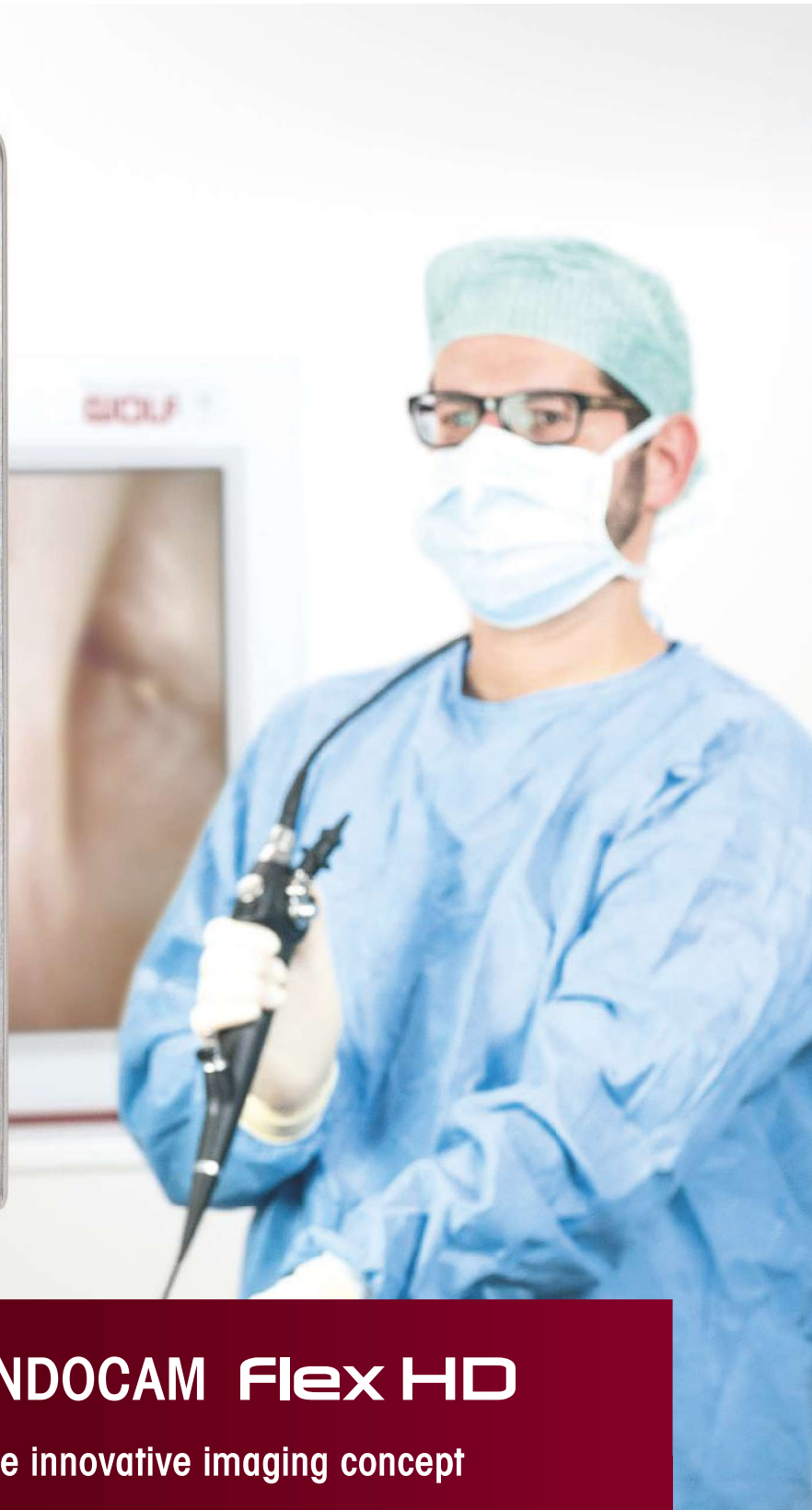


Be flexible



For further info  
please scan code



**ENDOCAM Flex HD**

The innovative imaging concept

# ENDOCAM Flex HD

The innovative imaging concept



**Endocam Flex HD** is the innovative concept that fulfills the requirement of an easy-to-use, space-saving, and portable imaging system.

With universal connectivity to a large number of endoscopes, **Endocam Flex HD** allows the use of our one-of-a-kind flexible sensor endoscopes along with rigid endoscopes of every type – be flexible!

