

Sharp images even with varying object distances

IDS extends selection of automatically focusable board-level cameras

Thanks to their practical autofocus function, uEye LE AF industrial cameras deliver perfectly focused images even with frequently changing object distances. IDS Imaging Development Systems GmbH now offers additional camera variants with 2.1 and 3.1 MP Sony sensors which provide more flexibility in terms of application design and camera integration. For the first time, the company also offers models with upright USB Type-C alignment in this product family.

In addition to the previously available uEye LE AF cameras with 6.4 MP (IMX178, 58 fps) and 18.1 MP (AR1820HS, 20 fps) sensors, customers can now also purchase models with 2.1 (IMX290, 120 fps) or 3.1 MP (IMX265, 80 fps). All cameras feature a USB 3.1 Gen 1 interface, USB Power Delivery – which can be used, for example, to power an LED light source or a photoelectric sensor – and allow the use and control of liquid lenses.

The autofocus function ensures sharp images in the blink of an eye, even if the lens is not physically accessible or if the distance between the lens and the object changes frequently. The board-level cameras are therefore particularly well-suited for applications in fields such as logistics (e.g. for parcel acceptance and sorting) or traffic monitoring. Due to their compact design with dimensions of only 36 x 36 x 20 mm they also prove their strengths in embedded vision systems. This means that they are also interesting for integration into small medical or industrial devices.

Further information:

<https://en.ids-imaging.com/store/products/cameras/ids-interface/usb-3.1-gen.-1/ids-family/le/ids-camoptions/autofocus.html>

Illustration (© IDS Imaging Development Systems GmbH):



uEye LE AF camera models from IDS feature a practical autofocus function

About IDS Imaging Development Systems GmbH:

The industrial camera manufacturer IDS Imaging Development Systems GmbH develops high-performance, easy-to-use USB, GigE and 3D cameras with a wide spectrum of sensors and variants. The almost unlimited range of applications covers multiple non-industrial and industrial sectors in the field of equipment, plant and mechanical engineering. In addition to the successful CMOS cameras, the company expands its portfolio with vision app-based, intelligent cameras. The novel image processing platform IDS NXT is freely programmable and extremely versatile.

Since its foundation in 1997 as a two-man company, IDS has developed into an independent, ISO-certified family business with more than 300 employees. The headquarters in Obersulm, Germany, is both a development and production site. With branches in the USA, Japan, South Korea and UK as well as other offices, IDS is represented internationally.

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