# Press Release

**Compact 48 megapixel Global Shutter CMOS cameras: The LX series captures even the finest details fast**

(08/11/2017) Now offering the LX series also with CMV50000 CMOS sensor by ams Sensors Belgium (previously CMOSIS), Baumer opens the way to applications placing the highest demands on resolution, frame rates and image quality. The new LX cameras in compact 60 × 60 mm housing, deliver up to 15 fps at the full resolution of 7920 × 6004 pixels. Therefore highly-dynamic processes such as inspection of PCBs, wafers, surfaces and displays as well as track & trace applications can benefit from high-resolution images with reliable detection of even the finest details and the slightest deviation. Where previously several high-resolution cameras were required to fulfill demanding accuracy requirements, now a single 48 megapixel LX camera will suffice. This will reduce system and integration cost and increase system uptime. Series production of the new Dual GigE and *Camera Link* cameras begins in the fourth quarter of 2017.

The integrated CMV50000 sensors excel by extremely high image quality, low dark noise and a high dynamic range of 64 dB. Global Shutter will eliminate motion artifacts. Additionally, enhanced FPNC (Fixed Pattern Noise Correction) to correct vertically arranged pixels ensures excellent image homogeneity. This high-performance combination simplifies image evaluation – and saves time in algorithm development.

Offering a choice between Dual GigE or *Camera Link* interfaces, the LX series offers high flexibility in camera integration. In contrast to Single GigE, Dual GigE cameras provide twice the frame rate respectively half the transmission time. Furthermore, very high frame rates can be delivered in Burst Mode in short image sequences or in the selected ROI which significantly reduces reaction and inspection time in the application. *Camera Link* models provide continuously high frame rates. The GenCP protocol simplifies camera integration whereas *GenICam* allows easy configuration. Data integrity by checksum validation ensures system stability, which is of special benefit especially in robotics or where using long cables. Furthermore, every image can be transferred with related event and status information such as an image sequence number or time stamp. This way, the camera status is always known.

Further information about LX series cameras: www.baumer.com/cameras/LX

Photo: The new high-resolution LX cameras with 48 megapixels and up to 15 fps provide high resolution and excellent image quality to set new standards in highly-dynamic applications.

Number of characters (with spaces): approx. 2400

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

**Baumer Group**

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| **Press contact:**  Nicole Marofsky  Marketing Communication  Vision Competence Center  Phone +49 (0)3528 43 86 19  Fax +49 (0)3528 43 86 86  nmarofsky@baumer.com  www.baumer.com | **Company contact global:**  Baumer Group  Phone +41 (0)52 728 11 22  Fax +41 (0)52 728 11 44  sales@baumer.com  [www.baumer.com](http://www.baumer.com) |