



## ENDOCAM *Logic HD*

The Future is Logic

# New perspectives in Vision



**ENDOCAM Logic HD** combines **flexibility and versatility in a unique dimension**. Sharpen your focus for brilliant images and a lot of smart options. The most advanced options reflect the latest technological development status. Future-proof concepts provide assurance that you will also be optimally equipped for the future.

**ENDOCAM Logic HD** allows you to remain in contact – with your work through pin-sharp, detailed images and with the future of advanced operating systems.

## Highly developed dialog function

The dialog function permits automatic control of the light source through the camera. Users don't have to make any further adjustments – a decisive step toward more operating comfort.





### Versatile connection options

ENDOCAM Logic HD has been configured for the highest image transmission standards. The system also offers maximum flexibility in this area.

### Exceptional flexibility

ENDOCAM Logic HD permits adaptation of different sensor technologies: 3CCD, 1CCD, C-MOS. A needs-oriented selection of highly developed camera heads leaves absolutely nothing to be desired. You benefit from convenient digital technology,

newly developed eyeMAX endoscopes with chip-on-the-tip technology and lots more. The system concept is supplemented by smart LED light sources, efficient light guides and powerful monitors.

# Eye to eye with the future

Details in view, technology under control



## Overview for more control

Logic HD features fast and easy control of all functions. This is facilitated by the touch display on the unit and an on-screen display with intuitive and smart menu navigation.



## High-definition for brilliant details

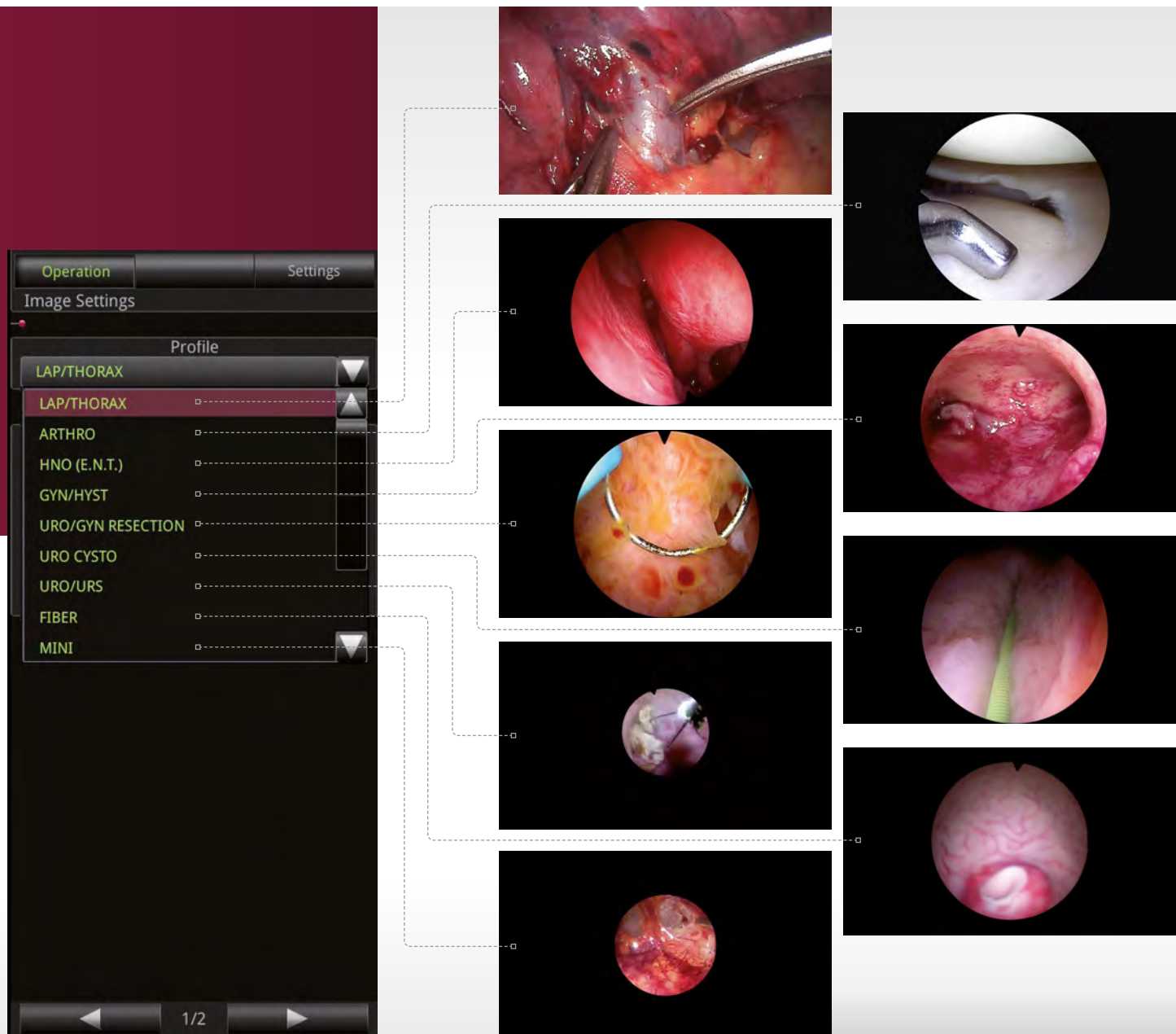
ENDOCAM Logic HD delivers pin-sharp images with maximum brightness and depth of detail.

