

# CX series with smallest 12 megapixel global shutter CMOS camera



Figure 1X series with smallest 12 megapixel global shutter CMOS camera in compact 29 x 29 mm housing.

Baumer further expands their CX series with camera models including *Sony Pregius* sensor IMX253 in compact 29 x 29 mm size with USB 3.0 interface. High resolution of 4096 x 3000 pixel and high frame rates of 31 images per second at excellent image quality make the cameras ideal in applications with demanding requirements for high-definition quality in image acquisition at high throughput. Camera model VCXU-123M integrating the monochrome sensor of the pilot sensors series is available now, whereas *Sony* announced sensor

production start for the fourth quarter of 2016.

Thanks to high resolution and speed combined with low dark noise and high-dynamic 71 dB, the CX cameras are perfect for demanding applications such as surface inspection, 2D/3D measuring technology, packaging inspection and traffic monitoring.

A size of 29 x 29 mm with M3 mounting capabilities at each side of the square housing make installation easy with maximum flexibility, even in narrow installation environments. Camera events and the integrated image memory ensure synchronized process control for long-term stability in image evaluation. Thanks to the efficient thermal concept, the cameras endure up to 65 °C housing temperature for high application versatility at excellent image quality. To ensure the highest process safety, the integrated temperature sensor provides the current operating temperature at all times.

The USB cameras utilize only a single cable for high data transmission rates and easy integration through plug & play functionality. Optically-isolated input and output contribute extra safety towards reliable operation in the overall system.

The industrial cameras of the CX series with *Sony Pregius* and *ON Semiconductor PYTHON* sensors now cover resolutions from VGA to 12 megapixels in compact 29 x 29 mm size with the same form factor to match varied application requirements. A large model variety includes both *GigE Vision* and *USB3 Vision cameras*.



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