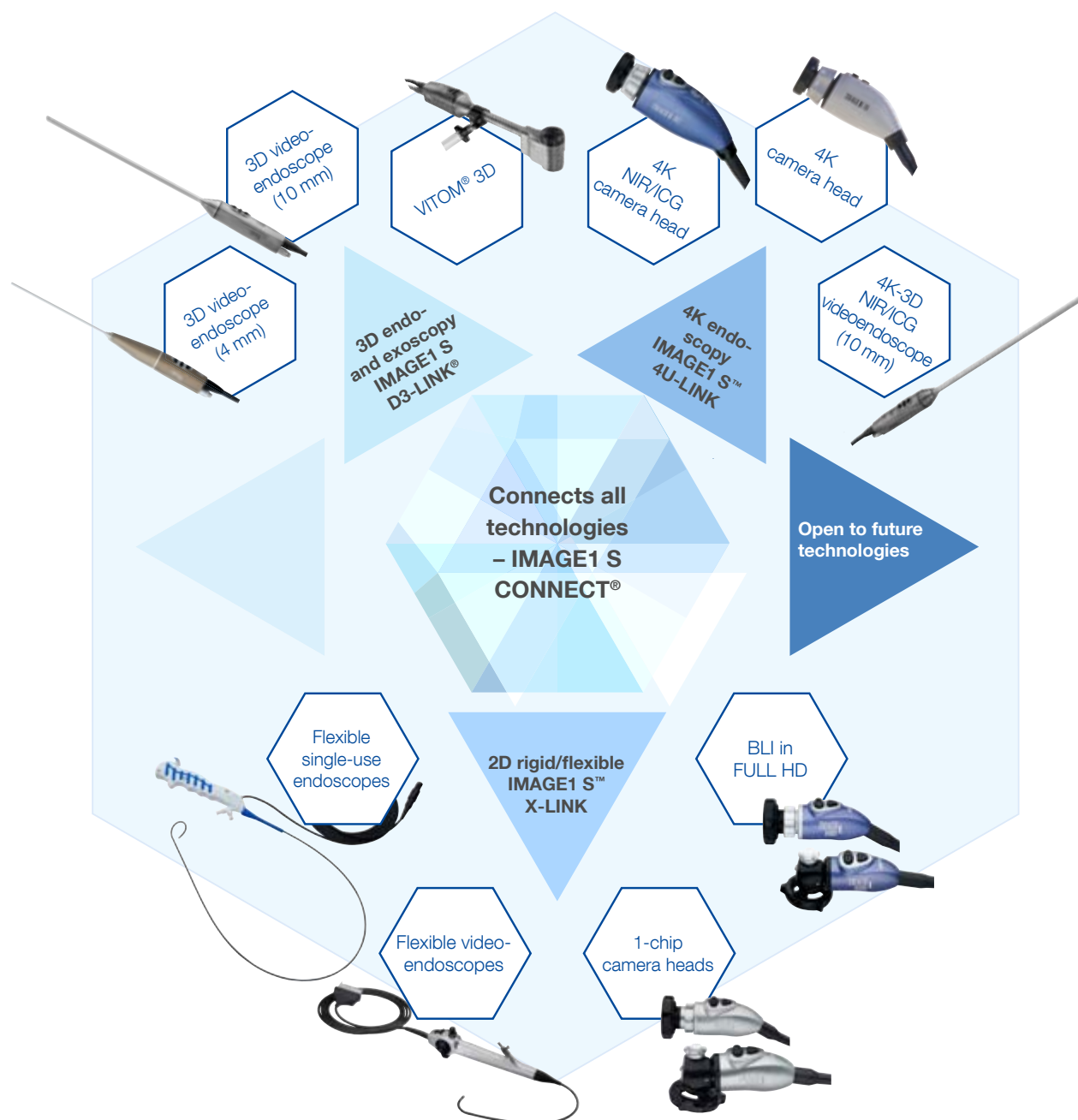


IMAGE1 S™

A Modular Camera Platform

SPECIFICATION SHEETS



HIGHLIGHTS

To meet the increased demands on visualization and account for greater complexity in minimally invasive surgery, KARL STORZ offers IMAGE1 S™, a modular camera system that gives users great flexibility both today and in the future. From FULL HD to 4K resolution, from 2D to 3D, white light or fluorescence imaging – the choice of system configuration lies with the individual user.

