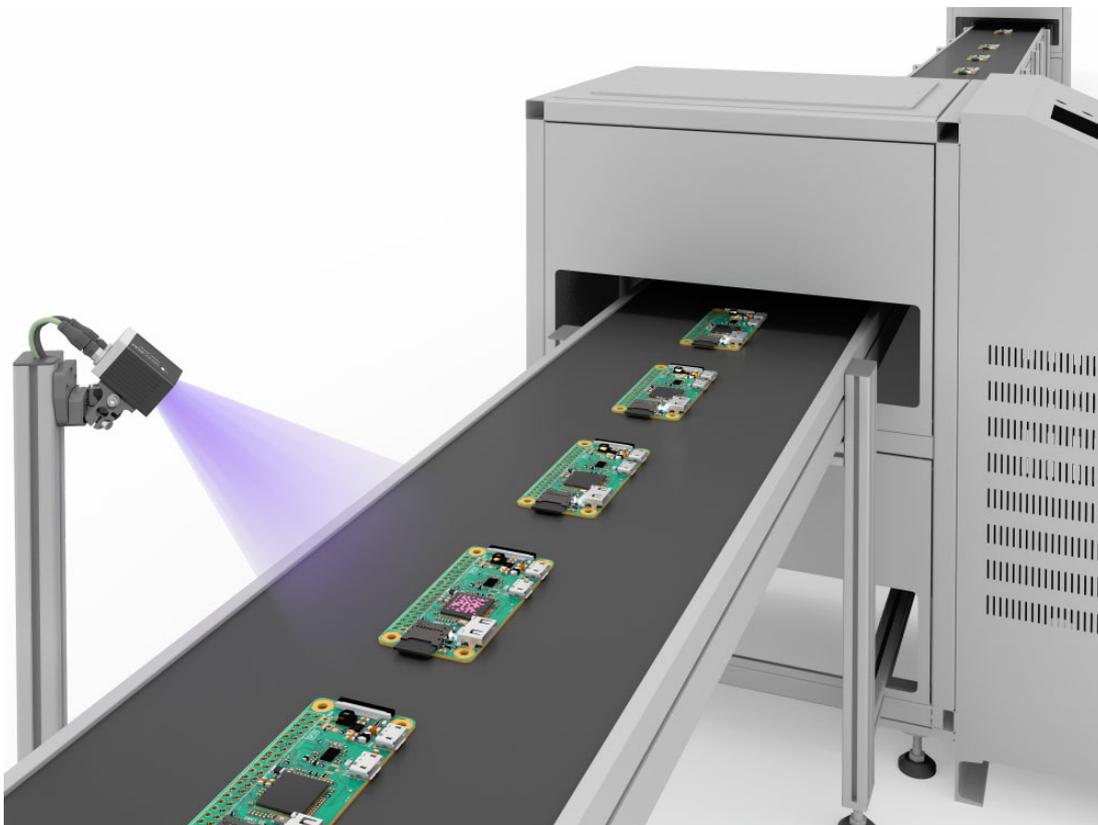


A press release by SensoPart Industriesensorik GmbH, Gottenheim near Freiburg/Breisgau, Germany

Vision sensor makes the invisible visible

The VISOR® UV from SensoPart with integrated UV illumination can evaluate markings, inscriptions and codes that are invisible to the human eye. With its wide range of functions, the new member of the VISOR® product family is unique on the market and opens up a variety of new applications.



The effect is similar to the well-known "magic ink": Inks, lacquers, chalks and adhesives enriched with luminescent substances, so-called luminophores, are invisible to the human eye. They only light up when irradiated with ultraviolet light, in different colors depending on the type of substance used. This phenomenon can be used in automation applications to evaluate hidden markings on objects that are invisible to the naked eye - for example, markings after quality tests have been passed, seals on screws with luminescent paint, invisible adhesive beads, or data matrix codes for product identification.

The VISOR® UV is the only vision sensor with integrated UV illumination on the market that also offers very comprehensive image processing functions. For the evaluation of the luminescent markings, the SensoPart user has the same extensive detection tools at their disposal as the classic illumination variants (white, red, infrared) of the VISOR® Allround series. This opens up a

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wide range of application possibilities in the areas of object detection, measurement, robotics and code reading.

The UV version of the VISOR® is available with two different resolutions (V20: 1440 × 1080 pixels; V50: 2560 × 1936 pixels) and optionally with a monochrome or color chip. The color chip offers the additional option of filtering images according to color channels in order to maximise the contrast between the marker and the background and thus the detection reliability. This is done simply by creating a setting in the sensor configuration; separate color filters are no longer required, and application costs are saved. With this filter function, too, the VISOR® UV can claim a unique position on the market.

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About Sensopart Industriesensorik GmbH

Sensopart develops, produces and sells a wide range of innovative sensors for factory automation. The main focus is on optoelectronic sensors and camera-based vision sensors, which are used in industrial applications - e.g. for object or color detection, distance measurement, code reading or in robotics. The company's products are developed and manufactured in Germany, at the plants in Gottenheim, near Freiburg-im-Breisgau, and Wieden in the southern part of the Black Forest. With four subsidiaries and a network of 40 international sales partners, Sensopart is present worldwide.

Founded in 1994, the family-run company is synonymous with flexibility and stands for innovative and high-performance products. Sensopart has received numerous distinctions for its work, for example 1st place in the Automation Award and is multi-time winner of the German Sensor Application Prize.

For further information about Sensopart, visit www.sensopart.com.