

## Press Release

### FiberVision launches Nanosmart-PoE

**Würselen/Germany, Oktober 8<sup>th</sup>, 2009:** Nanosmart-PoE – Probably the smallest 5 MPixel intelligent camera with active PoE in an industrial housing.

The heart of FiberVision's Nanosmart-PoE is the single board camera VCSBC4012 nano by Vision Components (VC). But Nanosmart-PoE is more than just an intelligent camera with a well-thought-out body. All interfaces to the world outside are provided using just a RJ45 and a RJ48 plug. The RJ45 Power over Ethernet (active PoE) plug provides the 100 MBit data interface as well as power supply. The RJ48 plug makes available eight digital 24 V in- or outputs and a 24 V DC power supply. High speed in- and outputs are used for precise camera and flash light synchronization. The delay between flash trigger and exposure start is programmable as well as the flashing time. Thus, well defined short exposure times are available – even with the rolling shutter of the CMOS-camera with 5 Mega pixels. Six LEDs are available to display operational states. Their 3.3 V power supplies are made available on an OEM-plug. They may be used as additional outputs together with a dedicated flash trigger. The PoE power supply is galvanically isolated against the in- and outputs. Nanosmart-PoE can be power-supplied by a PC while it exchanges data with a PLC using the digital I/Os. No equalizing currents or ground loops will occur.

All new configuration modes and interfaces are made available using just one additional function call using the familiar development tools for VC cameras. Nanosmart-PoE does not need any additional programming tools.

Nanosmart-PoE has a CS lens mount. An adapter for S-mount is available. A 5 mm spacer ring is provided with each system. Using this, the CS-mount becomes a C-mount. Thus, all established industry lenses can be used with Nanosmart-PoE.

FiberVision launches Nanosmart-PoE on the Vision 2009 show in Stuttgart/Germany. You will find Nanosmart-PoE on booth D31 in hall 4.

## About FiberVision

FiberVision GmbH was founded in 1995 as a spin-off of RWTH Aachen University. First products were fiber optical sensors and vision systems for color measurements.

Today, the engineers and scientists from FiberVision develop and build optical measurement, positioning and inspection systems for industrial use. The essential feature of FiberVision systems and products is: The easy access to complex technologies by providing user interfaces for intuitive use.

To mention a few FiberVision products:

- Caminax: A smart camera which integrates a complete machine vision system into an extremely compact housing.
- LED-Check: A vision system for color control of light emitting diodes.
- 3D-Check: An inspection system for the glue application in the automotive industry.

FiberVision has well-known customers such as: Continental, Ford, Hella, Paul Hartmann, Philips and Saint-Gobain Sekurit.

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