- A single connect module connects various link modules with different functionalities to enable interdisciplinary use and the easy integration of new modules into an existing system.
- S-Technologies provide various visualization options for the differentiation of tissue structures.

IMAGE1 S™

A Modular Camera Platform



SPECIFICATIONS

IMAGE1 S CONNECT® II TC201

GENERAL SPECIFICATIONS	
Signal output format	3840 x 2160 px
Fluorescence imaging (NIR/ICG)	Yes
Fluorescence imaging (BLI)	Yes
Automatic light source control	Yes
S-Technologies	CLARA, CHROMA, CLARA + CHROMA, SPECTRA* A, SPECTRA* B
INPUTS AND OUTPUTS	
Number of DisplayPort 1.2 outputs	2
Number of 12G-SDI outputs	1
Number of 3G-SDI outputs	1
Number of DVI-D outputs	1
Number of link input ports	3
Number of USB ports	2 Front 2 Rear
UNIT COMMUNICATION AND DOCUMENTATION	
Documentation type	ICM (Image Capture Module) via KARL STORZ USB flash drive
Unit communication SCB	Yes
Unit communication KS HIVE®	Yes
Other unit communication	AIDA® via TC009
Image format	JPEG
Image resolution (documentation)	3840 x 2160 px
Video format	MPEG-4
Video resolution (documentation)	1920 x 1080 px
POWER SUPPLY	
Power consumption	100–135 VA
Line frequency	50/60 Hz
Power supply	100–240 VAC
DIMENSIONS	
Width	305 mm
Height	54 mm
Depth	320 mm
Weight	3.1 kg
REGULATORY ENVIRONMENT	
IP protection class	IPX0
Electrical protection class	Protection class 1
Degree of protection	CF defib

* not for sale in the U.S.

IMAGE1 S™ 4U-LINK – TC304

- Link module for 4K and 4K/3D
- Compatible with IMAGE1 S™ 4U as well as IMAGE1 S™ 4U Rubina® camera head and TIPCAM®1 Rubina®
- 4K resolution and modern image processing technologies
- Fluorescence imaging NIR/ICG in combination with the Rubina® product family

**SPECIFICATIONS****IMAGE1 S™ 4U-LINK – TC304**

OUTPUTS	
Number of link outputs	1
POWER SUPPLY	
Power consumption	86 VA
Line frequency	50/60 Hz
Power supply	100–240 VAC
DIMENSIONS	
Width	305 mm
Height	54 mm
Depth	320 mm
Weight	1.86 kg
REGULATORY ENVIRONMENT	
IP protection class	IPX0
Electrical protection class	Protection class 1
Degree of protection	CF defib

IMAGE1 S™

A Modular Camera Platform

IMAGE1 S™ X-LINK – TC301

- Link module for flexible and rigid endoscopy
- Compatible with flexible videoendoscopes
- Compatible with IMAGE1 S™ HX camera heads
- Compatible with flexible single-use videoendoscopes (8-pin) from KARL STORZ in combination with Adaptor TC028



SPECIFICATIONS

IMAGE1 S™ X-LINK – TC301

OUTPUTS	
Number of link outputs	1
POWER SUPPLY	
Power consumption	62 VA
Line frequency	50/60 Hz
Power supply	100–240 VAC
DIMENSIONS	
Width	305 mm
Height	54 mm
Depth	320 mm
Weight	1.86 kg
REGULATORY ENVIRONMENT	
IP protection class	IPX0
Electrical protection class	Protection class 1
Degree of protection	CF defib

IMAGE1 S D3-LINK® – TC302

- Link module for FULL HD 3D technology
- For use with TIPCAM®1
- Visualization technologies for tissue differentiation are available in both 2D and 3D



