

FINDING THE RIGHT CAMERA FOR YOUR DOCUMENTATION AND IMAGING

Camera **IC90 E/ICC50 E/ICC50 W**
Integrated CMOS cameras

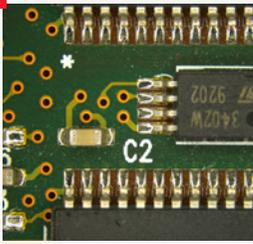
Performance

The cost effective camera for retrofit. No need to buy a new phototube since the camera fits between the microscope and the tube. All of them generate HD color images, which can be displayed directly on a monitor. The ICC50 W features in addition Wi-Fi and the ICC50 E / IC90 E Ethernet capabilities.

Sensor 10 MP/5.0 MP CMOS
Pixel size 1.7 x 1.7/2.3 x 2.3 µm
3648 x 2736/2592 x 1944 pixels
8 bit A/D converter
38 fps (HDMI 1280 x 760) IC90 E
28 fps (640 x 480)
12 fps (1440 x 1080)

Application Ideal cameras when both – documentation and **fast live display** on a monitor are needed. In addition it can be connected with a USB 2.0 to a PC and used with all functionalities of the LAS X software.

Image Example PCB



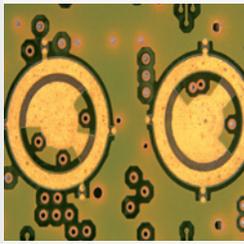
MC170 HD / MC190 HD
CMOS cameras

These cameras deliver fast HD live images, which can be directly displayed on a full HD monitor without the need for a PC and stored on a SD card. The acquisition is controlled via handheld remote control unit and can also be used in the LAS X software.

5.0 MP/10.0 MP CMOS
Pixel size 2.4 x 2.4/1.7 x 1.7 µm
3648 x 3648/2592 x 1944 pixels
10 bit A/D converter
30 fps (HDMI 1920 x 1080)
10 fps (PC 1600 x 1200)

Developed for **high speed live display** on full HD monitors and stand-alone image capture or video documentation. Or connect to a PC with USB 2.0 and enjoy the capabilities of LAS X software for measurements, annotations, and report.

Printed Circuit Board



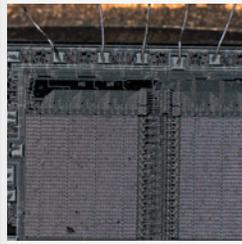
DMC2900
High-Speed CMOS camera

Fast CMOS camera with excellent color fidelity for fast imaging. This camera offers advanced features like 8 and 10 bit color, and fast USB 3.0 connection. The pixel size matches high-resolution objectives from Leica Microsystems.

3.1 MP CMOS
Pixel size 3.2 x 3.2 µm
2048 x 1536 pixels
10 bit A/D converter
12 fps (full frame)
30 fps (2 x 2 binning)

Best suited for **color, black & white documentation and fast imaging** of brightfield, phase contrast, DIC, and polarization techniques. It is the camera of choice for fast applications such as tile scan, z-stacks.

Bonding on a Chip



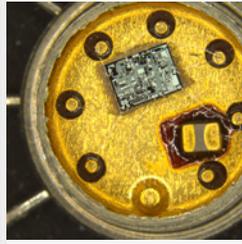
DMC4500
Color CCD camera

The DMC4500 is capable of acquiring color images at the quality level of a CCD sensor. Also features various binning modes and automatic brightness correction.

5.0 MP CCD
Pixel size 3.4 x 3.4 µm
2560 x 1920 pixels
14 bit A/D converter
9 fps (full frame)
18 fps (2 x 2 binning)

All purpose camera for **color documentation** at large field of view, e.g. in combination with tile scanning of a large sample or fast z-stacking. Accommodates all brightfield contrast methods. Ideal for later image analysis and measurements.

IC Chip



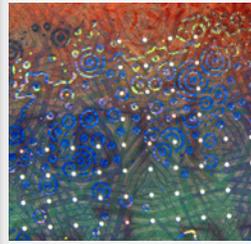
DMC5400
High-Resolution CMOS camera

This high-resolution color camera offers many resolutions to match the demands of large overviews and high magnification with one camera. True-color calibration provides natural color reproduction. The camera has a USB 3.0 interface.

20.5 MP CMOS sensor
Pixel size 2.4 x 2.4 µm
5472 x 3648 pixels
3 x 12 bit A/D converter
7 fps (full frame)
32 fps (3 x 3 binning)

Due to its excellent color reproduction it is ideally suited for the **documentation, evaluation, and analysis** of industrial samples. Save all information in just one high quality image. Capture images with high dynamic range for a maximum of detail in light, as well as dark areas in one shot.

Swiss Banknote



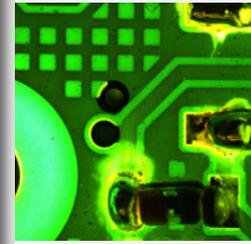
DMC6200
Pixel Shift CMOS Camera

The DMC6200 provides super fast image acquisition and delivers precise color information in every pixel. Even the most subtle color differences are detected through multiple sampling. The camera features a back illuminated Sony Exmor CMOS sensor with astonishing 73 dB.

2.3 - 20.7 MP CCD
Pixel size 5.86 x 5.86 µm
1920 x 1200 – 5760 x 3600 pixels
3 x 16 bit
30 fps (1920 x 1200)

Flexible color camera for **ultra-high resolution brightfield** documentation with unsurpassed color fidelity and **good fluorescence documentation** of samples, such as PCB, lubricants, and fibers.

PCB (GFP2)



CAMERA PORTFOLIO FOR INDUSTRIAL APPLICATIONS

A perfect match to your application

Your benefits:

- High-Definition (HD) display directly on a monitor allows discussion of findings with a larger group
- In combination with Leica microscopes, and software, cameras from Leica deliver outstanding images and are supported with all the relevant microscope parameters to delivery a complete documentation
- Even fine structural and color details can be distinguished due to appropriate pixel sizes for every desired microscope magnification
- Leica offers cameras for stand-alone operation and fast cameras for demanding applications like tile scan, z-stacks, or the combination of both

- Color camera
- High-Definition camera
- All contrast methods (except fluorescence)
- Dedicated fluorescence camera
- 4K resolution