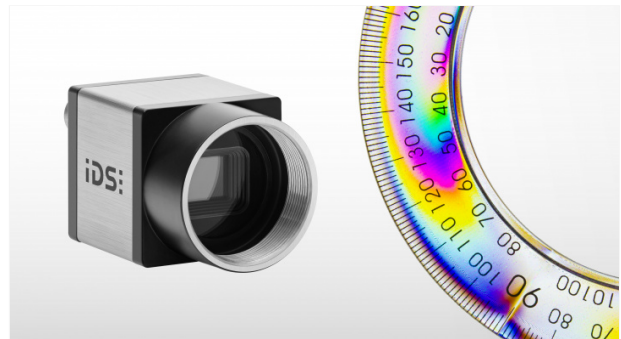




uEye polarisation cameras with on-camera data pre-processing

IDS cameras visualize and filter polarised light without a computer

A firmware update enables our uEye CP polarisation cameras to independently determine the direction and degree of polarised light through on-camera pixel preprocessing. Selectable image components filter or visualize disturbing light reflections directly from the sensor raw data and make object features visible even before the image is transmitted to the PC.



Specially developed algorithms provide optimal output data for proven image processing processes. As with a light switch, they simply switch off disturbing cross-fades and reflections in the image or increase contrast ratios of fine structures by visualising the degree of polarisation. With two colour formats, even voltages in transparent materials can be made easily visible by an angle-dependent colour display of the polarised light component.

Thanks to GigE Vision and USB3 Vision interfaces, the new image formats are available to any GenICam-compliant application as result data without additional pixel calculations. This saves PC resources and provides useful output data for further image processing in real time and at the camera's full frame rate.

With our modern software development kit IDS peak, you can update the firmware of your uEye polarisation camera yourself. With the Vision Cockpit, all new firmware features can be tested immediately.

[You can find the latest firmware in the download area on our website after selecting your camera model.](#)

→ [To the cameras](#)

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