## Profiles specialized for efficiency

**ENDOCAM Logic HD** has a large number of preset application profiles that have been tested in clinical settings and can be quickly selected.

Specialization and easy handling create efficiency in every operating situation. Users are also able to specify a large number of settings them-

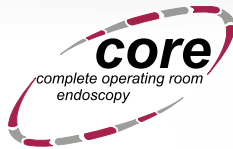
selves and define their own profiles. Menu navigation is carried out in a choice of different languages.



The image displays the ENDOCAM Logic HD interface and various endoscopic views. On the left, a screenshot of the 'Profile' selection menu is shown, listing various surgical specialties: LAP/THORAX, ARTHRO, HNO (E.N.T.), GYN/HYST, URO/GYN RESECTION, URO CYSTO, URO/URS, FIBER, and MINI. The 'LAP/THORAX' profile is currently selected. On the right, several circular endoscopic images are shown, illustrating the camera's view through different surgical sites. Dashed lines connect these images to the corresponding profile names in the menu, demonstrating the system's specialization for various procedures.

# Centerpiece in Digital OR – *core*





## Perfection at every level

**core** from RICHARD WOLF makes the vision of a perfect operating theater a reality. Complex processes and high-tech modules work in the background with the objective of achieving optimum patient outcomes with efficient use of capacities.

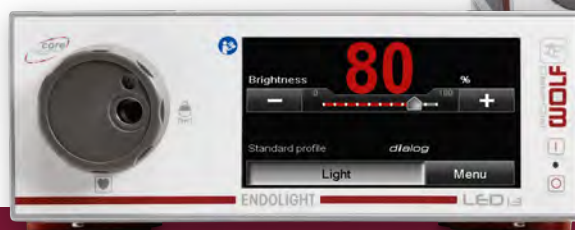
**ENDOCAM Logic HD** is the perfect image data source for **core**. Intuitive operation, equipped with HD technology creates vivid images. **core.media** then distributes these to any monitors and workstations as necessary.



ENDOLIGHT X300 HighLight



ENDOLIGHT LED 1.3



## HighLights in the system

The automatic **ENDOLIGHT** light sources, e.g. X300 HighLight and LED 1.3, combine clear, intensive light with convenient application. The dialog link creates the ideal systems partner for **ENDOCAM Logic HD**.

**The LED technology is a key feature:** The light sources operate almost silently and with very low operating costs. The LED lamp has a service life of approximately 30,000 hours.

# The system of the future

Focus on success with ENDOCAM Logic HD

## ENDOCAM Logic HD is different

Compared with previous systems, the digital processing is carried out in the camera head. This provides flexibility and optimizes signal transfer to the controller.

