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spirit of excellence

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.

HDTV 1080p HDMI 3G SDI

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Versatile connection options

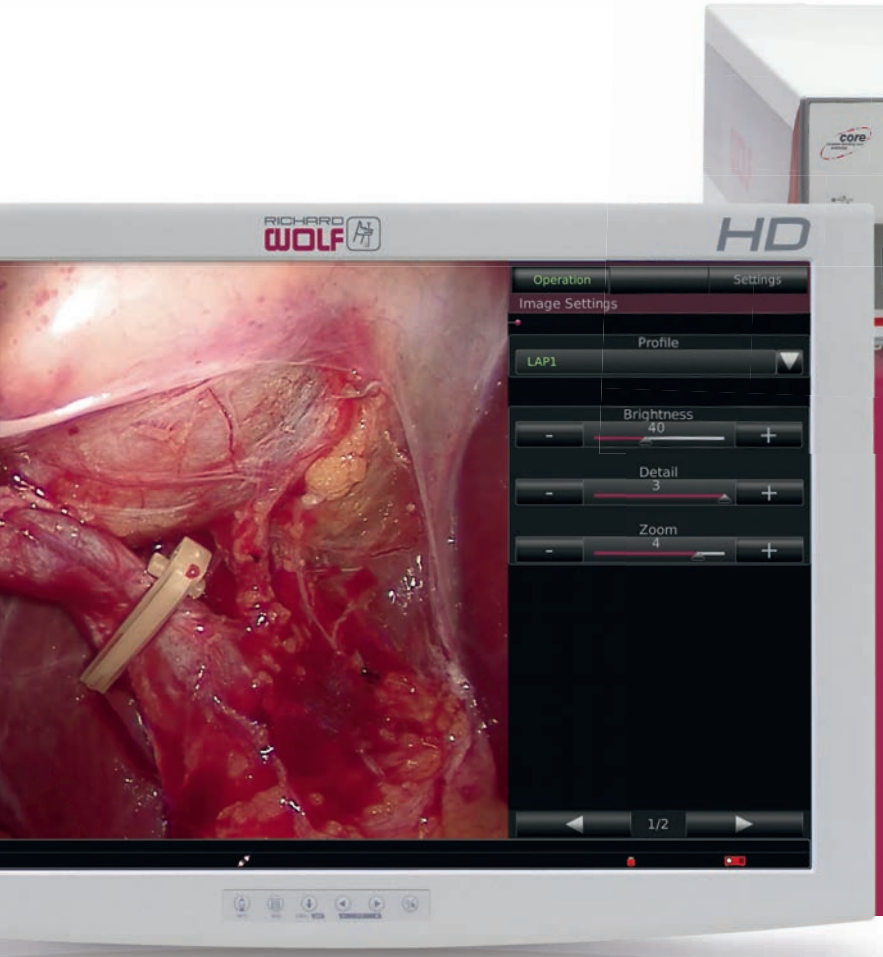
ENDOCAM® Logic HD has been configured for the highest image transmission standards. The system also offers maximum flexibility in this area.

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.

