press release

VisionSensor PV3 from IMAGO

Embedded Vision in matchbox format

Embedded Vision is the keyword when compact and at the same time powerful image processing systems are required. It can be integrated into small devices or in places where space is limited. This means that intelligent image processing can now tap into many new fields of application in which classic IPCs previously reached their limits.

With its dimensions of 53x45mm, the PV3 vision sensor from IMAGO also fits in tight spaces. In addition to a camera with a 2-megapixel resolution, the power package contains a high-performance Linux QuadCore processor. This more than doubles the computing power compared to the previous model. The embedded vision system with small form factor (SFF) enables very fast, reliable and high-quality inspection in numerous industrial areas, such as best-before date inspection, barcode and dotcode reading or label inspection in the food and beverage industry. Or, for example, the permanent scanning of labels as well as the inspection of the printed contents during labeling. In industrial printing, the VisionSensor PV3 is even integrated directly into the ink print buttons, so that the print can be checked immediately. The image processing system is also used outside the factory environment in machines in numerous other applications.

The new high-performance vision systems are not only becoming ever smaller and more compact. They are also designed for harsh industrial environments and are well protected against mechanical stress, temperature fluctuations and humidity.

The extremely small camera, programmable under Linux, offers a good entry into image processing at a low price. Beginners appreciate the included sample program, SDK and a video training course. Using the in-house new framework ViewIT, engineers and technicians can create their own application within one working day. Halcon Embedded as the leading library for industrial image processing is also supported.

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The VisionSensor PV3 is equipped with a Linux Quad-Core processor and a camera with 2-megapixel resolution.

ABOUT IMAGO TECHNOLOGIES

IMAGO Technologies is a leading manufacturer of intelligent cameras, vision sensors, and special computers for automated image processing. IMAGO designs, develops, manufactures, and distributes image processing systems in Friedberg, Germany, for customers worldwide in industrial inspection, pharmaceutical-, engineering industry, and ... soon also for your application? For almost 3 decades, IMAGO has been offering trendsetting solutions with great innovative power serving the individual needs of customers.

The product portfolio includes intelligent line, area, and event-based cameras, deep learning image processing computers as well as embedded multicore ARM, i-Core, and DSP computers, each with real-time IO, Linux, or Windows operating systems and a real-time OS. IMAGO also supports its customers in the areas of engineering and software development. For more information visit www.imago-technologies.com.

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