

## IMAGE 1 HUB™ HD – The Generation of Excellence



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The IMAGE 1 HUB™ HD family constitutes the backbone of the KARL STORZ FULL HD Imaging System. The 1,920 x 1,080 resolution of the camera control unit (CCU) and the progressive scanning method guarantee interference-free image and natural image reproduction. Time-efficiency combined with maximum patient safety mark a new milestone in the evolution of endoscopic imaging.

The entire IMAGE 1 camera control unit family features the STORZ Communication Bus (SCB). This unique property allows for the integration of the camera control unit with other KARL STORZ devices into a highly connected endoscopic surgery system controllable by the camera head buttons or a central touch screen.

The monitor overlay of status information like light intensity and flow is provided to the surgeon along with easy access to crucial control functions. Light sources and insufflators, all device controls united in one hand!

The subsequent installation of additional connectivity options is supported by an optional slot concept. One example is the dual SDI output for long range video data transmission.



No separate image capture box is required to print or archive still images or video with the camera control units IMAGE 1 HUB™ HD with ICM and IMAGE 1 HD with ICM. Front and rear USB connectors allow for simultaneous connection of USB mass storage device and printer. Still images can be captured in FULL HD resolution whereas videos are captured in SD resolution. Push button, out of the box image printing is supported for USB printers. Two USB flash drives come with the delivery.

Integrated image enhancement and brightness control complement the standard feature set. Special fiberscope modes allow excellent image quality for interventions with flexible telescopes and small scopes.

IMAGE 1 Camera Heads, regardless of whether they are high definition, standard definition or designed for videoendoscopy, will continue to work in conjunction with the IMAGE 1 HUB™ Camera Control Unit. The KARL STORZ philosophy aims at a long and future-oriented partnership with our customers.



## IMAGE 1 HUB™ HD Camera Control Unit SCB with Image Capturing Module (ICM)



22 2010 11 U110

Our standard FULL HD camera control unit with both HD and SD head receptacle. Augmented with ICM module, the unit allows printing as well as still image, movie capture and out of the box image printing by a simple push of a camera head button to suitable USB devices. The CCU is ready for OR integration through its SCB interface. Optionally the unit can be equipped with an SD-SDI interface for long range video signal transmission.



