

A press release by SensoPart Industriesensorik GmbH, Gottenheim near Freiburg/Breisgau, Germany

Colour vision

Improved object detection through additional colour analysis: SensoPart presents the new Vision colour sensor VISOR® Color

Gottenheim, June 2013 –SensoPart Industriesensorik is expanding its VISOR® range of high-performance vision sensors: the new VISOR® Color combines object and colour detection in one device for the very first time and thus unveils new areas of application.

SensoPart's newly-developed vision colour sensor, VISOR® Color, fills the gap between standard, switching colour sensors and costly image processing systems. This economical solution enables automation of previous visual inspections and the expansion of existing processes to include colour analysis, thus guaranteeing improved object detection.

Parameterisation options for colour analysis are extensive and enable a high-performance and reliable detection even with slight differences in shade, or luminous components. Combining colour and object detection opens up a variety of applications involving the inspection and sorting of objects according to shape and colour, such as e.g. quality inspection of complex components in the automotive industry and in machine construction (completeness check, position check, part differentiation/assignment/sorting) or the inspection of coloured LEDs and colour screens.

Precise analysis thanks to a high resolution

The VISOR® colour is equipped with a colour chip (WVGA or SXGA resolution) instead of the standard monochrome image chip used by vision sensors. The high-resolution version of the vision colour sensor with 1.3 megapixels enables extremely precise analysis of image

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details as well as the assessment of larger sections. The sensor is available in versions with integrated optics and LED lighting, as well as versions with a C/CS mount.

Extensive logic functions enable the direct assignment of inspection results to one of 6 digital result outputs; if necessary an additional 32 signal outputs are possible with the I/O box, which is available in the accessory range. VISOR® Color is set up using the standardised VISOR® interface which can be used to configure complex inspection tasks without detailed knowledge of image processing. The VISOR® software package, included with the sensor, consists of configuration and viewer software with hierarchical user rights and integrated context-sensitive help.

Figure 1: (Bild1_VISOR_Color_SensoPart.jpg)

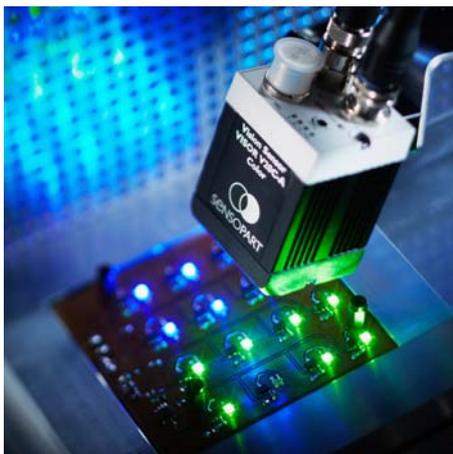


Figure 2: (on request)



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SensoPart Industriesensorik GmbH

The sensor manufacturer SensoPart, based in Wieden near Todtnau, and also in Gottenheim near Freiburg since 2001, develops, produces and sells sensors for industrial applications. The main focus is on optoelectronic sensors, particularly laser sensors, which are used in so many industrial applications, and high-performance vision sensors

for the detection of objects, colours or data matrix codes.

The past years have been marked by a strong growth in turnover and the regular launch of new, innovative products. SensoPart has received several distinctions for its work, for example the Dr. Rudolf-Eberle Prize, 1st place in the Baden-Württemberg Prize for the Promotion of Young Companies, and has been awarded the German Sensor Application Prize several times. Further information can be found online under:

<http://www.sensopart.com>.

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