**Mikrotron Presents Advanced Machine Vision Cameras**

**Mikrotron showcases its new family of high–resolution high–speed CoaXPress® cameras at the Boston Vision Show 2016: EoSens® 25CXP+ and EoSens® 12CXP+**

**Unterschleissheim, 2 May 2016** – Mikrotron GmbH (www.mikrotron.de), worldwide leader in digital high-speed cameras, image processing components, and high-speed recording systems for industry, research and development will present its new line of extremely compact high-resolution CoaXPress®machine vision cameras at the Boston Vision Show 2016, held from 3 May to 5 May.

Eo*Sens*® 25CXP+ and Eo*Sens*® 12CXP+ are powered by an advanced OnSemi PYTHON CMOS sensor and offer 70% more sensitivity over the previous generation of 25 Megapixel CoaXPress® cameras. The CXP+ camera models are based on a unique, robust and compact design (80 x 80 x 66 mm) and are engineered for use in rough environments. The fanless design guarantees vibration-free operation.

Both camera models have a global shutter, an extraordinary photo-sensitivity of 5.8 V/lux\*s @550nm, and come with a 4-channel CXP-6 CoaXPress® V1.1 interface, transmitting data at speeds up to 25 Gigabits per second in real time.

Eo*Sens*® 25CXP+ offers 80 frames per second at 5,120 x 5,120 pixel resolution. Eo*Sen*s® 12CXP+ offers 165 frames per second at 4,096 x 3,072 pixel resolution. Windowing down the image resolution further increases the frame rate up to 765 frames per second for 1,024 x 768 pixel resolution.

The high resolution of the camera models, combined with advanced image processing algorithms, give a perfect image quality and allow, for example, to capture even the smallest details of components in PCB assembly in high speed. Due to their outstanding performance and functionality, the new camera models meet the requirements for the most demanding tasks in all areas of application. They are ideally suited for all classical machine vision applications, for event analysis in research and development, and for high-speed shootings in military and aerospace.

The new CXP+ product family, as well as other Mikrotron advanced machine vision and recording cameras, will be demonstrated, together with the latest machine vision products from our sister company Tattile, at the Boston Vision Show 2016, Tattile booth #1023.

**Images**

mikrotron-eosens-cxp+-conformity: The Eo*Sens*® CXP+ series is GenICam and EMVA 1288 compliant, enabling easy integration into existing systems. (Copyright: Mikrotron GmbH)

mikrotron-eosens-cxp+-robotics: The Eo*Sens*® CXP+ high-speed cameras provide real-time data and live feedback to guide robots as they go through programmed sequences of operations. (Copyright: Mikrotron GmbH and iStock.com/microgen)

mikrotron-eosens-cxp+-manufacturing: The Eo*Sens*® CXP+ camera series is suited for a wide variety of machine vision applications, such as assembly verification in the automotive industry. (Copyright: Mikrotron GmbH and iStock.com/zhuzhu)

mikrotron-eosens-cxp+-pcb-inspection: The Eo*Sens*® CXP+ offers 4,096 x 3,072 pixel resolution at 165 frames per second, capturing even the smallest details of components in PCB assembly in high speed. (Copyright: Mikrotron GmbH and iStock.com/lizalica)