An attractive price-performance ratio, combined with a customer-oriented service concept, allows **Endocam Flex HD** to fit into any budget.

# Be flexible

- **Compact devices** – smaller footprint
- **Plug and Play** for easy use
- **Excellent image quality** and illumination
- **Universal application** with the new flexible endoscopes
- **Optional camera head** for use with existing rigid endoscopes



**Genuine Plug and Play:**  
Just one plug – connect and go.

**Just turn it on:** Neither white-balancing nor focusing are necessary and brightness control is automatically regulated by **Endocam Flex HD** when using our flexible sensor endoscopes.

**Flexibility =  
Experience + Innovation**

**ENDOCAM Flex HD** stands for innovative flexible endoscopes based on our established camera platform **ENDOCAM Logic HD** and which can be applied in various medical disciplines.



**ENDOLIGHT Flex LED**

**ENDOLIGHT Flex LED** expands the application of the **ENDOCAM Flex HD** to endoscopes with conventional optical systems.

**ENDOLIGHT Flex LED** features modern, low maintenance LED technology and simple operation with a high light output comparable to a 180 W xenon light source.

With use of the camera head for **ENDOCAM Flex HD**, many applications in rigid endoscopy are also possible, also with third-party and with analog flexible endoscopes.



**@Urology**

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**@Pulmonology / Critical Care Medicine**

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# ENDOCAM Flex HD

## @Pulmonology / Critical Care Medicine

# Pulmonology

For pulmonology, the **ENDOCAM Flex HD** concept offers a complete, however space-saving, cost-efficient package for diagnostic and therapeutic procedures.

The new flexible endoscopes deliver a first-class image of the airways via an innovative image sensor and distally integrated LEDs. A handle designed with ergonomics in mind allows tireless handling over long periods of time.

From routine procedures, such as endotracheal or bronchial biopsies with the diagnostic bronchoscope to complex interventional procedures with the therapeutic model, Richard Wolf meets the needs of today's pulmonologist with this revolutionary new system.



**At half the size** of traditional endoscopic units in width and height, the ENDOCAM Flex HD and ENDOLIGHT Flex LED can be placed in areas with limited space.



**Flexible Sensor Bronchoscope  
"diagnostic model"**

For the daily routine – for biopsy sampling or introduction and placement of endotracheal tubes.



**Flexible Sensor Bronchoscope  
"therapeutic model"**

Excellent outer to working channel diameter ratio for interventional procedures and suction of thick secretion



**Flexible Sensor Bronchoscope  
"Slim line model"**

Small lumen endoscope for examination of peripheral pathologies or for use in smaller anatomy



Every second counts during treatment of a patient in critical care medicine. With the compact and **portable design** of the ENDOCAM Flex HD system from Richard Wolf, **quick access to the patient** is possible and easy. The brilliant image, thanks to the innovative distal sensor and powerful LEDs in the flexible endoscopes, assist in fast, safe stabilization of the patient in critical care situations.

