Kicker:

The new Xelity hybrid switch from Murrelektronik

Headline:

***Compact all-rounder***

Teaser:

**Machine vision plays a central role in many applications. The more of these systems are used, the more important the question of the installation concept becomes. Murrelektronik has an answer that combines many convincing arguments. The new Xelity Hybrid Switch plays an important role in this.**

Text:

**Machine vision** is everywhere in today's smart factories to **ensure efficiency, quality assurance and safety.**

At the same time, modern manufacturing must adapt quickly to changes in the manufacturing process and/or in the product to be manufactured. This requires **flexible, modular and scalable** vision systems. Finally, the lack of skilled staff means automation equipment and vision systems must be **plug and play and easy to operate and maintain.**

As the **forerunner in decentral electrical automation technology and leading company in this field, Murrelektronik** also has a smart solution for this topic: the **new Xelity Hybrid Switch.**

**Less is more**

The idea behind it: Having **local, self-managed systems** only connected to a central server via one cable makes it **much easier** for manufacturers to modify their processes and deploy their vision systems. And that is exactly what is made possible by this new type of switch.

He has four data four 4A NEC class 2 power ports, which means that **up to four cameras can be operated with one switch. Several devices can be connected to each other as a daisy chain,** which opens possibilities to expand the network of cameras and other peripherals.

One **signal** such as a trigger can be **broadcast to all devices connected to a switch or even all devices in the daisy chain** for perfect synchronization. One switch only needs a power supply and a network connection, which means **a whole system is connected to the factory network with just one cable,** even if it includes several switches in a daisy chain.

This **consistently decentralized approach** makes maintenance and troubleshooting easy: All the components of the **machine vision** system are interconnected locally. This makes it **very easy to exchange a camera or add a strobe on site,** without having to figure out connections in a remote cabinet.

As a result, operators on the production line can **perform simple maintenance tasks faster and without the need for expert personnel.** **LEDs** on the device itself **provide feedback** on the correct operation of each port while the online diagnostics tools allow for more in-depth troubleshooting.

**Xelity Hybrid Switch** is highly standardized and relies on **industrial-grade M12 connectors.** Thismeans **full compatibility** with any component, regardless of their brand.

**Optimally equipped for use in the field**

The consistently decentralized approach places particular demands on robustness. That is why the **Xelity hybrid switch** is designed in detail for **installation close to the process:** it has a robust, fully encapsulated **metal housing,** is **shock and vibration resistant, IP67** rated and can withstand operating temperatures from **-40°C to +55°C.**

It is also important to note that the **Xelity hybrid switch** supports **Gigabit Ethernet,** the most common camera interface technology in the machine vision industry – and **advanced network management** with **Jumbo Frames, NAT, NAC or QoS.**

Picture:

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| Compact all-rounder: Thanks to the new **Xelity hybrid switch** from **Murrelektronik** all components of a **machine vision** are interconnected locally. |  |

**About Murrelektronik:**

Making industrial automation as simple, seamless and cost-efficient as possible with smart solutions: Murrelektronik is the forerunner in decentralized electrical automation technology and has become, based on this DNA, the leading company in this field. Murrelektronik's solutions bring signals, data and power close to the process, eliminating the need for control cabinets. For almost 50 years, more and more customers worldwide from all manufacturing industries have placed their trust in this special expertise. Headquartered in Oppenweiler, Germany, the successful family-owned company has an extensive network of over 3,200 experts in more than 50 countries. With several global production and logistics locations, Murrelektronik is close to its customers to solve their diverse challenges quickly and smartly. The company has continued to expand its portfolio and covers a wide range – from connectors to I/O systems, power supplies and network technology up to the fast and easy installable, modular complete solution for cabinet-free automation, called Vario-X. As part of the plug and play mindset, Murrelektronik also offers holistic digital services supporting installation, commissioning and maintenance. Learn more here: [www.murrelektronik.com](http://www.murrelektronik.com)

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