### 3CCD HDTV camera head

- Image format 16:9
- Maximum fidelity and image detail

### 1CCD HDTV camera head

- Image format 16:10
- Autoclavable
- Extremely low weight





**Pendulum camera head  
"PENDUAL", 1CCD HD  
format 5:4**

The pendulum housing ideal for resection can by a simple twist action be converted to an axial head (e.g. for rigid URS).



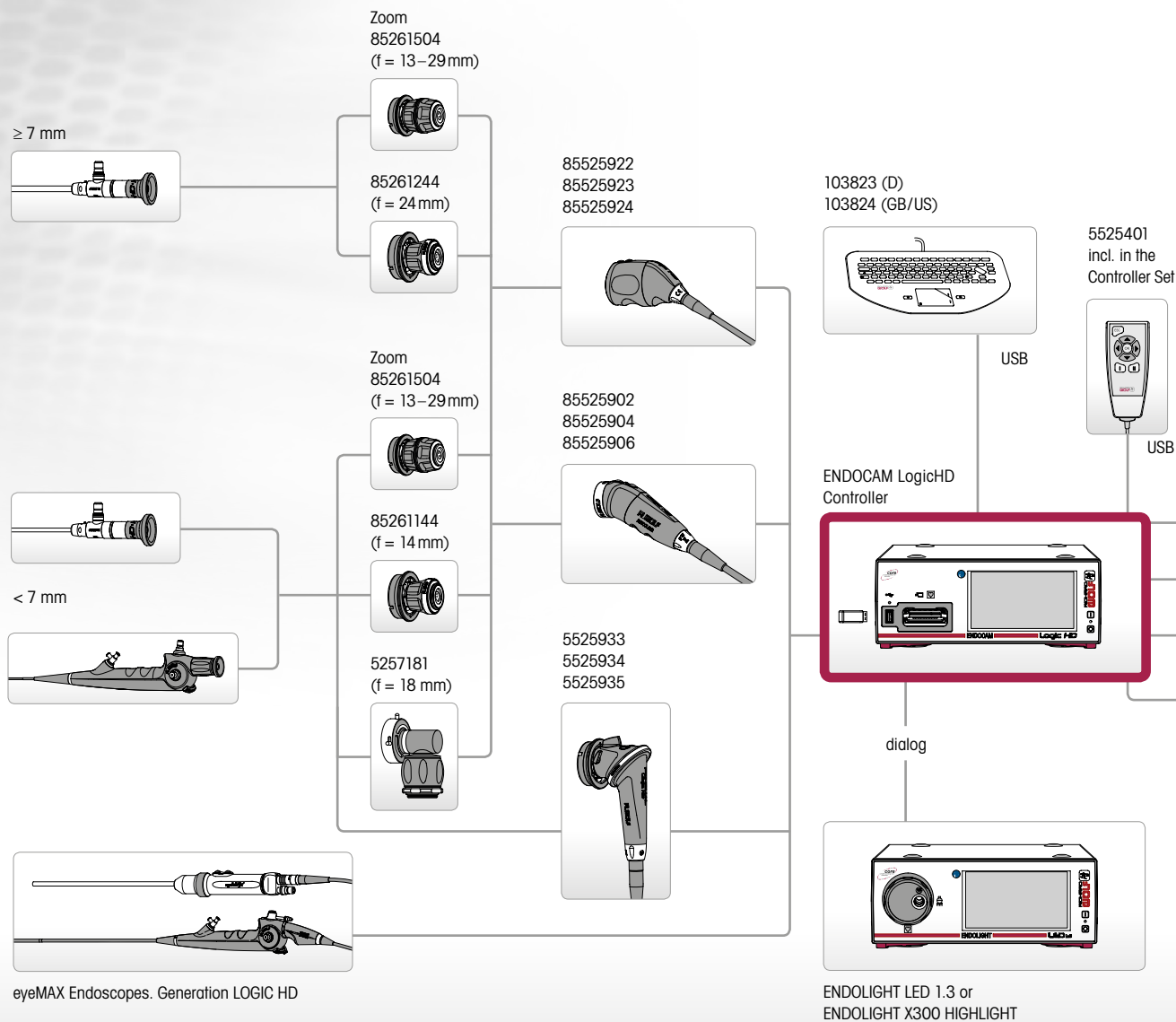
**reddot** design award  
winner 2012

**New snap-on lock**

- For intuitive positioning of the lens on the endoscope
- Parfocal zoom lens 13–29 mm for maximum flexibility



