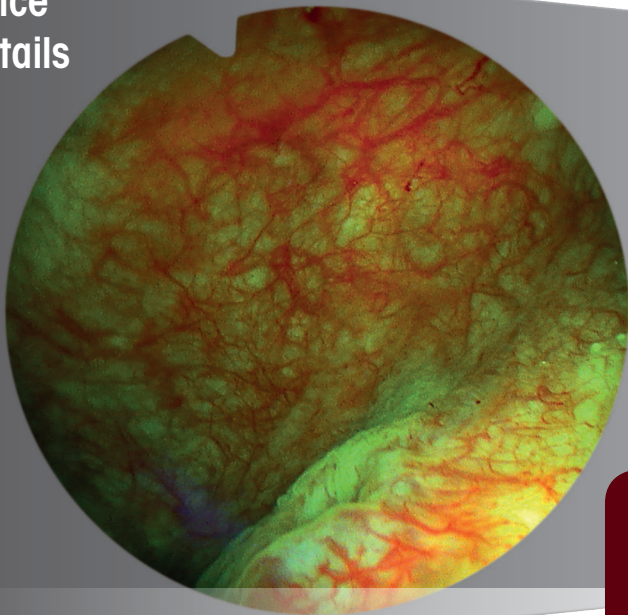**The Difference
is in the Details**

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SIM

SIM – Special Imaging Mode
Update for **ENDOCAM Logic HD**

SIM – Special Imaging Mode

Alongside display in natural colors, you have the option of accessing a range of digital algorithms. Depending on the situation, the **Special Imaging Mode (SIM)** can be used to improve tissue differentiation, lighten critical areas of images and improve the display of structures in light, otherwise overexposed regions (HDR).

SIM

The Difference is in the Details

■ **Toggling at the touch of a button**
SIM can be switched on and off at the touch of a button on the camera head

■ **No additional investment**
SIM operates with normal white-light illumination – no special light sources are necessary. We recommend the light source ENDOLIGHT LED 2.2

■ **Retrofittable**
The **SIM** software can be installed with a USB stick on existing Logic HD camera controllers

■ **Application presets**
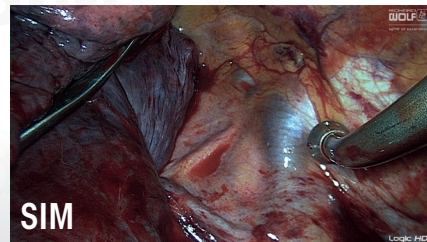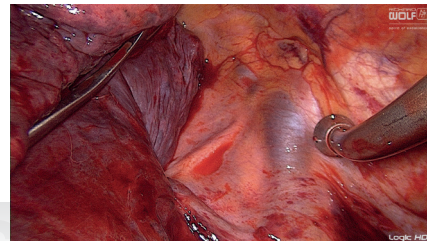A suitable **SIM** is already stored for each medical application preset. Other modes can be stored in a user preset

■ **Safety**
Whenever the **SIM** is active, this is displayed in the status bar

* Cameras with software revision R15 or higher can be updated via USB-Stick for free. Devices with older software may necessarily be send in for service which will cause costs.
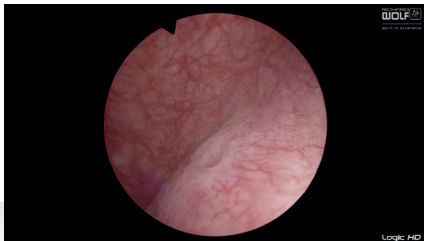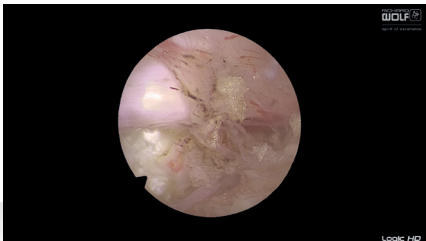
COLOR CONTRAST I – III

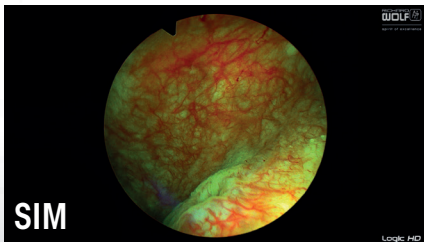Color Contrast modes increase the image contrast and the color differentiation by selective false-color display.

