

USB3 Vision—Lights, Camera, Results!

The wait is over. The newcomer among industrial camera standards, USB3 Vision, has already begun to gain a foothold on the market. Due to low acquisition and integration costs it is already considered to be a highly appealing entry-level choice for developing efficient machine vision solutions while the flexible exchangeability also makes it an optimal alternative for existing applications.

With real-time capabilities, USB3 Vision is becoming even more important due to the fact that many applications today already require immediate reactions to captured image data, which has developed into an increasing real-time demand, not just for sophisticated solutions in robotics or automated quality assurance, including zero-fault-production. The trend is going towards a universal applicability of machine vision in nearly all industrial sectors.

For this purpose, Kithara has extended the Kithara RealTime Suite with the support of USB3 Vision cameras with guaranteed reaction times in the microsecond range.

In itself, the appeal of USB3 Vision is based mainly on the use of cost-efficient standardized hardware, which will allow the vision standard to take its place as major mainstream interface alongside GigE Vision. Furthermore, the familiar programming interface GenICam enables users to employ manufacturer-specific features in addition to common features.

For an up-to-date overview of Kithara products and a variety of test versions visit our website at > www.kithara.com.

