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More Performance, Intuitive Operation, More Variety: New C5PC 1D/2D Code Scanners Simplify Industrial Decoding

In mid-September, wenglor sensoric released 19 new models of the C5PC series of 1D/2D code scanners, once again expanding its portfolio with more powerful and easy-to-operate code scanners. The simple installation via Plug & Play in particular, as well as the intuitive, browser-based WebLink user interface or the uniform interface concept across all scanners, open up a large number of new application solutions for users.

The WebLink user interface pre-installed in each scanner guides users to install and set up the scanners, even without any programming knowledge. The decoding of codes can be started directly after the IP address has been entered. The scanners can be easily integrated into systems thanks to the available interfaces such as digital IOs, RS-232, Ethernet TCP/IP, PROFINET and EtherNet/IP^{TM}. "With all 19 new scanner models, ease of initial start-up and networking are the two biggest advantages for users", explains wenglor product manager Stefan Winkler.

The Right (Hardware) Solution for Every Application
From now on, the C5PC series will be available in variants with static focus or auto-focus, with resolutions of 0.3 megapixels, 1.2 megapixels or 5 megapixels and with optics in SD, HD or LR. There are seven different focal distances between 50 and 1,200 mm. With these hardware combinations, 1D and 2D codes can be read and decoded reliably, even if they have been printed, needle punched or lasered directly onto the object (also called DPM, Direct Part Marking). "With the new scanner portfolio, we have a suitable product for every customer requirement", says Winkler. "From simple static applications with high contrasts, simple and complete codes to dynamic applications with high object speeds and very small, complex and sometimes incomplete or damaged codes, we can now take care of any task – with 25 percent higher reading performance than before".

Quality Standards, Daisy Chain and Tamper Protection Round Off the Portfolio
All common standards for determining code quality are met with the scanners: ISO/IEC TR 29158 and EN 15415, EN 15416 and EN 16022. With CodeScan 360, up to eight scanners can be connected via daisy chain, providing a 360° visual field. This means that several scanners can be arranged in a circle around an object and connected together, for example. The code on the object is safely decoded by one of the scanners in the system, regardless of its position. "The advantage for users is not only secure all-round detection, but also that the configuration and results are managed as if it were just a single scanner", says Winkler.
The scanners can also be password-protected for protection against manipulation. Different user roles and levels are available here in WebLink. "The new Multishot Configuration Database is also located in WebLink. Here, users can select different configurations stored in the integrated database, after which the scanner automatically performs quick multiple scans at different positions as well as at different heights and brightness levels. The scanner processes these and evaluates them simultaneously. Users save manual programming effort

and thus a lot of time! All in all, the new generation is even stronger, offers more practical features than ever before and is even easier to use", says Winkler.

The Highlights at a Glance
- Browser-based interface WebLink
- Easy installation thanks to Plug & Play
- Consistent interface concept (digital IOs, RS-232, Ethernet TCP/IP, PROFINET, EtherNet/IPTM)
- 360° decoding with CodeScan 360
- 19 new models available
- 25% higher read performance
- Compliance with standards to determine code quality: ISO/IEC TR 29158, EN 15415, EN 15416, EN 16022
- Protection against manipulation thanks to password protection

Approximately 3,675 characters
Text: Fabian Repetz, wenglor
Image: wenglor

Captions
New in the range for quick and easy decoding of 1D and 2D codes: The 19 models of the C5PC 1D/2D code scanners.

About wenglor sensoric GmbH
wenglor develops innovative automation technologies, such as sensors, security and 2D/3D camera systems with state-of-the-art communication standards for the global market. Founded as a two-man business in 1983, the family company has since evolved into one of the most important international sensor suppliers with more than 950 employees around the world. The company with headquarters on Lake Constance in Tettnang, Germany, meets industrial automation challenges for customers in all industry sectors – from automotive manufacturing to the packaging industry. More than 60,000 customers from 45 countries all over the world are already placing their faith in wenglor's innovative products.