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## Camera for Multi-Camera Systems - BFS-PGE-122S6M-C PoE

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**Short description:** PoE - Gigabit Ethernet Camera 1.1" CMOS, 4096x3000, 10fps, mono, global shutter

**Order number:** 3-12-537



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### Characteristics

- ultra-compact GigE area scan camera for industrial applications
  - 1.1" CMOS monochrom sensor with 12 megapixel resolution
  - industrial GigE Vision interface with Power over Ethernet
  - RJ45 Ethernet connection with screw connector for safe operation
  - C-mount lens connection
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## Technical data

### Sensor Data

|                         |                      |
|-------------------------|----------------------|
| Sensor name             | Sony IMX304LLR Exmor |
| Chroma                  | Monochrome           |
| Sensor technology       | CMOS                 |
| Readout method          | Global Shutter       |
| Sensorformat            | 1.1"                 |
| Sensor diagonal         | 17.6 mm              |
| Resolution total        | 4096 x 3000          |
| Number of pixel         | 12.2 MPixel          |
| Pixel size              | 3.45 µm x 3.45 µm    |
| Frame rate              | 10 fps               |
| Shutter (exposure time) | 22 µs ... 30 s       |
| Gain control            | 0 dB ... 47 dB       |
| Dynamic range           | 71.45 dB             |

### Camera Data

|            |                                                           |
|------------|-----------------------------------------------------------|
| Family     | Flir - Blackfly® S                                        |
| Type       | GigE Vision area scan camera                              |
| Interfaces | GigE Vision with PoE<br>opto-decoupled I/Os 1x IN, 1x OUT |

### General Data

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Power requirements | Power over Ethernet (PoE)<br>8 V - 24 VDC AUX (6-pin Hirose) |
| Power consumption  | 3.0 W (PoE); 2.8 W (at 12 VDC)                               |
| Lens mount         | C-Mount                                                      |
| Dimensions         | 29 mm x 29 mm x 30 mm                                        |
| Weight             | 36 g                                                         |

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Operating temperature

0 °C ... 50 °C

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## Accessories for Cameras for Multi-Camera Systems - BFS-PGE-122S6M-C PoE

