# Press Release

**Bird's eye view for *VeriSens* vision sensors and *ColorFEX* in compact devices**

(14.11.2018) Baumer has expanded its XF series of *VeriSens* vision sensors with models using the multiple award-winning *ColorFEX* technology, which for the first time simplifies color checks in a compact design with integrated lens and lighting. In addition, with release 2.10 of the *Application Suite,* a software update has been made available that meets numerous customer requests for encrypted data transmission and function extension. The new models and the software package will be available from the end of 2018.

The 700/800 color models of the XF series allow the cost-effective combination of color checks, code reading (1D, 2D codes) and reading and verifying plain text (OCR/OCV) in one compact device. With the intelligent *ColorFEX* 3D color assistant, object colors and their shades are automatically identified and visualized in 3D. The vision sensors reduce the complexity of reliable color differentiation applications to a simple, interactive adjustment process for anyone, for example, to check the correct placement of LEDs in electronics or for the recognition of color coding in the automotive sector.

With version 2.10 of the *VeriSens Application Suite*, the ID510, XF700/800 and XC700/800 vision sensors benefit from numerous software expansions. SFTP ensures secure communication, from image processing to image storage. With HTTPS, the encrypted connection is supported through a web interface. For the XF700/800 and XC700/800 monochrome models, real-time correction is available for distortion, shading and perspective bias. This allows exact image analysis even when the *VeriSens* is installed at an angle. This also opens up the necessary space for robot access to objects without colliding with the vision sensor, for example. The corrected image resembles a bird's eye view and allows the exact positioning of a robot gripper, or precise dimensional checks. In addition, the new image tool “Find object positions” is specially designed for pick-and-place applications. With this, the vision sensors can detect multiple objects at the same time, including optional testing for overlapping, as well as for free space for grippers, and can provide the positions for robot access. All of the new features can be easily set up through the uniform *Application Suite* user interface to suit individual applications. A software update is all that is needed to equip vision sensors that are already in use with the new functions.

More information at: www.baumer.com/verisens

Photo 3483-0-DCH: The new XF models for color checks now also offer the multiple award-winning *ColorFEX* technology in a compact design.

Number of characters (with spaces): approx. 2560

Text and picture download at: [**www.baumer.com/press**](http://www.baumer.com/press)

**Baumer Group**

The Baumer Group is one of the worldwide leading manufacturers of sensors, encoders, measuring instruments and components for automated image processing. Baumer combines innovative technologies and customer-oriented service into intelligent solutions for factory and process automation and offers an unrivalled wide technology and product portfolio. With around 2,700 employees and 38 subsidiaries in 19 countries, the family-owned group of companies is always close to the customer. Baumer provides clients in most diverse industries with vital benefits and measurable added value by worldwide consistent high quality standards and outstanding innovative potential. Learn more at [www.baumer.com](http://www.baumer.com) on the internet.

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