**Critical Care Medicine**

# Technical Data

## Flexible Sensor Bronchoscopes

	Flexible Sensor Bronchoscope "diagnostic model"	Flexible Sensor Bronchoscope "therapeutic model"	Flexible Sensor Bronchoscope "Slim line model"
Sheath ø	5.2 mm	6.2 mm	2.9 mm
Distal tip	ø 5.2 mm atraumatic stainless steel tip	ø 6.2 mm atraumatic stainless steel tip	ø 2.2 mm atraumatic stainless steel tip
Working channel ø	2.2 mm	3.0 mm	1.3 mm
Angulation	180° upward, 140° downward	180° upward, 140° downward	270° upward, 270° downward
Working length	600 mm	600 mm	680 mm
Viewing angle	110°	110°	90°
Lighting	two distally integrated LEDs	two distally integrated LEDs	LED integrated to handle
Handle	ergonomically contoured handle with axial camera cable	ergonomically contoured handle with axial camera cable	ergonomically contoured handle with axial camera cable
Positionierung des Arbeits- und Spülkanals zum Bild	at 3 o'clock	at 3 o'clock	at 9 o'clock
Endoimage	octagon, automatic white-balance and light control, no focusing necessary	octagon, 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
Cable length	2.5 m	2.5 m	2.5 m
Compatible endocamera	ENDOCAM Flex HD	ENDOCAM Flex HD	ENDOCAM Flex HD
Included accessories	<b>Biopsy valve</b> (pack of 100), un-sterile, for single use (4565851), <b>suction valve</b> (pack of 20), sterile, for single use (4565901), <b>biopsy forceps</b> (pack of 10), sterile, with smooth double spoon, coated sheath, for single use (4564611), <b>leak tester</b> (163903), <b>pressure equalization valve</b> (163904), <b>rinsing adapter</b> for automatic cleaning (163912), <b>cleaning brush</b> for suction channel (7268691), <b>disposable cleaning brush</b> (pack of 10) (7990002), <b>protection ring</b> (15008320)	<b>Biopsy valve</b> (pack of 100), un-sterile, for single use (4565851), <b>suction valve</b> (pack of 20), sterile, for single use (4565901), <b>biopsy forceps</b> (pack of 10), sterile, with smooth double spoon, coated sheath, for single use (4564711), <b>leak tester</b> (163903), <b>pressure equalization valve</b> (163904), <b>rinsing adapter</b> for automatic cleaning (163912), <b>cleaning brush</b> for suction channel (7268691), <b>disposable cleaning brush</b> (pack of 100) (7990004), <b>protection ring</b> (15008320)	<b>Biopsy valve</b> (pack of 100), un-sterile, for single use (4565851), <b>suction valve</b> (pack of 20), sterile, for single use (4565901), <b>biopsy forceps 3 Fr.</b> , flexible, WL 920 mm (829.601), <b>leak tester</b> (163903), <b>pressure equalization valve</b> (163904), <b>rinsing adapter</b> for automatic cleaning (163912), <b>cleaning brush</b> for suction channel (7268691), <b>disposable cleaning brush</b> (pack of 10), for working channel (7990001), <b>protection ring</b> (15008320)
	<b>725001</b> (incl. Endoscope 7250011)	<b>726001</b> (incl. Endoscope 7260011)	<b>723601</b> (incl. Endoscope 7236011)

# ENDOCAM Flex HD

## and Accessories

### ENDOCAM Flex HD Controller

Outputs: 1 x HDMI, 1 x USB 3.0,  
Resolution: 1920 x 1080 pixel,  
VESA 100 interface,  
100–240 V a.c., 50/60 Hz,  
dimensions (W x H x D):  
150 x 55 x 220 mm ..... **5521101**



### Light source

#### ENDOLIGHT Flex LED

High Power LED, LED service life  
> 30,000 h, color temperature  
approx. 6,500 K, continuously vari-  
able electronic light quantity control,  
VESA 100 interface,  
100–240 V a.c., 50/60Hz,  
Dimensions (W x H x D):  
150 x 55 x 220 mm ..... **5166001**

### Mounting solutions

#### VESA 100 Console

Console for one or two devices of  
the "Flex" series, installation bet-  
ween VESA 100 mount and VESA  
100 monitor,  
**for one device** ..... **5370401**  
**for two devices,**  
with holder for camera head  
and light cable ..... **5370402**

#### VESA 100 mount

for mounting one device of "Flex"  
series to the side of RIWomobil  
or  
to other vertical  
mounting surfaces ..... **32116452**



### Camera head

#### 1-Chip HD Camera head for ENDOCAM Flex HD

C-Mount, 1 x 1/3 inch high-resolution  
image sensor, 2 camera head buttons,  
angled cable connection,  
cable length: 2.5 m ..... **5521902**

### Lenses

#### RIWO-Zoom-Lens

f = 13 – 29 mm ..... **5261504**

#### RIWO-Angular-Lens

f = 17 mm ..... **5257171**

# ENDOCAM Flex HD

**Yes, I would like to request  
an ENDOCAM Flex HD Evaluation Set at no charge\***



**by Fax: +49 7043-35 4388  
or online at  
[endocamflexhd.richard-wolf.com](http://endocamflexhd.richard-wolf.com)**



Please complete all fields in the form below to request your personal **ENDOCAM Flex HD Evaluation Set**.

**Absender:** Title: .....

Academic title: .....

First name: .....

Name: .....

Function: .....

Hospital/Practice: .....

Department: .....

Street and house number: .....

Postcode/Town: .....

Country: .....

Phone: .....

Fax: .....

E-Mail: .....

Yes, I'd like to receive information about product innovations, promotions and workshops by newsletter from Richard Wolf.

Place / Date

Signature / Stamp

\* Charges may apply for consumables