SIM

COLOR CONTRAST I
Differentiated color display and contrast enhancement in images with a high proportion of red.

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COLOR CONTRAST II
Differentiated color display, and contrast enhancement in pale images.

COLOR CONTRAST III
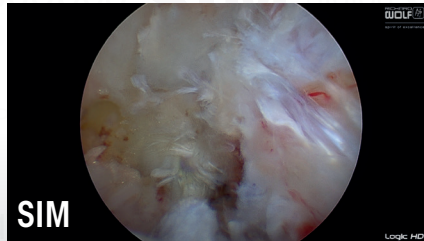Strongly differentiated color display, and contrast enhancement in pale images.
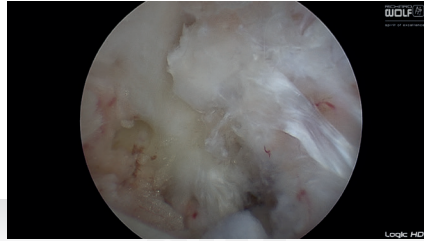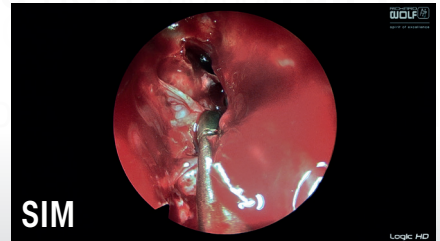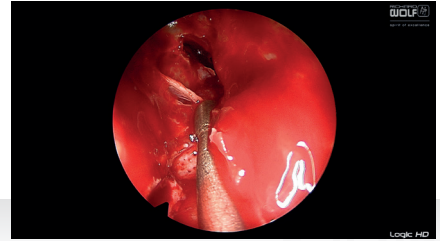
CONTRAST I – II

Contrast modes strengthen structures for better identification, while retaining the original color shades.

CONTRAST I
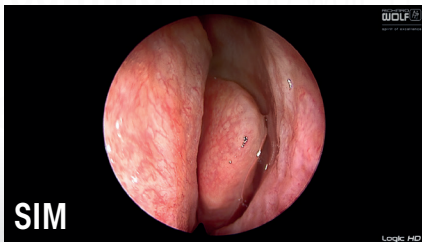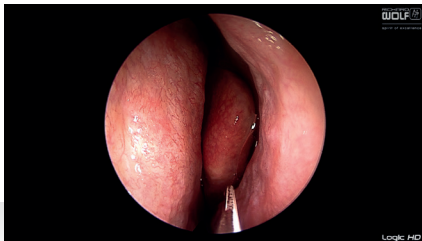Intensified color display, and contrast enhancement in pale images.

CONTRAST II
Subdued color display for strongly saturated image scenes. The color intensity is reduced.

HDR
High Dynamic Range

The High Dynamic Range mode lightens dark areas of an image and reduces overexposed areas.

SIM

HDR
Reduction of overexposures.
Lightening of shadows.

The image supplies more information in these boundary areas.

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SIM dialog *core* nova 3G-SDI **Full-HD Recording** USB-Software-Updates **Network Stream**

core nova Full-HD Recording

Imaging Mode CMOS VISION sensor endoscopes dialog *core* nova 3G-S

ENDOLIGHT LED MPEG 4 h.264 PIP SIM Special Imaging Mode CMOS VISION sensor

ording USB-Software-Updates Network Stre