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## Camera for Multi-Camera Systems - Manta G-201B PoE

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**Short description:** PoE - Gigabit Ethernet Camera 1/1.8" CCD,  
1624x1234, 14fps, mono, global shutter

**Order number:** 4-22-340



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### Characteristics

- GigE area scan camera for industrial applications
  - 1/1.8" CCD monochrom sensor with 2 megapixel resolution
  - industrial GigE Vision interface with Power over Ethernet
  - RJ45 Ethernet connection with screw connector for safe operation
  - C-mount lens connection
  - easy attachment with standard M3 thread at the top and bottom of the housing
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## Technical data

### Sensor Data

|                         |                                 |
|-------------------------|---------------------------------|
| Sensor name             | Sony ICX274AL                   |
| Chroma                  | Monochrome                      |
| Sensor technology       | Interline CCD, Progressive Scan |
| Readout method          | Global Shutter                  |
| Sensorformat            | 1/1.8"                          |
| Sensor diagonal         | 8.9 mm                          |
| Resolution total        | 1600 x 1200 *                   |
| Number of pixel         | 2.0 MPixel                      |
| Pixel size              | 4.4 µm x 4.4 µm                 |
| Frame rate              | 14 fps                          |
| Shutter (exposure time) | 51 µs ... 60 s                  |
| Gain control            | 0 dB ... 31 dB                  |

### Camera Data

|            |                                                           |
|------------|-----------------------------------------------------------|
| Family     | Allied Vision - Manta PoE                                 |
| Type       | GigE Vision area scan camera                              |
| Interfaces | GigE Vision with PoE<br>opto-decoupled I/Os 2x IN, 2x OUT |

### General Data

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Power requirements    | Power over Ethernet (PoE)<br>8 V - 30 VDC AUX (12-pin Hirose) |
| Power consumption     | 4.2 W (PoE); 3.6 W (at 12 VDC)                                |
| Lens mount            | C-Mount                                                       |
| Dimensions            | 86.4 mm x 44 mm x 29 mm (including connections)               |
| Weight                | 210 g                                                         |
| Operating temperature | 5 °C ... 45 °C                                                |

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## Notices

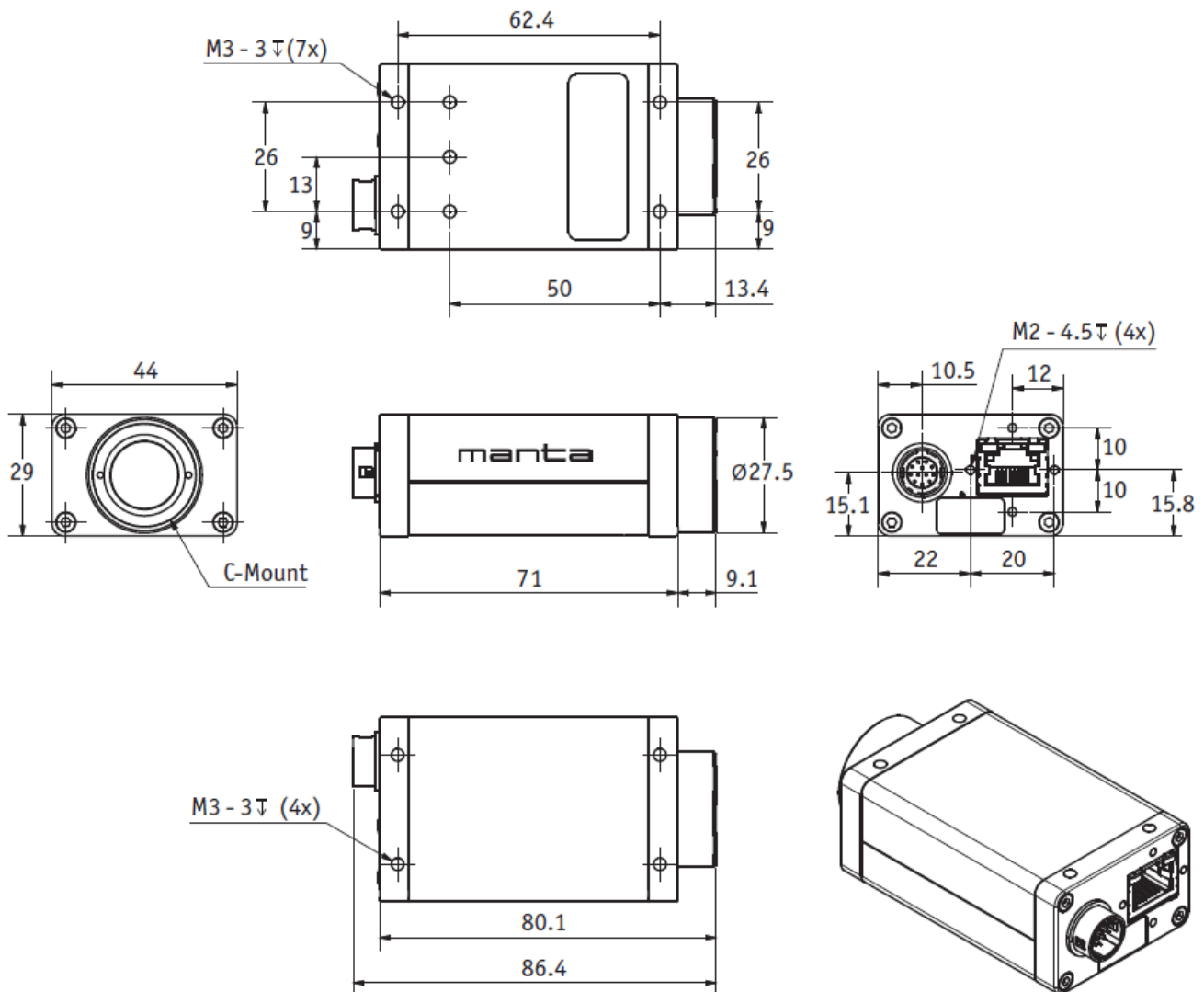
\* To improve the display on the monitor, the resolution is adjusted to common monitor resolutions.