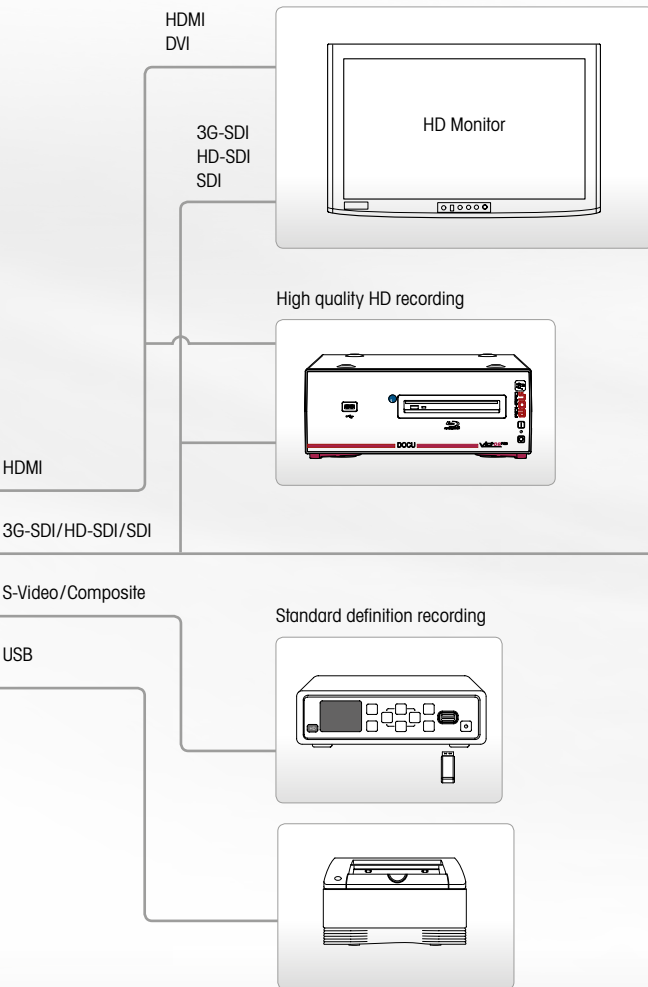
# System overview



## Unrestricted flexibility

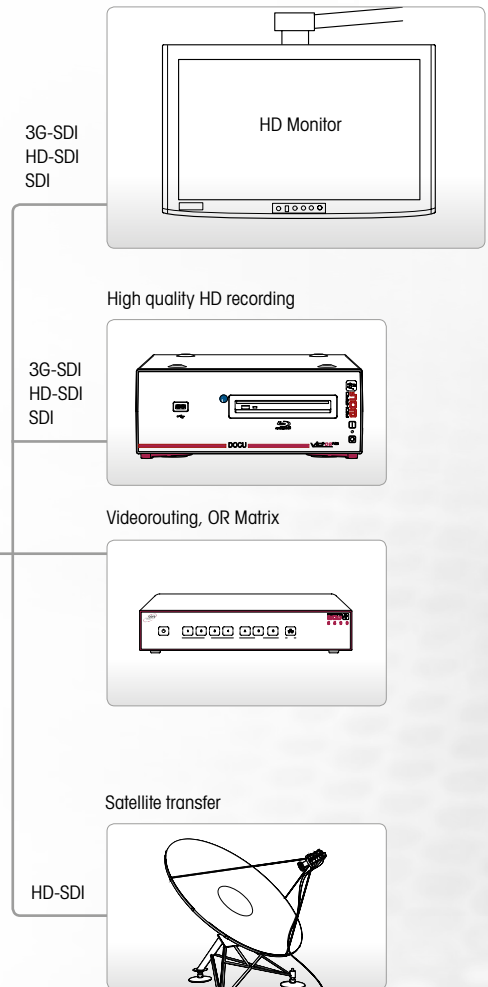
- A selection can be made from a choice of 8 different CCU versions
- Basic version with HDMI outputs
- Unique: SDI / HD-SDI / 3G-SDI output module for transmission of 1080p to 3G-SDI
- PIP = picture in picture input (also 3G-SDI)
- Analog output

