

Decentralized Smart Vision Solution



Corsight 

Independent decisions and actions in real-time are the core competencies of CORSIGHT. The integrated smart vision solution comes with matrix and line scan image sensors, including high-speed image sensors for the fastest processes.

Users can freely combine the resources of the Intel Quad Core CPU and the FPGA for hardware acceleration. This means that machines can achieve the fastest cycle times with real-time image processing. Available potential is tapped to its full extent.

CORSIGHT offers the NET Open Camera Concept for the customer-specific configuration of the software solution. The customer's trusted vision expertise in the form of IP cores and image processing software can be easily integrated into CORSIGHT.

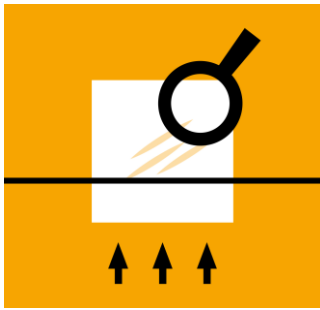
Drivers for various license-free, licensable and proprietary libraries are available. The NET library also contains innovative algorithms for image enhancement and optimization.

We also offer a wide range of interface options for integrating the IP67-certified smart vision solution. There are no limits to your creativity when it comes to integrating and controlling CORSIGHT: this can be by remote access via WLAN or Bluetooth, synchronization with other devices (PLC), as the host system of a multi-camera system for GigE vision cameras or, optionally, even as a GigE vision camera. CORSIGHT opens up new possibilities for your application!

Highlights >

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HIGHLIGHTS



Smart line scan vision solution

CORSIGHT enables users to enjoy the benefits of a line scan camera together with the opportunities offered by a unique smart vision solution. As a decentralized vision solution, CORSIGHT offers a more efficient approach, particularly for line scan applications with endless processes: real-time image processing enables decisions to be made and control circuits to be regulated directly in the camera. There is no need to make any alterations to the previously-used application - the existing vision know-how can, in fact, be integrated into CORSIGHT.



Customizable

With CORSIGHT, users are free to choose which software to use to solve the application decentrally. The user's own vision know-how can be integrated directly into CORSIGHT. The camera becomes a unique vision solution presenting new competitive advantages. As a GenICam-compatible camera, CORSIGHT offers tremendous freedom of choice for configuring the software architecture. The user decides which image processing library or proprietary software should be run under which Windows or Linux operating system.



Powerful and fast

CORSIGHT enables the real-time processing of high-speed images from the most sophisticated applications. New performance leads can be gained thanks to CORSIGHT's computing resources. Users can achieve real-time image processing by combining current multi-core CPU and FPGA technologies. The result is the fast and reliable control of both quality and processes, satisfying the highest demands.