

H3-Z / H3-ZI Camera Head – The Fine Art of Imaging in Full HD Quality



The best just got better...

With the H3-Z / H3-ZI camera heads KARL STORZ proves once more technological leadership in the field of medical imaging. Both camera heads feature smaller outer dimensions and reduced weight for even more comfortable handling. Both camera heads have been equipped with the latest Full HD sensor technology and specifically adopted optical components thus providing best in class color reproduction and brightness.

With their bright, crystal clear and razor sharp images at any time, especially in critical light situations, the H3-Z / H3-ZI raises the bar in image quality and signal to noise performance. Efficiency and patient safety are assured even in the most demanding endoscopic imaging environments

The new, ergonomic design was tested by experts from various specialities who confirmed the versatility and excellent quality of these multi-purpose camera heads.

The H3-ZI camera head is specifically designed for cardiovascular surgeries. Its 0° inline cable exit provides significant ergonomic benefits for operations like endoscopic vein harvesting or for peripheral bypass surgery.

Preserving your investment...

At KARL STORZ our philosophy aims at a long and prosperous partnership with our customers. Solidly engineered products guarantee our customers high value retention. Due to our platform concept and modular design the H3 and H3-Z are 100% compatible with the existing camera control unit IMAGE 1 HUB™ HD.

A perfect couple...

The combination with the IMAGE 1 HUB™ with Image Capture Module (ICM) yields a powerful and versatile imaging system. Endoscope specific image processing provides optimum picture quality in all medical environments.

The Image Capture Module (ICM) rounds up the feature set through its documentation and printing capabilities via two USB ports for connecting printer and mass storage units.



Full HD and 16:9, see the difference...



- Full HD 1080p, high-sensitivity 3-chip CCD
- 16:9 aspect ratio for wide anatomically adopted vision
- Unsurpassed level of detail in combination with optical parfocal zoom

Optical & parfocal, the real zoom...



- Smooth 2x optical zoom without any artefacts
- No refocusing required through parfocal zoom technology

Push-button storage and printing...

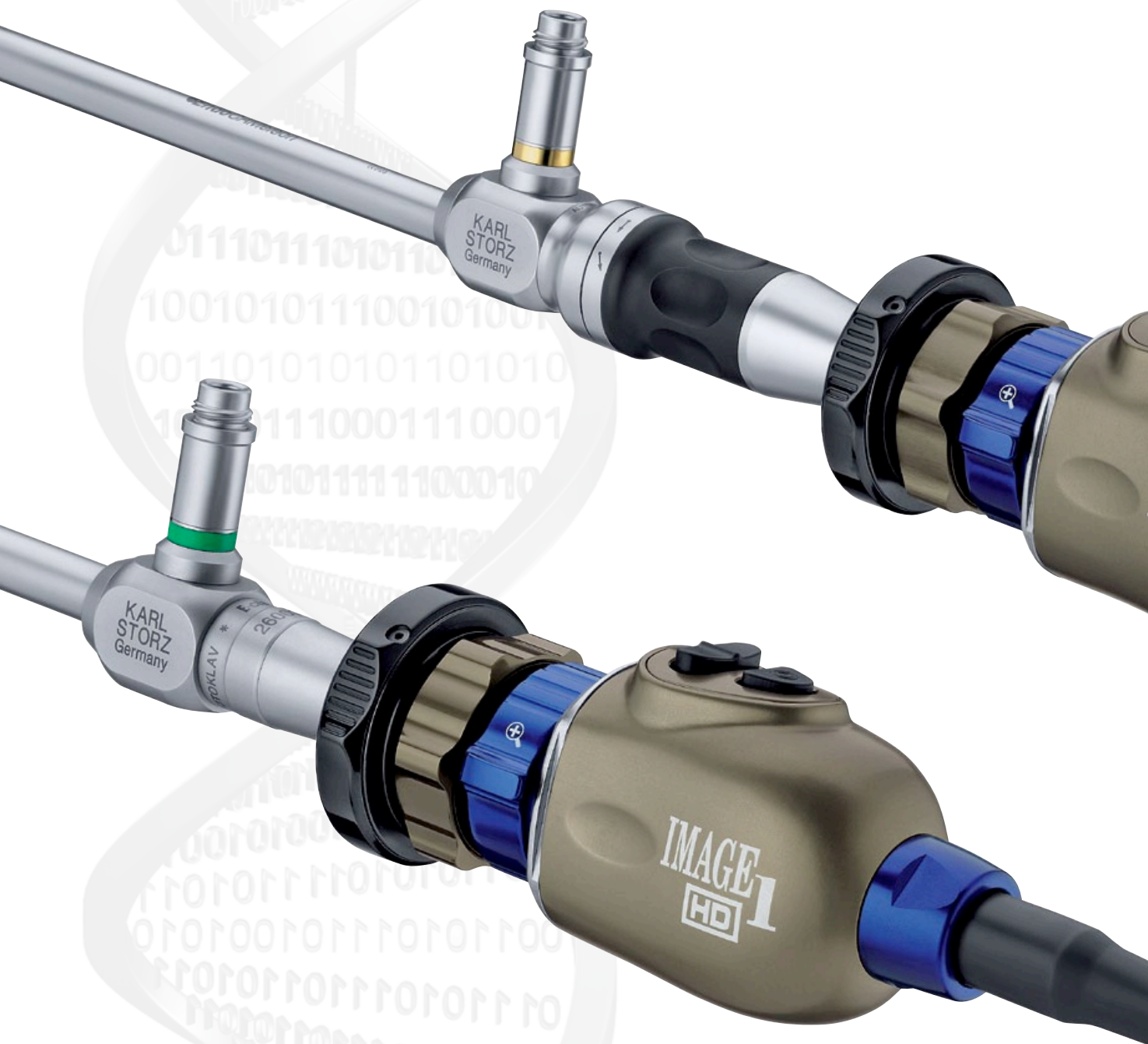


Camera head button control:

