

IMAGE1 SPIES™

IMAGE1 CONNECT and IMAGE1 X-LINK™
– Your Link to Perfection



ispiers®



Tradition...

KARL STORZ is continuously setting new milestones in endoscopic imaging. With IMAGE 1 HUB™ HD, KARL STORZ launched the first FULL HD camera control unit for endoscopy on the market in 2007. The striking feature of IMAGE 1 HUB HD is its versatility in both rigid and flexible endoscopy.

... creates innovation!

KARL STORZ IMAGE1 SPIES once again sets new standards in imaging for minimally invasive surgery.

The IMAGE1 SPIES modular design allows customization to individual needs so that the system is optimally adapted to suit user requirements. The SPIES technology provides video endoscopes with diverse visualization possibilities for endoscopic imaging.

The modular concept of IMAGE1 SPIES integrates today's video endoscopes from KARL STORZ into the new camera platform via IMAGE1 X-LINK™.





IMAGE1 CONNECT

IMAGE1 CONNECT is the core of IMAGE1 SPIES. Intelligent icons on the user interface assist user navigation. The system also provides easy and precise visualization of current settings.

Monitors as well as documentation units are connected to IMAGE1 SPIES via DVI and 3G-SDI outputs. Various link modules can be connected to IMAGE1 CONNECT and controlled simultaneously. The STORZ Communication Bus (SCB) enables communication with other units, such as light sources or insufflators.

IMAGE1 CONNECT stores various user profiles. It also enables individual settings, customized to the surgeon's preferences or the procedure, to be saved.

Image and video data are recorded using an integrated documentation function. This data is transferred to external storage media via one of four USB interfaces.





IMAGE1 X-LINK

IMAGE1 X-LINK™ accommodates a variety of flexible video endoscopes, providing them with SPIES modes. Compact FULL HD camera heads complement this versatile system and integrate all optical and fiber-optic endoscopes into the X-LINK module. Compatibility with existing video endoscopes once again shows that KARL STORZ places a special emphasis on long-term customer investment.



:spies® – STORZ PROFESSIONAL IMAGE ENHANCEMENT SYSTEM

Innovative Visualization Tools for Surgery and Diagnosis via
Homogeneous Illumination and Contrast Enhancement

SPIES CLARA™

A good endoscopic image features a clear display of details in both light and dark areas.
SPIES CLARA supports proper illumination in each part of the endoscopic image.



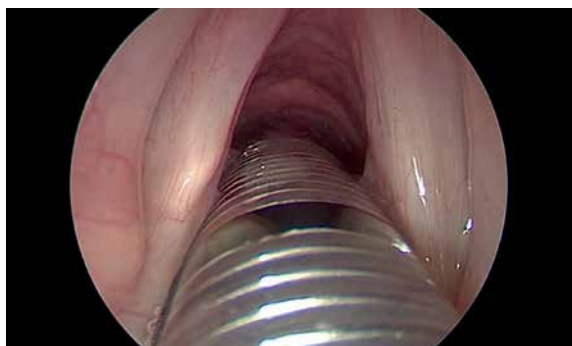
Existing HD technology



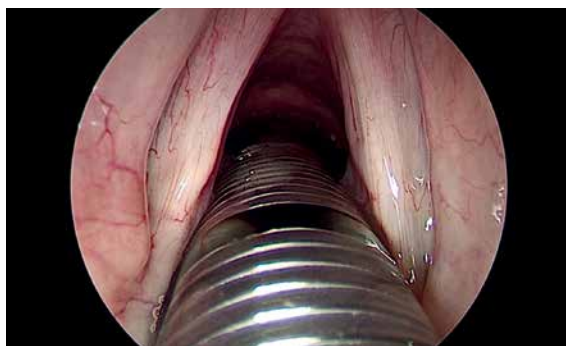
SPIES CLARA

SPIES CHROMA®

Surgical interventions are more efficient if clear differentiation of tissue is possible. SPIES CHROMA intensifies the color contrast in the image. Clearly visible structure surfaces are given added emphasis while retaining the natural color perception in the image.



