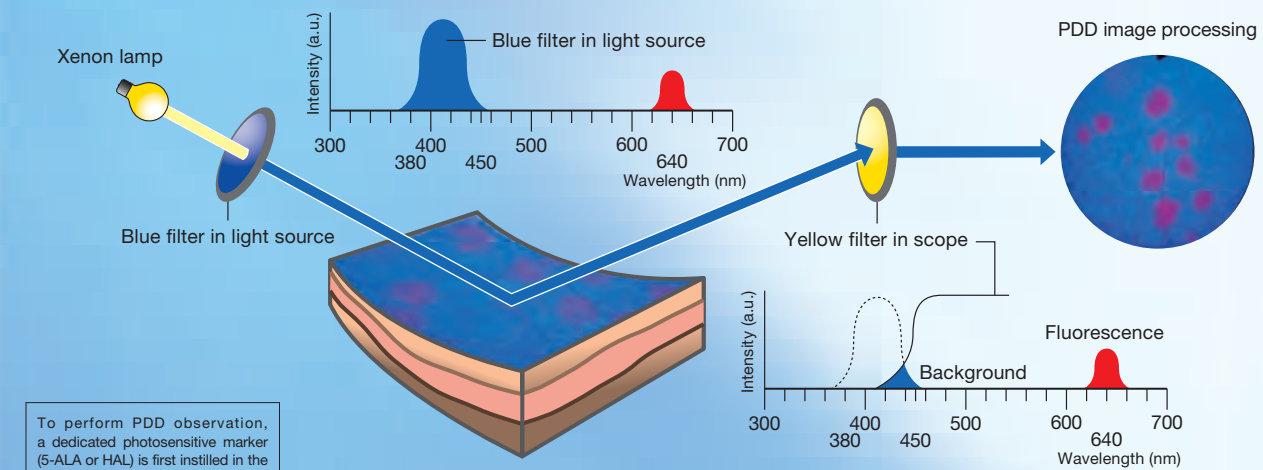
EVIS EXERA II is equipped with a PDD (photodynamic diagnosis) function to enhance visualization of the bladder. When a special drug is administered to the patient and the dedicated scope is used, the PDD function produces heightened contrast between the fluorescent neoplastic areas and the surrounding benign tissue for easy and effective visualization.



How PDD Works

When a photosensitive marker* has been introduced transurethraly into the bladder, the inner surface of the bladder absorbs the drug over a period of 90–120 minutes and converts it into an endogenous pigment called protoporphyrin IX. This pigment is then selectively deposited in a tumor and, under blue excitation light, will emit red fluorescence. Nevertheless, in this condition, good contrast of the red fluorescence against the blue background cannot be obtained because the red fluorescence is too weak as compared with the blue light. To emphasize this fluorescence, a yellow filter exclusively designed for PDD is built in the scope. As a result, the red fluorescence can be observed with good contrast.

* Two types are available: 5-aminolevulinic acid (5-ALA) and hexyl-aminolevulinatate (HAL).



To perform PDD observation, a dedicated photosensitive marker (5-ALA or HAL) is first instilled in the bladder. About 90 to 120 minutes later, the endoscopic examination is started.

For video observation, the special camerahead equipped with CCD with compensation filter that emphasize red light to increase contrast and sharpness in PDD images is required.

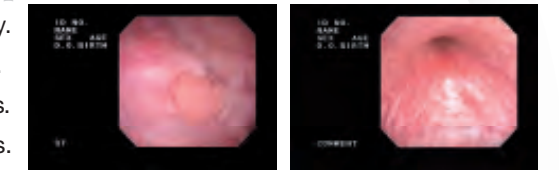
For 5-ALA and HAL availability, please inquire at the following distributors •Photocure ASA : <http://www.photocure.com/> •Medac GmbH : <http://www.medac.de/>

Flexible Videoscope

Superior videoscope image quality and smooth insertion into the urethra with the CYF-V2/VA2

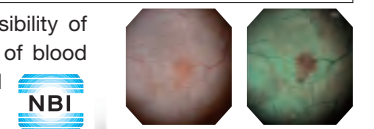


- High-resolution CCD chip integrated into the tip produces superior image quality.
- The unique Evolutiontip design significantly improves cystoscope insertion.
- Electrosurgical instrument compatibility provides enhanced treatment options.
- NBI observation with enhanced visibility of vessels and tissue structures.
- Four ergonomically positioned programmable switches simplify video imaging management.



What is NBI?

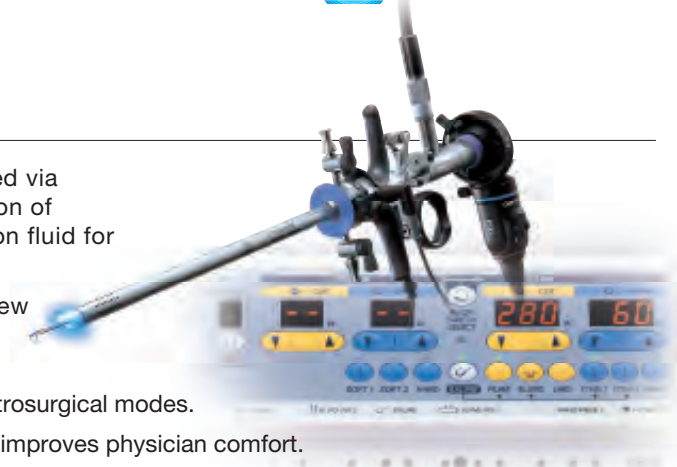
NBI, Narrow Band Imaging, is an optical image enhancement technology that enhances the visibility of vessels and other structures on the mucosal surface. The bladder surface is mainly composed of blood vessels and mucosa. Narrow-band illumination, which is strongly absorbed by hemoglobin and penetrates only the surface of tissues, is ideal for enhancing the contrast between the two.



TURis

TURis improves safety in transurethral resection

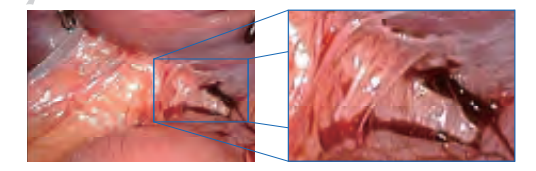
- With the TURis resectoscope, electric current is returned via a working element instead of a patient plate for reduction of obturator nerve reflection, and saline is used as irrigation fluid for less risk of hyponatremia.
- Combining TURis with PDD can be expected to open new possibilities for treatment of the bladder.
- The SurgMaster UES-40 is extremely versatile: It provides monopolar, bipolar, and resection in saline electrosurgical modes.
- OES Pro design optimizes resectoscope performance and improves physician comfort.



HDTV Laparoscopy

HD EndoEYE with picture-perfect imaging performance

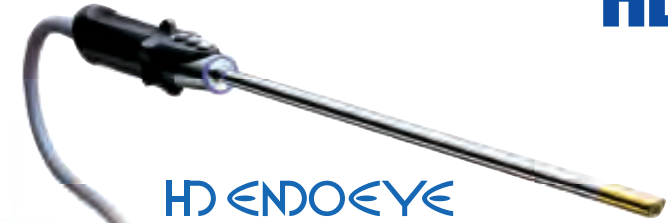
- Super-high-resolution HDTV images with high-fidelity reproduction.
- All-in-one design with minimum interfaces and connections.
- Focus-free optical system eliminating the needs for intraoperative focusing.
- Autoclavable design for maximum reliability.



Life-like definition and clarity



Deep 15-50mm depth of field eliminates focusing



HD ENDOEYE