## IMAGE 1 HD with Image Capturing Module (ICM)



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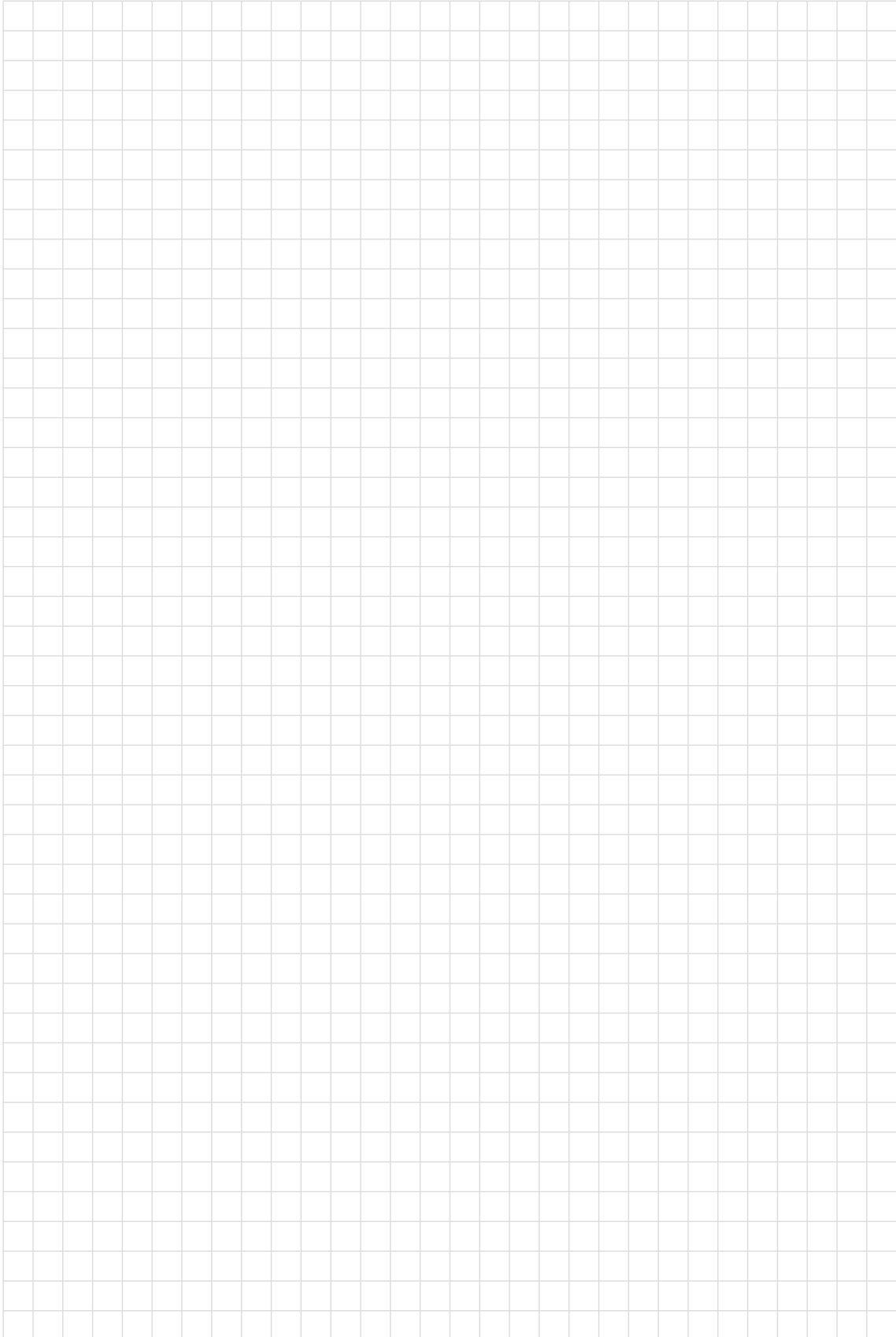
The most economic way of getting FULL HD to the operating theatre! This solution is ideally suited for those who have no standard definition legacy camera equipment and want to start with the best possible image quality on the market. The FULL portfolio of 3-chip HD camera heads are supported by this CCU. The unit is ready for OR integration through the SCB and comes with a dual DVI output interface. The optional ICM module functionality allows capturing videos and still images as well as printing to suitable USB devices

