

## 10GigE industrial camera range mvBlueCOUGAR-XT

# HIGH FRAME RATES FOR INDUSTRIAL ENVIRONMENT

### Camera range with the latest sensors and standard 10GigE interface for more details and high speeds

The GigE Vision compatible camera range allows you to use the performance of the state-of-the-art image sensor technology, like that of the Pregius S Gen4 CMOS line from Sony. With the global shutter technology with backside illumination, the Gen4 sensors have more precision and a higher resolution per sensor surface.

With PoE+ both the power supply and the data transmission are made possible via one cable connection, thus reducing the complexity of the wiring, as well as the necessary space for the installation.

Accessories such as motorized camera lenses, illumination, or control units, can be easily controlled via the camera, thereby reducing the number of necessary system components. Transmission of the images to several computers allows parallel processing of the data. The integrated image memory of 2048 MB ensures reliable data transmission.

With protection class IP67, as well as industrial plug connections, the camera series is designed for use in harsh environments. It is also available with active air cooling.

### Special features

#### High productivity and precision

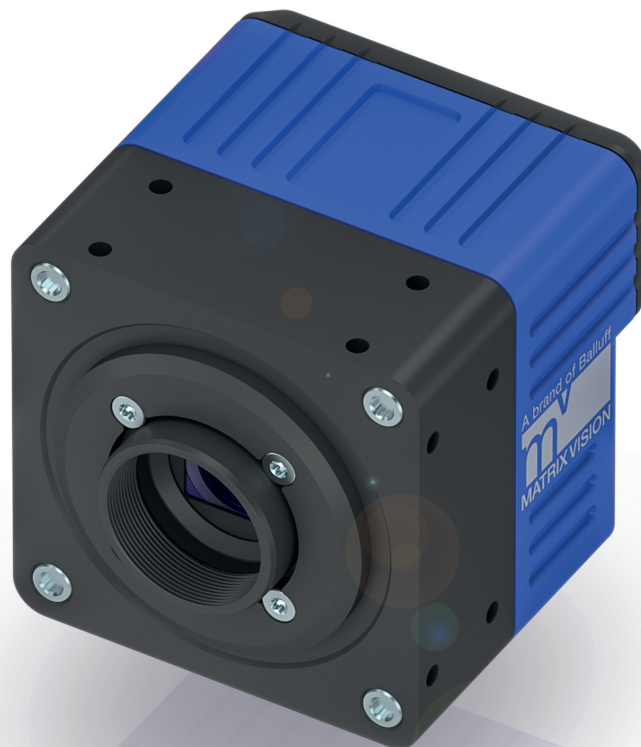
- Sensors with up to 24.6 MP
- High net data rate of up to 1245 MB/s

#### High reliability and robustness

- Compact IP67 housing
- Robust industrial connector
- Secure image transmission with 2048 MB image buffer

#### Easy integration and high flexibility

- Power supply through PoE+
- Precise synchronization with Precision Time Protocol (PTP) i.a.w. IEEE1588
- Identical API for Linux and Windows
- GenICam and GigE Vision compatible





## 10GIGE INDUSTRIAL CAMERA RANGE mvBlueCOUGAR-XT

Model <sup>1</sup> BVS CA-GT1	Resolution	Frame rate <sup>2</sup> FPS	Sensor	Pixel size $\mu\text{m} \times \mu\text{m}$
-0246ZG/C	24.6 MP (5328 x 4608)	50.5 (54.3)	IMX530 (1.2"; GS; CMOS)	2.74 x 2.74
-0204ZG/C	20.4 MP (4512 x 4512)	60.9 (64.3)	IMX531 (1.1"; GS; CMOS)	2.74 x 2.74
-0162ZG/C	16.2 MP (5328 x 3040)	76.5 (81.1)	IMX532 (1.1"; GS; CMOS)	2.74 x 2.74
-0124BG/C	12.4 MP (4128 x 3008)	99.8 (101.8)	IMX535 (1/1.1"; GS; CMOS)	2.74 x 2.74
-0081ZG/C	8.1 MP (2845 x 2848)	147.4 (147.4)	IMX536 (2/3"; GS; CMOS)	2.74 x 2.74
-0051BG/C	5.1 MP (2472 x 2064)	221.7 (221.7)	IMX537 (1/1.8"; GS; CMOS)	2.74 x 2.74

1 G = Gray, C = Color

2 Streaming frame rate (Burst mode frame rate)

## ACCESSORIES

### Camera lenses

- C-Mount camera lens series, 1.1", protection class IP20, different focal lengths
- C-Mount camera lens series, 2/3", protection class IP67, different focal lengths

### Protective lens barrels

- IP67 camera lens protective lens barrels, inner diameter 41 mm, different lengths
- Compatible mounting adapter of camera lens protective lens barrels

### Cable

- Gigabit Ethernet, M12 connector, 8-pin on RJ45, different lengths
- Power and I/O, M12 connector, 12-pin, shielded at open end, different lengths
- I/O and RS232, M8 connector, 8-pin, at open end, 1.5 m long

### Power supply

- 24V DC / 3A at M12 bush, 12-pin, A-coded, 5 m long