→ Cable length up to 5 m



5651051 Digital Color Printer SONY UP-DR80MD  
5651926 Color Photo Print Package DIN-A4  
UPC-R80MD

→ Cable length up to 50 m



## Always in the picture, always up to date

USB-loadable firmware updates allow users to exploit new functions as they become available, quickly and conveniently. Single images can be saved directly to USB media in HD quality.

The print function provides high-quality printouts in A4 format with the system printer from SONY.



# Ordering data

ENDOCAM LOGIC HD Ordering data																	
	<p><b>ENDOCAM LOGIC HD CONTROLLER SET</b>, comprising:            ENDOCAM LOGIC HD Controller (552510x), remote control (5525401), USB flash MEMORY 8GB (56540028), CAN BUS Terminator (5590989), HDMI / DVI-D cable lockable 3.0 m (103843), power cable.</p> <p><b>Controller equipment versions:</b></p> <table border="0"> <tr> <td>2x HDMI out .....</td> <td>55251011</td> </tr> <tr> <td>2x HDMI out / PIP in .....</td> <td>55251021</td> </tr> <tr> <td>2x HDMI out / Analog out .....</td> <td>55251031</td> </tr> <tr> <td>2x HDMI out / PIP in / Analog out .....</td> <td>55251041</td> </tr> <tr> <td>2x HDMI out / 2x 3G-SDI out .....</td> <td>55251051</td> </tr> <tr> <td>2x HDMI out / 2x 3G-SDI out / PIP in .....</td> <td>55251061</td> </tr> <tr> <td>2x HDMI out / 2x 3G-SDI out / Analog out .....</td> <td>55251071</td> </tr> <tr> <td>2x HDMI out / 2x 3G-SDI out / PIP in / Analog out .....</td> <td>55251081</td> </tr> </table>	2x HDMI out .....	55251011	2x HDMI out / PIP in .....	55251021	2x HDMI out / Analog out .....	55251031	2x HDMI out / PIP in / Analog out .....	55251041	2x HDMI out / 2x 3G-SDI out .....	55251051	2x HDMI out / 2x 3G-SDI out / PIP in .....	55251061	2x HDMI out / 2x 3G-SDI out / Analog out .....	55251071	2x HDMI out / 2x 3G-SDI out / PIP in / Analog out .....	55251081
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	<p><b>3-CHIP and 1-CHIP camera head have the following common specifications:</b>            C-Mount, digital image processing and digital signal transfer, 2 programmable camera head buttons, cable outlet angled, camera cable can be replaced by Service on site.</p>																
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	<p><b>PENDUAL HD camera head ENDOCAM LOGIC HD</b>, twist housing providing two operating modalities:            1: Pendulum camera head, 2: straight camera head, integrated lens f = 17 mm, freely rotating snap-on lock with latch function, 1/3 inch image sensor, digital image processing and digital signal transfer, two programmable camera head buttons, camera cable can be replaced by Service on site.</p> <table border="0"> <tr> <td>Cable length: 3 m .....</td> <td>5525933</td> </tr> <tr> <td>Cable length: 5 m .....</td> <td>5525934</td> </tr> <tr> <td>Cable length: 8 m .....</td> <td>5525935</td> </tr> </table>	Cable length: 3 m .....	5525933	Cable length: 5 m .....	5525934	Cable length: 8 m .....	5525935										
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	<p><b>ENDOLIGHT LED 1.3 SET</b>            Comprising ENDOLIGHT LED 1.3 (5162001), CAN BUS cable (103701), CAN BUS Terminator (5590989) and power cable.....</p> <p>51620011</p>																
	<p><b>Light projector HIGHLIGHT X300 SET</b>            Comprising light projector HIGHLIGHT X300 (5142002), CAN BUS cable (103701), CAN BUS Terminator (5590989) and power cable.....</p> <p>51420021</p>																

Specifications subject to change without notice.

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