# Press Release

**Small pixels for higher image quality: compact 29×29 mm cameras with S*ony Pregius S* sensors up to 24 MP**

(05/11/2021) Baumer is expanding its CX series with the 4th *Sony* CMOS sensor generation *Pregius S* with up to 24 megapixel resolution. Thanks to a pixel size of mere 2.74 µm and backside illumination pixel architecture, the camera has a very compact design of 29×29 mm and offers very high resolutions with excellent image quality and improved sensitivity for stable image evaluations. For example, detailed surface inspections can be carried out or increasingly small objects measured. Existing systems can also be equipped with the higher resolution without having to change the mechanical setup. Thanks to the global shutter and short exposure time, quick objects can be reliably captured without motion artefacts. This allows the CX cameras to keep pace with increasing operational throughputs. The series expansion starts with the 24 MP sensor IMX540 for the CX cameras. Serial production of the cameras with 5, 8, 12, and 20 megapixel resolutions will commence gradually.

The Baumer CX camera series includes 115 models offering an extensive sensor portfolio for cross-sector standard applications of industrial image processing. The standard versions in the 29×29 mm format offer an extensive range of functions as well as modern *Sony Pregius*, *Pregius S*, *STARVIS*, and *Polarsens* as well as *ON Semiconductor* PYTHON CMOS sensors for the future-oriented implementation of applications. Models with standard-compliant *GigE Vision* or *USB3 Vision* interfaces, with Precision Time Protocol (PTP) for precise time synchronization in Ethernet networks, with polarization sensors for the complete detection of the linear polarization state of surfaces, as well as global, rolling, or global reset shutters, allow a wide variety of application solutions. The CX cameras offer very good image quality and high frame rates – with the use of an ROI (Region of Interest) even with far more than 1000 fps. Easy camera integration with changing light conditions is ensured thanks to auto features for exposure, gain, white balance, and color transformation.

More information about the CX cameras: <https://www.baumer.com/cameras/CX>

Photo: Baumer is expanding its CX camera series with the 4th sensor generation *Pregius S* from *Sony* with up to 24 megapixel resolution.

Number of characters (with spaces): approx. 2200

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

**Baumer Group**

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