

## PRESS RELEASE

### **Lector<sup>®</sup>642: A highly efficient solution for code reading applications**

Waldkirch/Stuttgart, February 2015 – Lector<sup>®</sup>642 is the name of SICK's new image-based code reader product family, which offers the ideal performance package for demanding code reading applications. Changing object heights and reading distances, wide visual ranges, randomly aligned 1D and 2D codes, and fast transport speeds are just some of the challenges that the Lector<sup>®</sup>642 can overcome, thanks to features such as its high camera resolution, and fast serial image shooting and decoding functions. It also offers a variety of fieldbus options and extensive analysis functions.

The Lector<sup>®</sup>642 code reader is available in a “Flex” version with individually adjustable illumination settings and lenses, making it a technically and economically efficient solution with a great deal of flexibility when it comes to applications.

The “PANORAMA” accessory part for all Lector<sup>®</sup>642 and Lector<sup>®</sup>65x models makes it possible to achieve a field of view that is about 50% larger with the same code resolution.

The Lector<sup>®</sup>642 boasts a resolution of 1.7 MPixel, meaning the device can reliably identify a standard 1D code with a line width of 0.35 mm in a reading field with a width of 400 mm. Whether bar code, Data Matrix, MaxiCode, or QR code – powerful decoding algorithms ensure that even codes with poor levels of contrast or areas that have been damaged can reliably be detected and evaluated.

#### **Easy operation from the word “go”**

It goes without saying that the Lector<sup>®</sup>642 code reader offers easy integration, without the need for significant training. Serial interfaces, I/Os, USB, CAN, and Ethernet-based fieldbuses, such as TCP/IP, Ethernet/IP, and PROFINET, are already integrated in the code readers, as are the function blocks. Other fieldbuses, e.g. PROFIBUS, are available in the form of connection modules. During device setup, the optimum settings can be established quickly thanks to function buttons and auto-setup, and alignment is

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facilitated by the integrated target laser. Optical and acoustic feedback signals provide support during commissioning and when actually operating the device. This allows images and read data to be collated and interpreted before being used to generate statistics and deduce trends.

### **Designed for logistics and factory automation**

Common applications of the Lector<sup>®</sup>642 code reader involve automated sorting processes within the field of intralogistics. However, even manual handling and sorting processes can be semi-automated with the Lector<sup>®</sup>642. The code readers' full potential is utilized in the field of factory automation, such as when identifying tires and in the end-of-line area of packaging systems.

With the matrix-image-based code readers in the Lector<sup>®</sup>642 product family, SICK is adding to its portfolio of "4D*pro*" identification solutions and is able to offer a complete range of products consisting of laser scanners, line cameras, matrix code readers, and RFID systems.