HD
High Definition

High-definition for brilliant details

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

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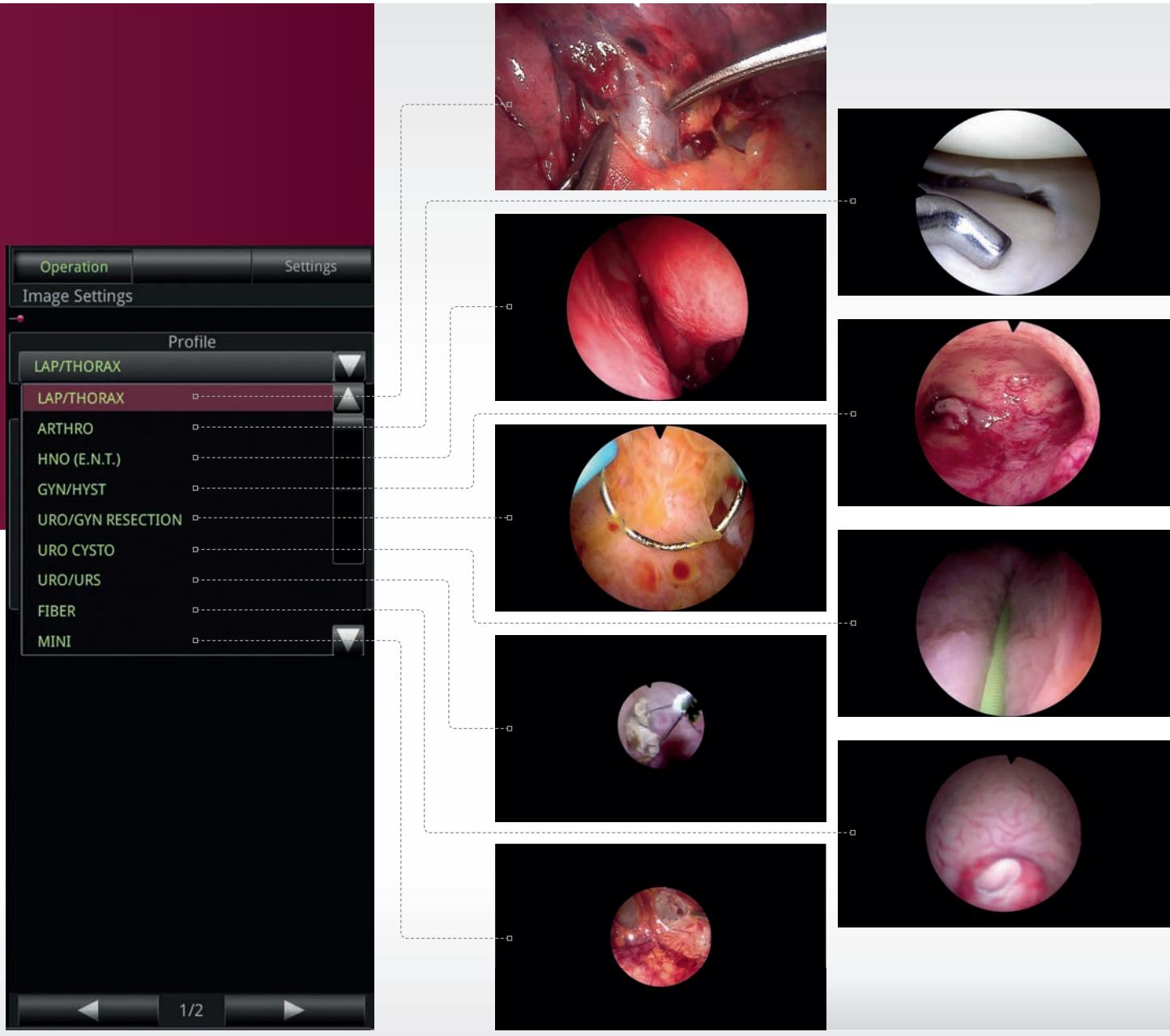
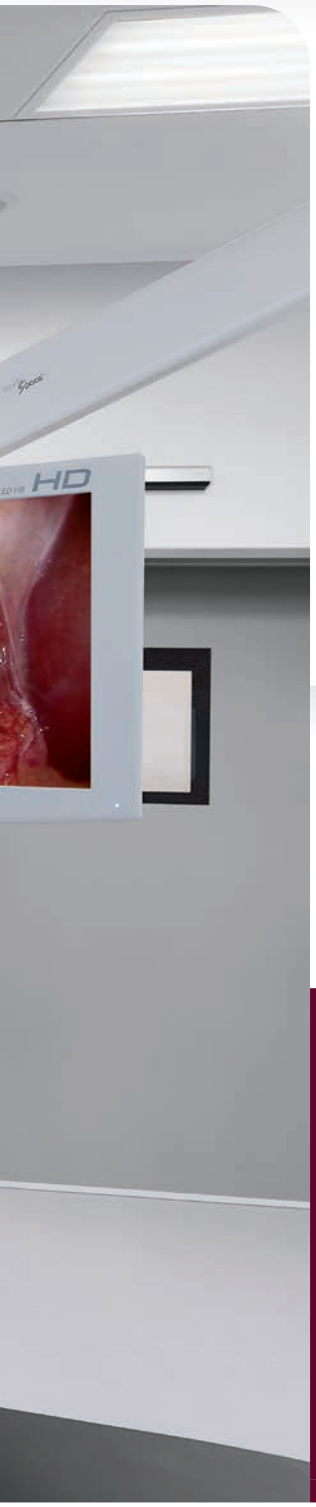
Profiles specialized for efficiency