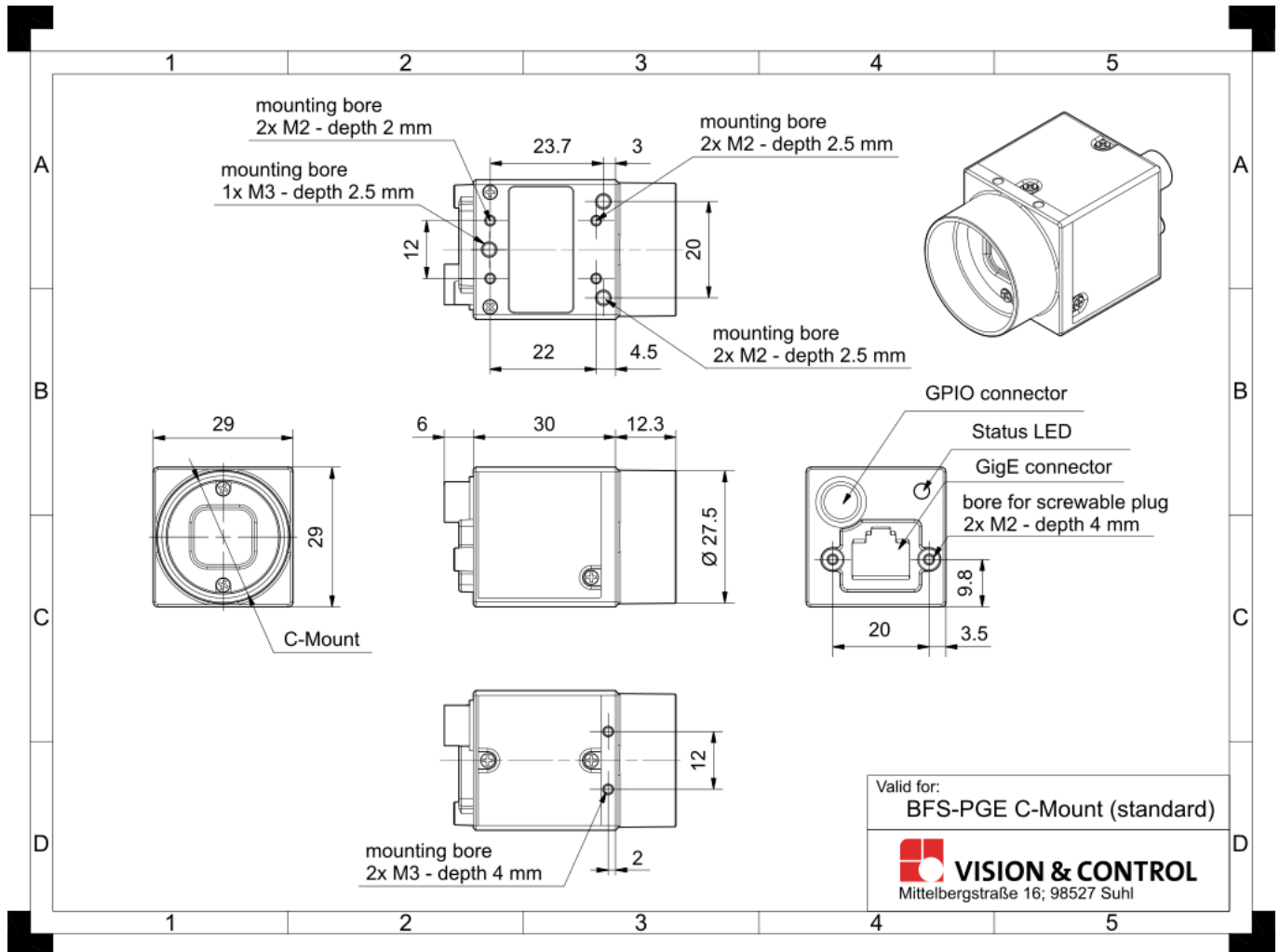
| Order number            | Title                                      | Description                                                                                    |
|-------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Ethernet Cables</b>  |                                            |                                                                                                |
| 4-44-182                | GigE cable, CAT.6, DC, 3m                  | RJ45/RJ45, 1 x screw lock, drag chain capable, for GigE Vision cameras                         |
| 4-44-192                | GigE cable, CAT.6, T, 3m                   | RJ45/RJ45, 1 x screw lock, torsion-capable: $\pm 180^\circ/\text{m}$ , for GigE Vision cameras |
| 4-44-186                | GigE cable, CAT.6, 3m, $90^\circ\text{d}$  | RJ45/RJ45, $90^\circ$ angled downwards, in tight spaces, for GigE Vision cameras               |
| 4-44-189                | GigE cable, CAT.6, 3m, $90^\circ\text{u}$  | RJ45/RJ45, $90^\circ$ angled upwards, in tight spaces, for GigE Vision cameras                 |
| 4-44-183                | GigE cable, CAT.6, DC, 5m                  | RJ45/RJ45, 1 x screw lock, drag chain capable, for GigE Vision cameras                         |
| 4-44-193                | GigE cable, CAT.6, T, 5m                   | RJ45/RJ45, 1 x screw lock, torsion-capable: $\pm 180^\circ/\text{m}$ , for GigE Vision cameras |
| 4-44-187                | GigE cable, CAT.6, 5m, $90^\circ\text{d}$  | RJ45/RJ45, $90^\circ$ angled downwards, in tight spaces, for GigE Vision cameras               |
| 4-44-190                | GigE cable, CAT.6, 5m, $90^\circ\text{u}$  | RJ45/RJ45, $90^\circ$ angled upwards, in tight spaces, for GigE Vision cameras                 |
| 4-44-184                | GigE cable, CAT.6, DC, 10m                 | RJ45/RJ45, 1 x screw lock, drag chain capable, for GigE Vision cameras                         |
| 4-44-194                | GigE cable, CAT.6, T, 10m                  | RJ45/RJ45, 1 x screw lock, torsion-capable: $\pm 180^\circ/\text{m}$ , for GigE Vision cameras |
| 4-44-188                | GigE cable, CAT.6, 10m, $90^\circ\text{d}$ | RJ45/RJ45, $90^\circ$ angled downwards, in tight spaces, for GigE Vision cameras               |
| 4-44-191                | GigE cable, CAT.6, 10m, $90^\circ\text{u}$ | RJ45/RJ45, $90^\circ$ angled upwards, in tight spaces, for GigE Vision cameras                 |
| 4-44-185                | GigE cable, CAT.6, DC, 25m                 | RJ45/RJ45, 1 x screw lock, drag chain capable, for GigE Vision cameras                         |
| 4-40-120                | GigE cabel, CAT.6a, 3m                     | RJ45/RJ45, 1200 MHz, grey, for GigE Vision cameras                                             |
| <b>PLC-Power Cables</b> |                                            |                                                                                                |
| 4-44-199                | PLC-power cable, 6p, DC, 5m                | HR10A-7P-6S, plug with socket contacts to open cable end, drag chain capable                   |

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| Order number | Title                        | Description                                                                  |
|--------------|------------------------------|------------------------------------------------------------------------------|
| 4-44-200     | PLC-power cable, 6p, DC, 10m | HR10A-7P-6S, plug with socket contacts to open cable end, drag chain capable |

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## Drawings



Dimensional drawing in mm