RICHARD WOLF

spirit of excellence

Be flexible.

BOA VISION EF

COBRA VISION EF

Flexible Sensor Ureterorenoscopes for ENDOCAM® Flex HD

Quality and performance have a new size.

To arrange a trial, contact your local Richard Wolf representative or call Customer Service at (800) 323-9653.

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Vernon Hills, IL 60061-3110

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info@richardwolfusa.com

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Specifications subject to change without notice.

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ENDOCAM Flex HD

Quality and performance have a new size.

- **Compact devices**—smaller footprint.
- **Plug and play**—simple and intuitive setup for easy operation.
- **Excellent image quality**—true HD image.
- **Versatile**—compatible with conventional flexible, conventional rigid, and flexible digital endoscopes.

An economical and innovative imaging system, the ENDOCAM Flex HD is compact, portable, and easy-to-use. This endoscopic camera system offers a high-quality image suited for outpatient and office procedures.

With its small footprint, the ENDOCAM Flex HD imaging system saves space while delivering brilliant endoscopic images—an optimal solution to meet your needs.

Be flexible

Just turn it on: Neither white-balancing nor focusing are necessary, and brightness level is automatically regulated by the ENDOCAM Flex HD controller when using Richard Wolf flexible sensor endoscopes.

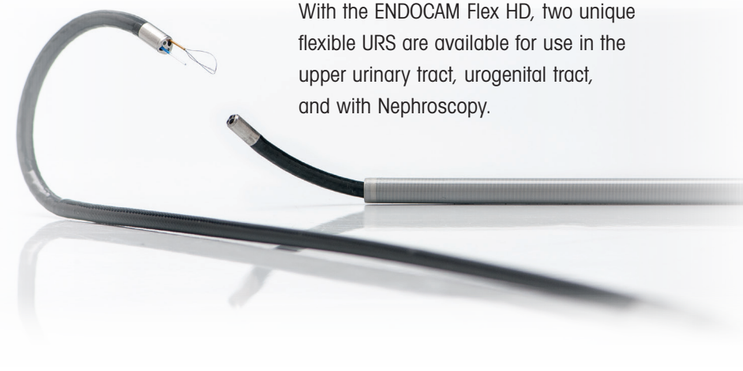
Genuine plug and play:
Just one plug—connect and go.

ENDOCAM Flex HD
Urology

BOA vision EF and the COBRA vision EF pair well with ENDOCAM Flex HD to allow the surgeon to perform a full spectrum of upper urological procedures.

The small outer diameter of the BOA vision EF makes it ideal for many urological applications. COBRA vision EF, currently the only flexible dual-channel sensor URS on the market, is recommended for stone therapy. Both endoscopes offer a complete clinical package, satisfying the desires of urologists with the optimal technical performance.

Ureteroscopy



With the ENDOCAM Flex HD, two unique flexible URS are available for use in the upper urinary tract, urogenital tract, and with Nephroscopy.

BOA VISION EF

Single-Channel Flexible Sensor URS

- Compatible with a 9.5 Fr. access sheath.
- 270° bidirectional deflection.
- 3.6 Fr. working channel.
- Atraumatic 6.6 Fr. beveled distal tip for easy insertion.
- 8.7 Fr. sheath.
- Integrated LED illumination and distal image sensor.
- Two pre-programmed camera buttons.
- Ergonomic handle and axial cable.

COBRA VISION EF

Dual-Channel Flexible Sensor URS

- 270° bidirectional deflection.
- Two independent channels (3.6 Fr. and 2.4 Fr.) for the simultaneous use of tipless baskets and laser fibers.
- Atraumatic 5.2 Fr. beveled distal tip for easy insertion.
- 9.9 Fr. sheath.
- Integrated LED illumination and distal image sensor.
- Two pre-programmed camera buttons.
- Ergonomic handle and axial cable.

Technical Data

Flexible sensor ureterorenoscopes EF.

		BOA vision EF Flexible Sensor URS	COBRA vision EF Flexible Sensor URS
Number of Working Channels		1	2
Sheath		8.7 Fr.	9.9 Fr.
Distal Tip		6.6 Fr. Atraumatic Stainless Steel Tip	5.2 Fr. Atraumatic Stainless Steel Tip
Working/Irrigation Channel		3.6 Fr.	3.6 Fr.
Laser Channel		—	2.4 Fr.
Angulation		270° Bidirectional	270° Bidirectional
Working Length		680 mm	680 mm
Viewing Angle		90°	90°
Lighting		LED Integrated to Handle	LED Integrated to Handle
Handle		Ergonomic Handle with Axial Camera Cable	Ergonomic Handle with Brake and Axial Camera Cable
Positioning of the Working and Irrigation Channel to the Image		At 9 O'clock	At 6 O'clock
Positioning of the Laser and Irrigation Channel of the Image		—	At 9 O'clock
Endoimage		Square, 1.5 x Zoom, Detail Enhancement, Automatic White-Balance and Light Control, No Focusing Necessary	Square, 1.5 x Zoom, Detail Enhancement, Automatic White-Balance and Light Control, No Focusing Necessary
Compatible Camera System		ENDOCAM Flex HD	ENDOCAM Flex HD
Included Accessories		Leak Tester (163.903), Pressure Equalization Valve (163.904), Disposable Cleaning Brush (Pack of 10) for Working Channel (7990001), Irrigation Set V (163910)	Leak Tester (163.903), Pressure Equalization Valve (163.904), Disposable Cleaning Brush (Pack of 10) for Working Channel (7990001), Disposable Cleaning Brush (Pack of 10) for Laser Channel (7990003), Clamping Element (Pack of 20), Orange (15394144), Adapter (163914), 2 x Irrigation Set V (163910)
Endoscope: Control Lever Distal – Deflection ...	...Up	**735510761** (Incl. Endoscope 73551076)	**735610761** (Incl. Endoscope 73561076)
	...Down	**735510711** (Incl. Endoscope 73551071)	**735610711** (Incl. Endoscope 73561071)

ENDOCAM Flex HD

and Accessories.

ENDOCAM Flex HD Controller Bundle

ENDOCAM Flex HD Controller (5521101), HDMI/DVI cable (103843), power cable (N710171) **55211011**

Mounting Solutions

VESA 100 Bracket for 1 Device
For mounting 1 device in the Flex series between the monitor stand (5370.0190) and a VESA 100 monitor **5370401**

VESA 100 Bracket for 2 Devices
For mounting 2 devices in the Flex series between the monitor stand (5370.0190) and a VESA 100 monitor **5370402**

Device Mount VESA 100
For mounting 1 device in the Flex series to the side of the RIWOmobil OR cart (3211601355) **32116452**

ENDOLIGHT Flex LED Bundle

ENDOLIGHT Flex LED light source (5166001) and power cable (N710171) **51660011**

Camera Head

ENDOCAM Flex HD 1080p Camera Head
1-Chip HD Camera Head for ENDOCAM Flex HD **5521902**

Lenses

RIWO Zoom Lens
With C-mount thread and snap-on lock, non-autoclavable, f = 13-29 mm, optimized for 1/3" image sensors..... **5261504**