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



Centerpiece in Digital OR – *core*



core
complete operating room endoscopy

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

dialog

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

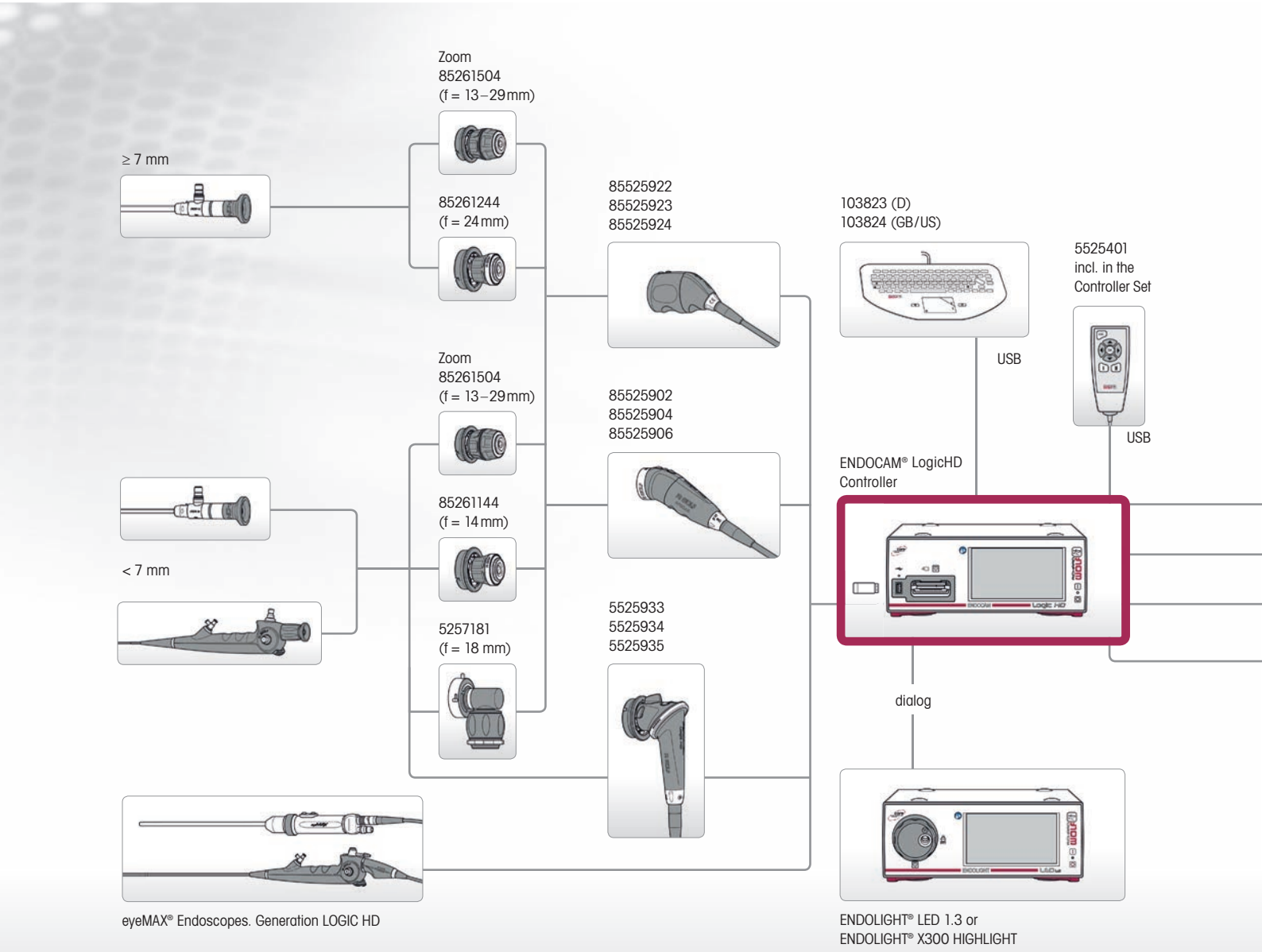
The pendulum housing ideal for resection can by a simple twist action be converted to an axial head (e.g. for rigid URS).

