Product Focus

GigE Vision in Real Time

A high-performance real-time system is essential for maximum precision in camera applications. The GigE Vision functionality of Kithara RealTime Suite pushes the boundaries of conventional operating systems thanks to deterministic image acquisition.

GigE Vision is the leading camera standard in machine vision—thanks to high bandwidths, cable lengths and scalability. With the Camera Module, you can fully exploit this potential by providing all the functions for detecting, managing and generating real-time streams; with minimal latency and jitter and no loss of data packets. Even with today's highest possible throughput rate of 100 Gbit/s, image data is immediately available without loss for analysis, processing or triggering immediate control reactions. This opens up completely new possibilities in image-based automation and quality assurance.

The seamless integration into the Kithara real-time operating system is a crucial advantage. The intuitive API of the Camera Module according to GenICam gives users full control over all GigE Vision cameras. This makes it easy to develop sophisticated machine vision applications in a real-time environment with maximum performance and reliability. In addition, the Camera Module also offers the same support for the USB3 Vision standard.

Benefit from our experience as a pioneer in machine vision and automation in a unified real-time solution.

The latest information about Kithara products as well as a free 90-day trial version can be found **› on our website**.

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