- Capture Full HD still images
- Record videos in SD
- Intuitive und easy to use
- Connect a USB-printer and storage devices



The Imaging Evolution Continues...





Perfect imaging at any time

- 1080p Full HD resolution for razor-sharp pictures without any latency
- Natural color reproduction for excellent image rendition

Ergonomics count

- Small and compact camera head concept
- Weight balanced design with ergonomically located push buttons
- Single handed operation of optical zoom and focus ring

In full control

- All important functions at your finger tips
- Programmable head buttons for image capture, white balance, etc.

Powered by know-how and experience

- 3 chip Full-HD CCD technology built in
- High quality components guarantee outstanding image quality in all medical environments

CF Defib

- The camera system is rated CF with Defibrillation, the highest safety rating according to EN 60601-1

Inline design

- H3-ZI with 0° cable exit – ergonomically optimized for vein transplantation or surgeries which require camera head grasping from below
- Ideal for cardiac and thoracic surgery

The perfect set for superior imaging and documentation of your choice



222010 11U110 **IMAGE 1 HUB™ HD Camera Control Unit SCB, with ICM module,**

for use with IMAGE1 FULL HD and IMAGE1 standard one- and three-chip camera heads, max. resolution 1920 x 1080 pixels, with integrated ICM (Image Capture Module), KARL STORZ-SCB and digital Image Processing Module, color systems **PAL/NTSC**, power supply 100–240 VAC, 50/60 Hz including:

- Mains Cord**
- BNC/BNC Video Cable**
- S-Video (Y/C) Connecting Cable**
- Special RGBS Connecting Cable**
- 2x Connecting Cable**, for controlling peripheral units
- DVI-D Connecting Cable**
- SCB Connecting Cable**
- Keyboard**, with US English character set

222010 11U1 **Same, but without ICM module**

222010 11U112 **Same, with ICM module and SDI module**



222200 55-3 **50 Hz IMAGE1 H3-Z** **60 Hz Three-Chip FULL HD Camera Head,**

max. resolution 1920 x 1080 pixel, progressive scan, soakable, gas- and plasma-sterilizable, with integrated Parfocal-Zoom Lens, focal length $f = 15 - 31$ mm (2x), 2 freely programmable camera head buttons, for use with color systems PAL/NTSC



222200 53-3 **50 Hz IMAGE1 H3-ZI** **60 Hz Three-Chip FULL HD Inline Camera Head**

0° cable outlet (inline) max. resolution 1920 x 1080 pixel, progressive scan, soakable, gas- and plasma-sterilizable, with integrated Parfocal-Zoom Lens, focal length $f = 15 - 31$ mm (2x), 2 freely programmable camera head buttons, for use with color systems PAL/NTSC

Additional units for advanced imaging, documentation and archiving



9524 NB **24" HD WIDEVIEW Monitor**

wall-mounted with VESA 100 adaption, color systems PAL/NTSC, max. screen resolution 1920 x 1200, image format 16:10, power supply 100 – 240 VAC, 50/60 Hz

including:

Power Supply

Mains Cord

Signal cables: DVI-D, BNC

9526 NBL **26" HD Monitor with LED-Backlight**

Resolution 1920 x 1080

Video Inputs: 2x DVI, 2x 3G SDI, VGA, RGB, S-Video, Composite

Video Outputs: DVI, 3G SDI, RGB, S-Video

including:

Power Supply

Mains Cord

Signal cables: DVI-D, BNC

9526 SF **Stand**

compatible for Flat Screens 19", 23", 24", 26"



200409 13-EN*

KARL STORZ AIDA® compact NEO advanced documentation system for digital storage of still images, video sequences and audio files, power supply 115/230 VAC, 50/60 Hz

including:

KARL STORZ AIDA® control NEO, with integrated DVD/CD writer, Blu-ray reading possible

AIDA compact HD-Frame Grabber-Board

PS/2 Compact Keyboard, US-version, with cover

KARL STORZ AIDA® compact NEO Software, with voice control and software protection

KARL STORZ USB Stick, 2 GB

2x Connecting Cable, for controlling peripheral units, length 180 cm

BNC/BNC Video Cable, length 180 cm

BNC Connecting Cable, length 30 cm

DVI-D Connecting Cable, length 180 cm

Mains Cord

Connecting Cable, Mini-DIN Plug to BNC socket, length 150 cm

200409 12-EN*

KARL STORZ AIDA® compact NEO standard documentation system for digital storage of still images, video sequences and audio files, power supply 115/230 VAC, 50/60 Hz



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