SPECIFICATIONS

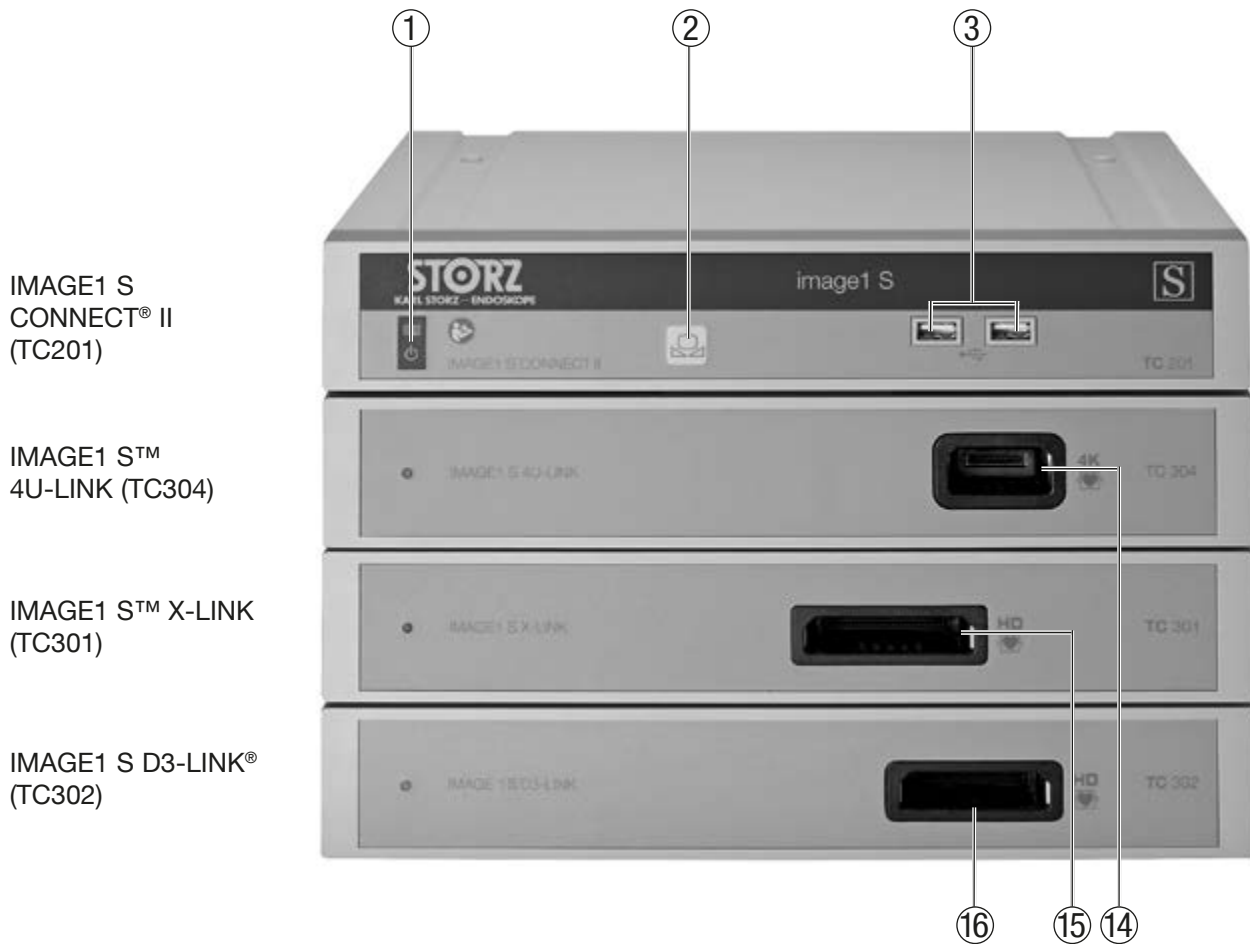
IMAGE1 S D3-LINK® – TC302

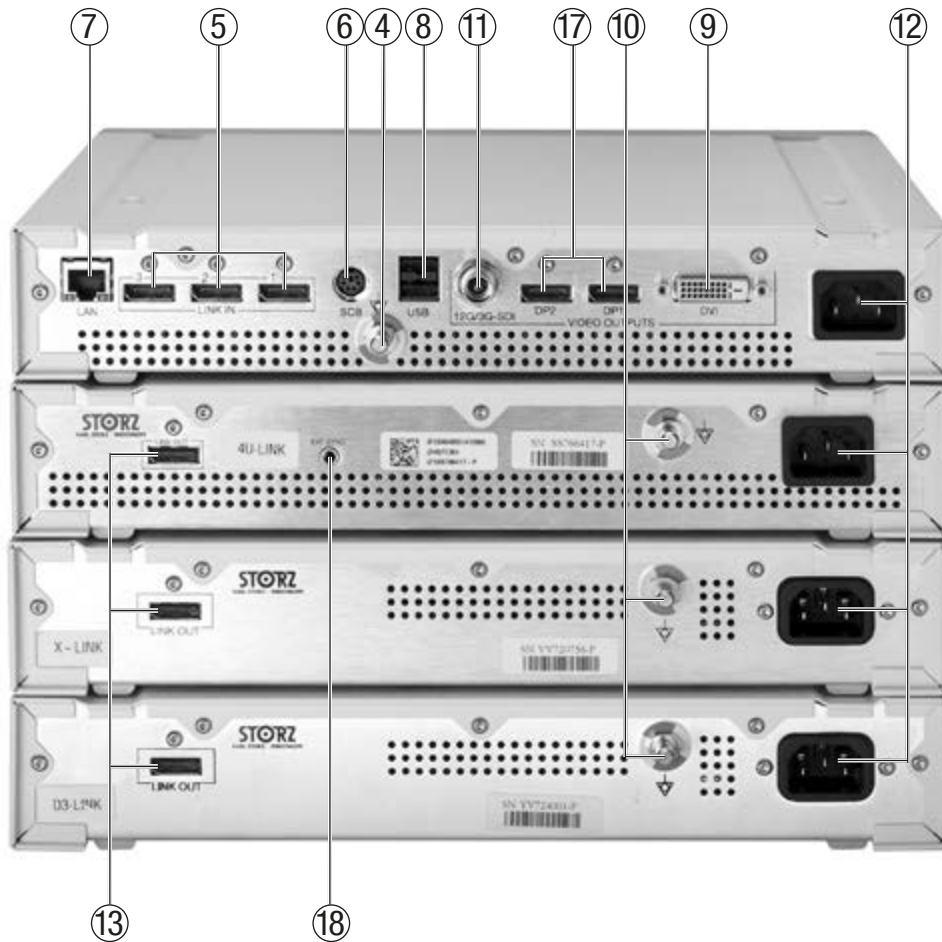
OUTPUTS	
Number of link outputs	1
POWER SUPPLY	
Power consumption	62 VA
Line frequency	50/60 Hz
Power supply	100–240 VAC
DIMENSIONS	
Width	305 mm
Height	54 mm
Depth	320 mm
Weight	1.86 kg
REGULATORY ENVIRONMENT	
IP protection class	IPX0
Electrical protection class	Protection class 1
Degree of protection	CF defib

IMAGE1 S™

A Modular Camera Platform

IMAGE1 S CONNECT® II TC201 in combination with 4U-LINK, X-LINK and D3-LINK modules





- | | |
|--|---|
| 1 Power switch | 10 Potential equalization connector |
| 2 White balance | 11 12G/3G SDI video output |
| 3 USB ports | 12 Mains socket |
| 4 Potential equalization connector | 13 LINK output |
| 5 LINK inputs | 14 4U-LINK camera connection |
| 6 SCB input/output sockets (KARL STORZ
Communication Bus) | 15 X-LINK camera connection |
| 7 LAN interface | 16 D3-LINK camera connection |
| 8 USB interface | 17 DisplayPort video output sockets |
| 9 HD DVI-D video output socket | 18 EXT SYNC connection (for future use) |

IMAGE1 S™

A Modular Camera Platform

SPECIFICATION SHEETS

It is recommended to check the suitability of the product for the intended procedure prior to use.
Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.



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