

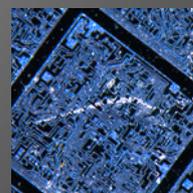
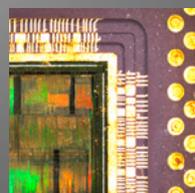
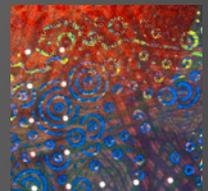
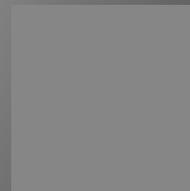
From Eye to Insight



Imaging in Manufacturing and Life Science Research

EVERY DETAIL COUNTS

CMOS Microscope Camera
DMC5400 with 20 MP

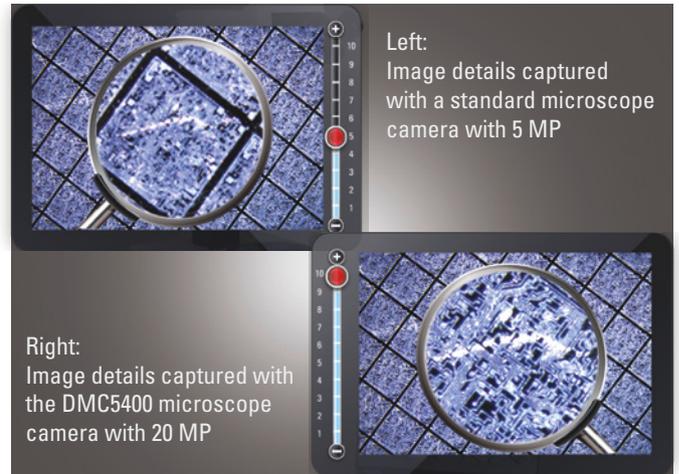
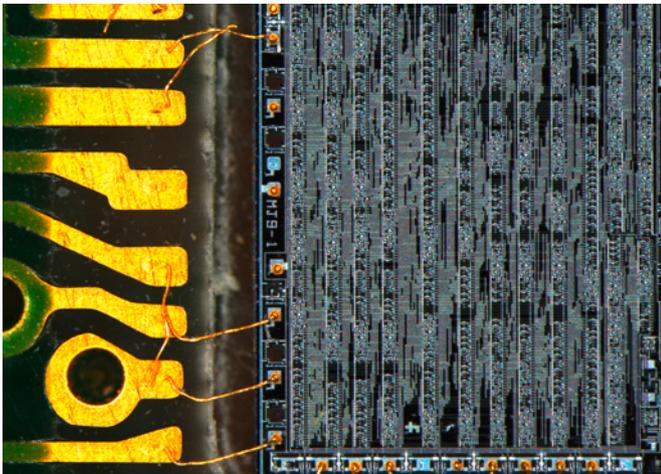




GET THE MAX FROM YOUR IMAGE

See what you need to see without compromises

The DMC5400 microscope camera from Leica Microsystems offers high-resolution color images at high frame rates, even at low magnification. It is optimized to produce fast, high quality images for documentation, evaluation, and analysis for a wide variety of samples and applications in manufacturing and life science research.



Get your image fast

Take images at low light and at any magnification with the built-in CMOS sensor and high sensitivity.

- > Benefit from 40 frames per second (fps) for fast focusing and positioning of your samples
- > Enjoy working with correct image exposure automatically determined in less than one second
- > Experience the latest Sony Exmor R sensor technology for high definition movies and great images
- > Capture images with high dynamic range for a maximum of detail in light, as well as dark areas

Every pixel counts

The 20 MP CMOS sensor of the DMC5400 camera enables you to capture all details of your sample in one single shot.