Existing HD technology



SPIES CHROMA

IMAGE1 SPIES



TC200US **IMAGE1 CONNECT**, connect module, for use with up to 3 link modules, resolution 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100 – 120 VAC/200 – 240 VAC, 50/60 Hz including:

Mains Cord, length 300 cm

DVI-D Connecting Cable, length 300 cm

3G-SDI Connecting Cable, length 100 cm

SCB Connecting Cable, length 100 cm

USB Flash Drive, 4 GB

USB Silicone Keyboard, with touchpad, US



TC301US **IMAGE1 X-LINK**, link module, for use with flexible video endoscopes, 50/60 Hz, power supply 100 – 120 VAC/200 – 240 VAC, 50/60 Hz, for use with IMAGE1 CONNECT™ TC 200US

including:

Mains Cord, length 300 cm

Link Cable, length 20 cm

Compatibility Regarding Video Endoscopes and SPIES

The new IMAGE1 X-LINK is compatible with most proven KARL STORZ video endoscopes. These are specifically:

TC001	Videoendoscope Adapter
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ENT

11900 BP/BN	Video Bronchoscope
11101 VP/VN	CCD Video Rhino-Laryngoscope

Gastroenterology

13820 PKS/NKS	Video Gastroscope Slim SILVER SCOPE® Series
13821 PKS/NKS	Video Gastroscope SILVER SCOPE® Series
13885 PKS/NKS	Video Duodenoscope SILVER SCOPE® Series
13924 PKS/NKS	Video Colonoscope SILVER SCOPE® Series
13925 PKS/NKS	Video Colonoscope SILVER SCOPE® Series

Urology

11272 VPU/VNU	Video Cysto-Urethroscope
11272 VP/VN	Video Cysto-Urethroscope

In combination with video endoscope adapter TC001, SPIES functionalities can be used with the listed video endoscopes.



Monitors



- 9826NB-US **26" FULL HD Monitor**, wall-mounted with VESA 100 adaption, color systems PAL/NTSC, max. screen resolution 1920 x 1080, image format 16:9, 5:4, 4:3
Video inputs: DVI, 3G-SDI, VGA, S-Video, Composite,
Video outputs: DVI, 3G-SDI, Composite,
power supply 100 – 240 VAC, 50/60 Hz
including:
Power supply
- 9826NB-US-SP **26" Polycarbonate Screen Protector** Anti-Glare Finish. Slides over monitor bezel for added impact protection.

Data Management and Documentation

KARL STORZ AIDA® HD Connect
Continuous first-class documentation!

Features and Benefits

- Still image capture and FULL HD video recordings
- Flexible user interface
- Ergonomic operation via touch screen and camera head buttons
- EMR-Enabled
- Retroactive capture (Just like TiVo)
- Improved workflow and user experience
- Individualized Surgeon settings
- Advanced surgical feedback
- Configurable mandatory patient information
- Direct Print – automatically prints imaging material
- Fully networkable
- Mpeg4 compression
- User based LDAP login option
- Audit logs for PHI access tracking

20205501-140 AIDA HD Connect,
HD documentation system for digital capture of still images, video sequences and audio files

Specifications:

Video Systems	- PAL - NTSC
Signal Inputs	- S-Video (Y/C) - Composite - RGBS - SDI - HD-SDI - DVI
Image Formats	- JPG - BMP

Video Formats	- MPEG4 - MPEG2 - MOV
Audio Formats	- WAV
Storage Media	- DVD+R - DVD+RW - DVD-R - DVD-RW - CD-R - CD-RW - USB flash drive



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Notes

Consent to receive electronic information



Yes, I agree to receive future information by email at the following address:

Email

Name _____

Department / Practice

Street address

ZIP, Town

Signature

I agree to my data being stored at KARL STORZ for this purpose. I can withdraw my consent at any time and without giving reasons by emailing KARL STORZ at info@karlstorz.com. KARL STORZ will not make these data available to third parties.



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