reddot design award
winner 2012

New snap-on lock

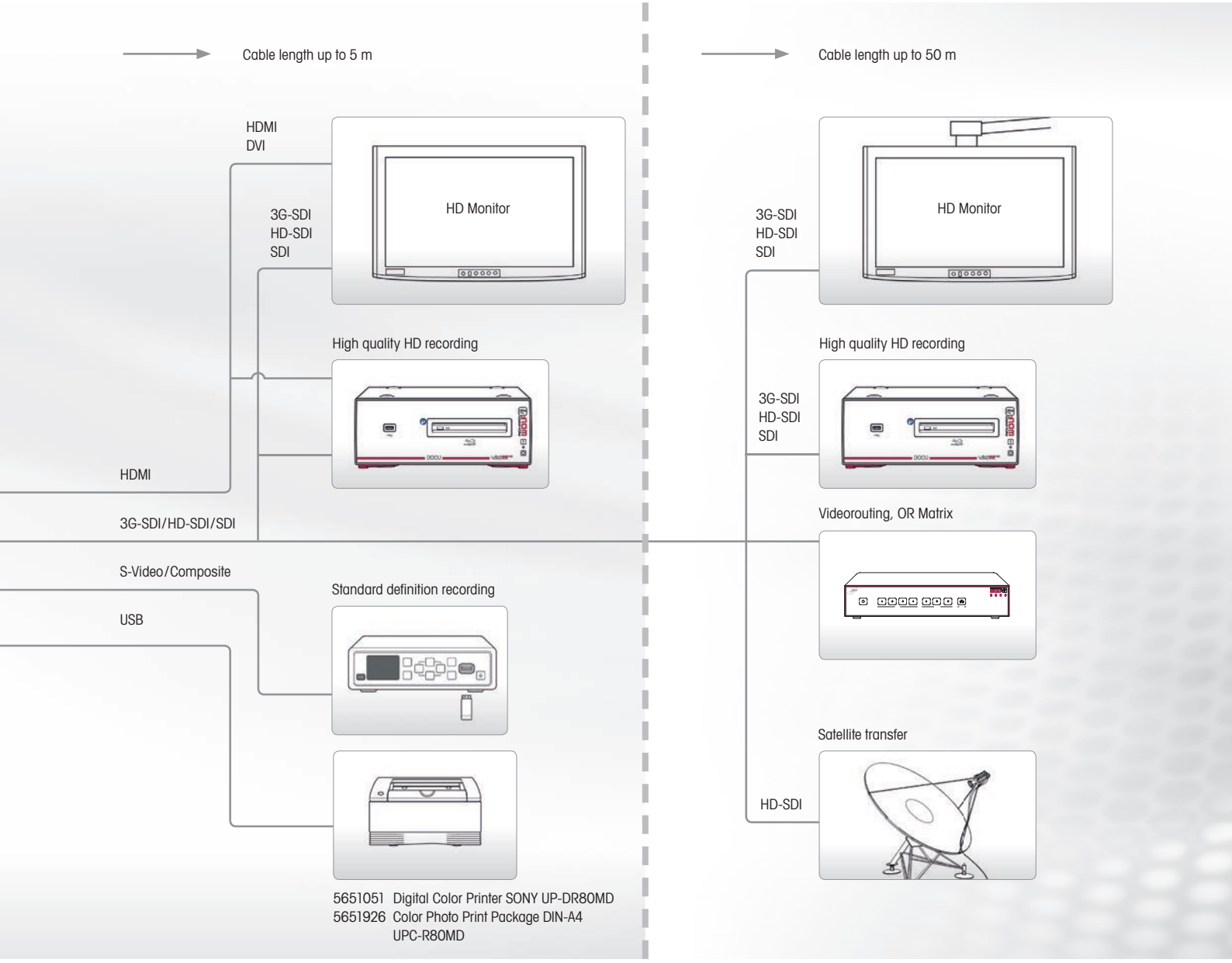
- For intuitive positioning of the lens on the endoscope
- Parfocal zoom lens 13 – 29 mm for maximum flexibility

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



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

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ENDOCAM® LOGIC HD Ordering data

ENDOCAM® LOGIC HD CONTROLLER SET, 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.

Controller equipment versions:

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

3-CHIP and 1-CHIP camera head have the following common specifications:
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.

3-CHIP HD CAMERA HEAD ENDOCAM® LOGIC HD, autoclave, 3x 1/3 inch image sensor

Cable length: 3 m	85525922
Cable length: 5 m	85525923
Cable length: 8 m	85525924

1-CHIP HD CAMERA HEAD ENDOCAM® LOGIC HD, autoclave, 1/3 inch image sensor

Cable length: 3 m	85525902
Cable length: 5 m	85525904
Cable length: 8 m	85525906

PENDUAL HD camera head ENDOCAM® LOGIC HD, 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 by replaced by Service on site.

Cable length: 3 m	5525933
Cable length: 5 m	5525934
Cable length: 8 m	5525935

For universal use	**RIWO Zoom Lens, f = 13 – 29 mm,** with C-mount thread and snap-on lock, disinfectable and autoclavable, f = 13 – 29 mm, optimized for 1/3" image sensors	85261504

Use for endo-scopes with Ø ≥ 7 mm	**RIWO Lens, f = 24 mm,** with C-mount thread and snap-on lock, disinfectable and autoclavable, f = 24 mm, optimized for 1/3" image sensors	85261244
Use for endo-scopes with Ø < 7 mm	**RIWO Lens, f = 14 mm,** with C-Mount thread and snap-on lock, disinfectable and autoclavable, f = 14 mm, optimized for 1/3" image sensors	85261144

ENDOLIGHT® LED 1.3 SET
Comprising ENDOLIGHT LED 1.3 (5162001), CAN BUS cable (103701), CAN BUS Terminator (5590989) and power cable..... 51620011

Light projector HIGHLIGHT X300 SET
Comprising light projector HIGHLIGHT X300 (5142002), CAN BUS cable (103701), CAN BUS Terminator (5590989) and power cable..... 51420021

Specifications subject to change without notice.

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