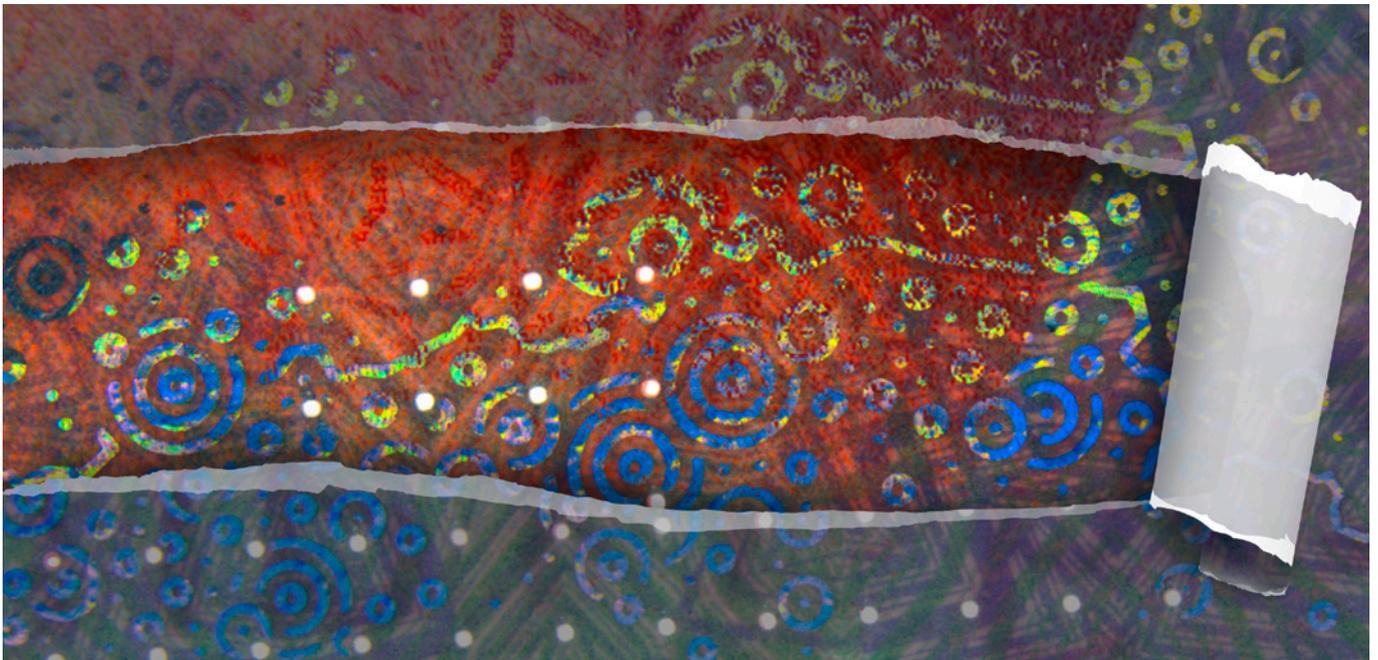
- > Save all information from your microscope at every magnification in one image as the camera doesn't limit your microscope's optical resolution
- > Capture images with up to 4x more resolution than with conventional 5 MP microscope cameras this saves media storage space as you get the same amount of data with fewer images
- > Experience high-speed imaging in full resolution for real-time images of your samples, e.g. with 15 fps at 20 MP
- > Explore microscope images with 4K resolution (15 fps)



SEE AND RELY ON NATURAL COLORS

Faithful colors for impressive image quality

Capture the exact same that your eyes see when looking through the microscope. The DMC5400 camera produces pin-sharp images with unsurpassed color accuracy. Enjoy outstanding image fidelity with faithful color rendering, specially customized to the Leica LED illumination. The DMC5400 is true-color calibrated and provides an unbelievably natural color reproduction. Ideal color temperatures for your applications are automatically selected from a set of parameters in the Leica Application Suite X (LAS X) software.



Swiss bank note: upper image captured with the camera DFC495 and lower image captured with the new DMC5400.

SPECIFICATIONS

	DMC5400
Sensor	Sony, CMOS Exmor R rolling shutter
Sensor size	1"
Pixel size	2.4µm x 2.4µm
No. of pixels	20.5 megapixel
Live image formats	Aspect ratio 3/2 > 20 MP Full frame 5472 x 3648 - 7 fps > 5 MP 2x2 Bin. 2736 x 1824 - 19 fps > 2.3 MP 3x3 Bin. 1824 x 1216 - 32 fps Aspect ratio 16/9 > 4K 3840 x 2160 - 13 fps > Full HD 1920 x 1080 - 30 fps All formats are also available for image capture mode.
Bit depth image	3 x 8 bit & 3 x 12 bit
Readout noise	4e-
Saturation capacity	15'000 e-
Dynamic range	71 dB, 3500:1
Quantum efficiency	67% @ 536 nm
Cooling	none
Exposure time	1 ms to 10 s
Gain	1x to 10x
Article number	12 730 531
Recommended C-Mount	1.0x (10 450 829) stereo microscope 1.0x (11 541 510) light microscope
Software PC	> LAS X 3.4.1 or higher + Software Update (Win7, Win10) > LAS 4.13 or higher (Win7, Win8/8.1,10) In LAS automatic selection of white balance is not available, frame rates are expected to be lower (70% of the values above is reached).
Interface	USB 3.0

CONNECT
WITH US!



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