

Digital microscope cameras

dhs-MicroCam®



The choice of source in the digital world of images is enormously important. This is why our dhs Solution offering comes with its **own digital microscope camera series** – dhs-MicroCam®. **dhs-MicroCam®** is used in light microscopy, stereo microscopy and macroscopy. Our cameras can be adapted as an image source to all optical systems using the **standardised C-mount thread**.

Technical details

The signals from all cameras are transferred to the PC via **USB 3.0 interface**. The modern CMOS-sensors enables

- high signal processing
- **fast live image**
- high light sensitivity of the pixels
- optimum color rendering

A fast positioning and focusing of your examination objects, as well as the detailed representation of structures of your samples allows professional image processing and analysis.

With a **variety of sensor sizes** (1/4", 1", 1/1.2", 2/3") and **resolution variants** (1.3, 2.2, 4 and 5 Mpix) we feature the right image source for each scenario.

The connection to PC (of all dhs-MicroCams®) is realised with a **3-metre USB-cable** (image transfer and power supply). The cable is **included in delivery**.



All dhs-MicroCams® are **integrated into dhs Image Data Base** and dhs-Basic through their software. As a result, all convenient tools such as

- **live image functions** and
- **parameter setting and saving** are available to you.

Information in the overview

- Professional microscope cameras with a range of different resolutions and modern CMOS -sensors
- Large and fast live image
- optimum color rendering
- C-mount thread enables connection to standard microscopes, macroscopes, endoscopes and lenses
- PC connection via fast USB 3.0 interface (3-metre cable included)
- Compact dimensions
- MC 2213 with Sony-sensor and 16:9 aspect ratio on monitor

Technical details of all dhs-MicroCams® in the overview

	dhs-MicroCam® 1313	dhs-MicroCam® 2213
Sensor technology	Color-CMOS	Color-CMOS
Sensor size	1/2"	1/1.2"
Resolution (h x v)	1280 x 1024 Pixel	1936 x 1216 Pixel
Resolutionscategory	1.31 Megapixel	2.23 Megapixel
Pixel size	4.80 µm	5.86 µm ²
Color depth	8bit (10bit ADC)	8 bit (12bit ADC)
Exposure time	4 µs - 2000 ms	19 µs - 30.000 ms
Objectiveadapter	C-Mount	C-Mount
Shuttersystem	Global	Global
Max. Framerate	60 fps	161 fps
Datatransfer	USB 3.0	USB 3.0
Dimensions (H x B x T)	29 x 29 x 29 mm	29 x 29 x 29 mm
Weight	52 g	52 g

	dhs-MicroCam® 4013	dhs-MicroCam® 5013/2
Sensor technology	Color-CMOS	Color-CMOS
Sensor size	1"	2/3"
Resolution (h x v)	2048 x 2048 Pixel	2456 x 2054 Pixel
Resolutionscategory	4 Megapixel	5 Megapixel
Pixel size	5.50 µm	3.45 µm
Color depth	8bit (12bit ADC)	8bit (12bit ADC)
Exposure time	7 µs - 500 ms	27 µm - 999 ms
Objectiveadapter	C-Mount	C-Mount
Shuttersystem	Global	Global+Rolling Start
Max. Framerate	75 fps	36 fps
Datatransfer	USB 3.0	USB 3.0
Dimensions (H x B x T)	29 x 29 x 29 mm	29 x 29 x 29 mm
Weight	44 g	52 g

We like to advise you personally which camera is suitable for your **application** and your **current software version in use** - speak to us!

dhs Dietermann & Heuser Solution GmbH

Herborner Str. 50
35753 Greifenstein-Beilstein
GERMANY

Phone: +49 (0)27 79 91 20-0

Fax: +49 (0)27 79 91 20-99

Email: vertrieb@dhssolution.com

Web: www.dhssolution.com

dhs
Image Data Base

dhs
Micro Cam

dhs
Cleanalyzer

dhs Image Data Base, dhs-MicroCam® and dhs-Cleanalyzer are trademarks of dhs Dietermann & Heuser Solution GmbH. All technical data and information in this brochure are correct at the time of going to press (01-2019). Errors and omissions excepted. Subject to change.