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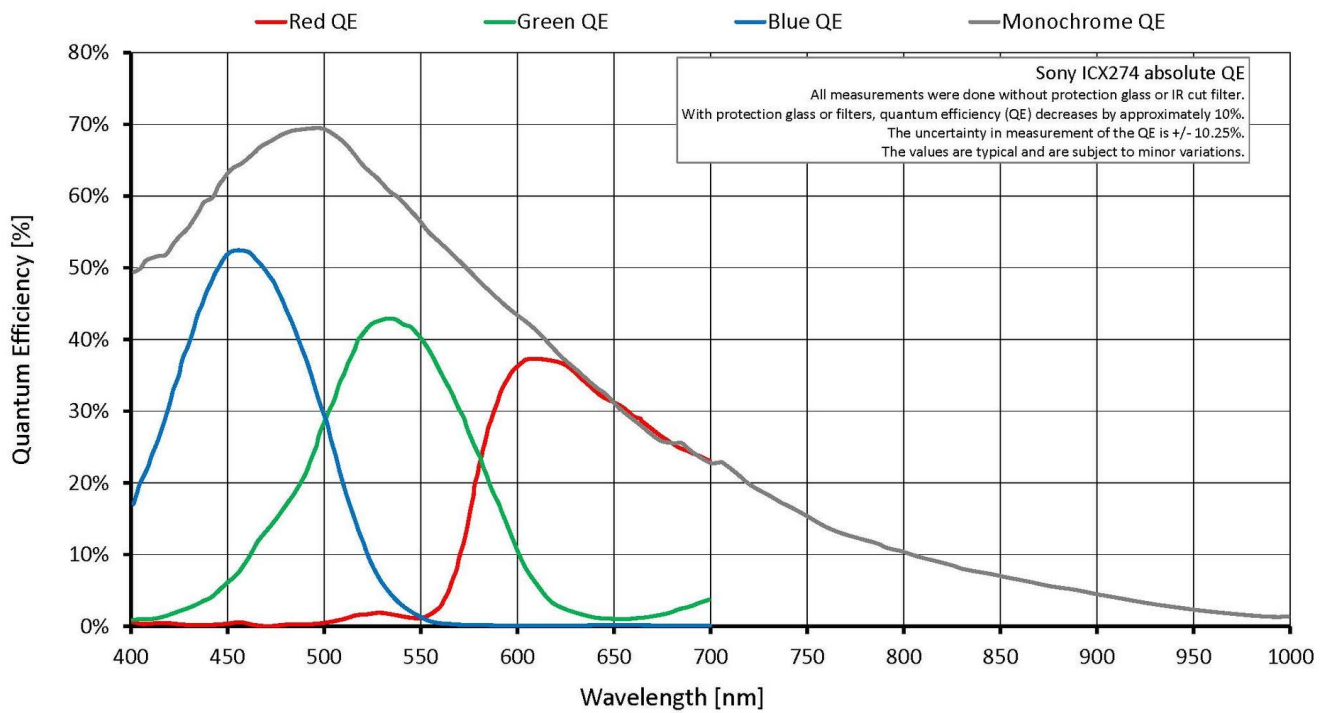
## Accessories for Cameras for Multi-Camera Systems - Manta G-201B PoE

| 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°d   | RJ45/RJ45, 90° angled downwards, in tight spaces, for GigE Vision cameras                      |
| 4-44-189                | GigE cable, CAT.6, 3m, 90°u   | RJ45/RJ45, 90° 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°d   | RJ45/RJ45, 90° angled downwards, in tight spaces, for GigE Vision cameras                      |
| 4-44-190                | GigE cable, CAT.6, 5m, 90°u   | RJ45/RJ45, 90° 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°d  | RJ45/RJ45, 90° angled downwards, in tight spaces, for GigE Vision cameras                      |
| 4-44-191                | GigE cable, CAT.6, 10m, 90°u  | RJ45/RJ45, 90° 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> |                               |                                                                                                |
| 4-44-197                | PLC-power cable, 12p, DC, 5m  | HR10A-10P-12S, plug with socket contacts to open cable end, drag chain capable                 |
| 4-44-198                | PLC-power cable, 12p, DC, 10m | HR10A-10P-12S, plug with socket contacts to open cable end, drag chain capable                 |

## Drawings



Dimensional drawing in mm



Quantum Efficiency