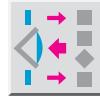# Vision Sensors, Smart Cameras, 3D Cameras, Vision Accessories

Vision Sensors

- The Vision Sensors of SICK are easy to use, rugged and reliable. They are designed to do application-specific tasks where a standard sensor would not work. SICK provides Vision Sensors from part presence and identification to colour sorting and recognition. The SICK Vision Sensors are easy to set up and manage. With a teach-in and initial configuration, the devices are ready for immediate operation in the production line.

Smart Cameras

- The IVC-2D and IVC-3D are robust Smart Cameras working with 2D images and 3D images or 3D profiles, respectively. The cameras operate stand-alone or as part of the factory network. The application development is done in the flexible and straight-forward PC application development tool IVC Studio, which is common for both products. The inspection results can be sent directly to the PLC or handling equipment and also monitored via Ethernet.

3D Cameras

- Ranger and Ruler cameras measure 3D features at unmatched speed, producing a series of profiles of the measured object. Providing a 3rd dimension adds height and shape measurement data, which can be critical when correctly classifying an object. The Ranger and Ruler cameras are key components in many market-leading in-line inspection machines for 3D vision. The generated 3D data is distributed over standard interfaces, such as CameraLink and Gigabit Ethernet, to a PC for analysis.

Vision Accessories

- We provide a wide range of accessories to enable us to provide complete solutions. Illumination, photoelectric sensors for triggering, I/O modules etc. are easily connected by standard industrial cabling from SICK.
- Robust IP 65 or IP 67 rated lighting modules
- Industrial powered by standard 24 V DC
- High intensity for fast inspection speed
- Easy trigger connection to the vision systems

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Machine Vision →