

The new Vision hardware components from Beckhoff impress with a robust, attractive design as well as high scalability and long-term availability.

Beckhoff Vision: Camera, lens and illumination hardware complement TwinCAT Vision

Beckhoff Vision offers machine builders and end users a complete image processing system that covers all the necessary components from software to illumination. Seamlessly integrated into EtherCAT-based control technology, it opens up significant competitive advantages for users, including highly accurate synchronization with all machine processes, reduced engineering and hardware costs, and simplified commissioning and support.

In addition to the TwinCAT Vision software, the Vision portfolio also includes:

- Cameras: The area-scan cameras generate high-quality image data using color and monochrome CMOS sensors with up to 24-megapixel resolution and 3.45 μm and 2.74 μm pixel pitch, in addition to offering transfer rates of 2.5 Gbit/s.



- Lenses: The robust, industrial C-mount lenses ensure easy handling and high availability while also offering a VIS and NIR AR coating, up to 2 μm resolution, and image circles of 11 mm (2/3") and 19.3 mm (1.2") respectively.
- Illumination: The multicolor LED illumination in three designs – area, ring, and bar illumination – produces constant illumination conditions for consistently high-quality images. It also creates the best possible contrast between the inspection feature and its surroundings – even in spectrally adjustable pulse mode.
- Complete units consisting of camera, illumination devices, and focusable lenses are also available.

More information:

www.beckhoff.com/vision