## Overview

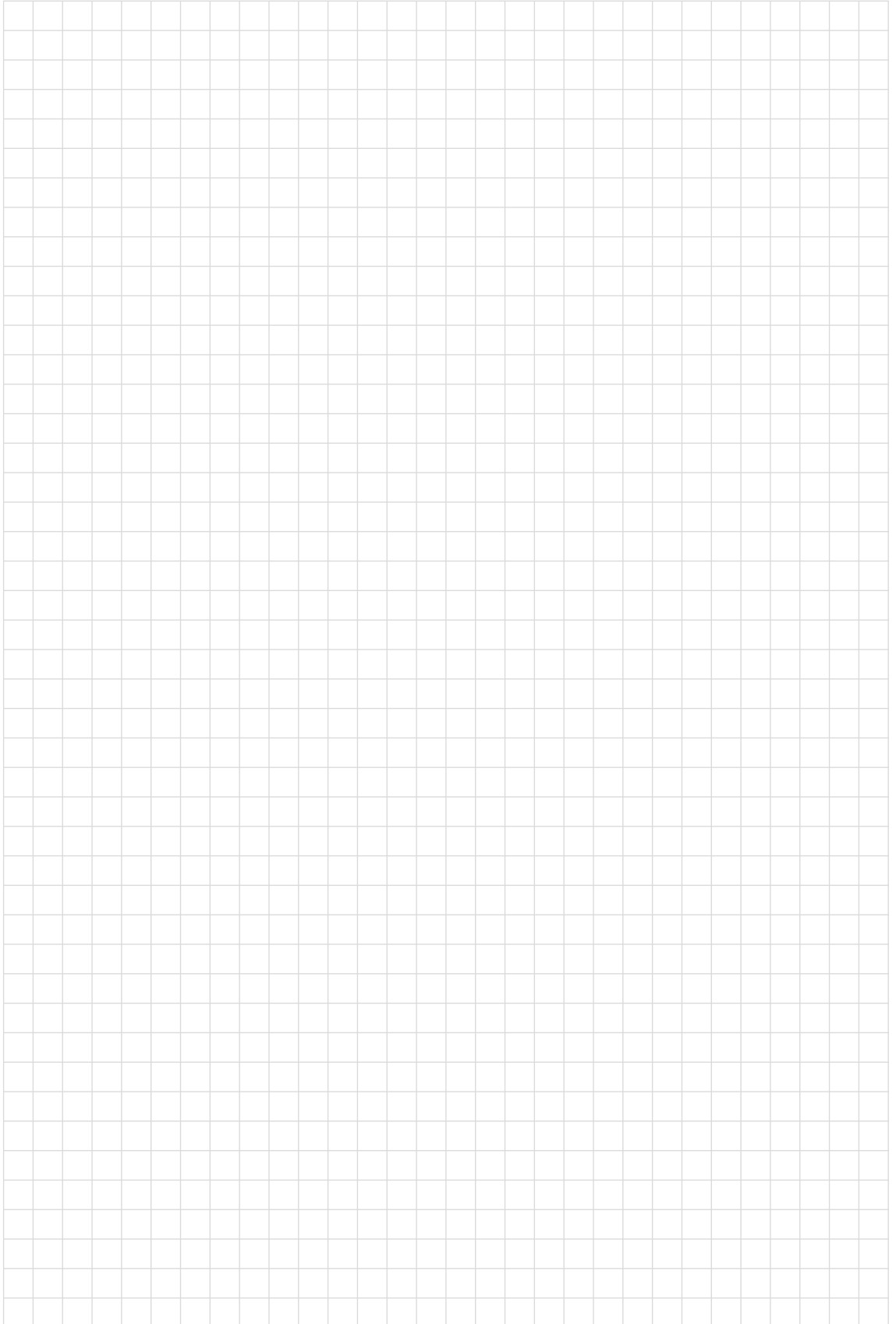
| Camera Heads   |                                    | Camera Control Units   |  |
|--|------------------------------------|--|--|
|  |                                    | <br><b>IMAGE 1 HUB™ HD</b><br><b>22 2010 11 U1xx</b> | <br><b>IMAGE 1 HD</b><br><b>22 2020 11 U1xx</b> |
| Designation  | Cat.-No.<br>(PAL/NTSC)             |  |  |
| <b>IMAGE 1 H3-Z</b>  | <b>22 2200 55-3</b>                | x  | x  |
| <b>IMAGE 1 H3-P</b>  | <b>222200 56-3</b>                 | x  | x  |
| <b>IMAGE 1 H3-ZI</b>   | <b>222200 53-3</b>                 | x  | x  |
| <b>IMAGE 1 H3-FA</b>   | <b>222200 60-3</b>                 | x  | x  |
| <b>IMAGE 1 H3-ZA</b>   | <b>222200 61-3</b>                 | x  | x  |
| <b>IMAGE 1 H3-Z FI</b>   | <b>222200 85-3</b>                 | x  | x  |
| <b>IMAGE 1 H3-M Coview</b>   | <b>22 2200 54-3</b>                | x  | x  |
| <b>IMAGE 1 F3</b>  | <b>22 2200 33-3 / 22 2201 33-3</b> | x  |  |
| <b>IMAGE 1 P3, f = 14</b>  | <b>22 2200 31-3 / 22 2201 31-3</b> | x  |  |
| <b>IMAGE 1 D1</b>  | <b>22 2600 31-3 / 22 2601 31-3</b> | x  |  |
| <b>IMAGE 1 VE Adaptor<br/>(for connection of video<br/>endoscopes)</b> | <b>222000 77 / 222001 77</b>       | x  |  |
| <b>Video Uretero-<br/>Renoscope FLEX-X C</b>                           | <b>11278VK / 11278VUK</b>          | x  |  |

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## Notes



## Notes





ENDOWORLD®

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