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

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**Short description:** Gigabit Ethernet camera 1/1.8" CCD,  
1600x1200, 14fps, mono, global shutter

**Order number:** 4-22-218



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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
  - 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 Specification                  |                                                              |
|---------------------------------------|--------------------------------------------------------------|
| Sensor name                           | Sony ICX274AL                                                |
| Spectrum                              | Monochrome                                                   |
| Shutter technology                    | Interline CCD, Progressive Scan                              |
| Sensor format                         | Global Shutter                                               |
| Sensor diagonal [mm]                  | 1/1.8"                                                       |
| Total resolution[Pixel]               | 8.9 mm                                                       |
| Total pixel [MP]                      | 1600 x 1200 *                                                |
| Pixel size [µm]                       | 2.0 MPixel                                                   |
| Sensor technology                     | 4.4 µm x 4.4 µm                                              |
| Sensor alternatives (same technology) | 14 fps                                                       |
| Camera Specification                  |                                                              |
| 0 dB ... 31 dB                        |                                                              |
| Type                                  |                                                              |
| IR blocking filter                    | Allied Vision - Manta                                        |
| LAN speed [MBit/s]                    | GigE Vision area scan camera                                 |
| Protection class                      | GigE Vision without PoE<br>opto-decoupled I/Os 2x IN, 2x OUT |
| General Information                   |                                                              |
| 8 V - 30 VDC AUX (12-pin Hirose)      |                                                              |
| POE                                   | < 3.6 W (at 12 V DC)                                         |
| Lens Mount                            | C-Mount                                                      |
| Weight [g]                            | 86.4 mm x 44 mm x 29 mm (including connections)              |
| Housing dimensions                    | 200 g                                                        |

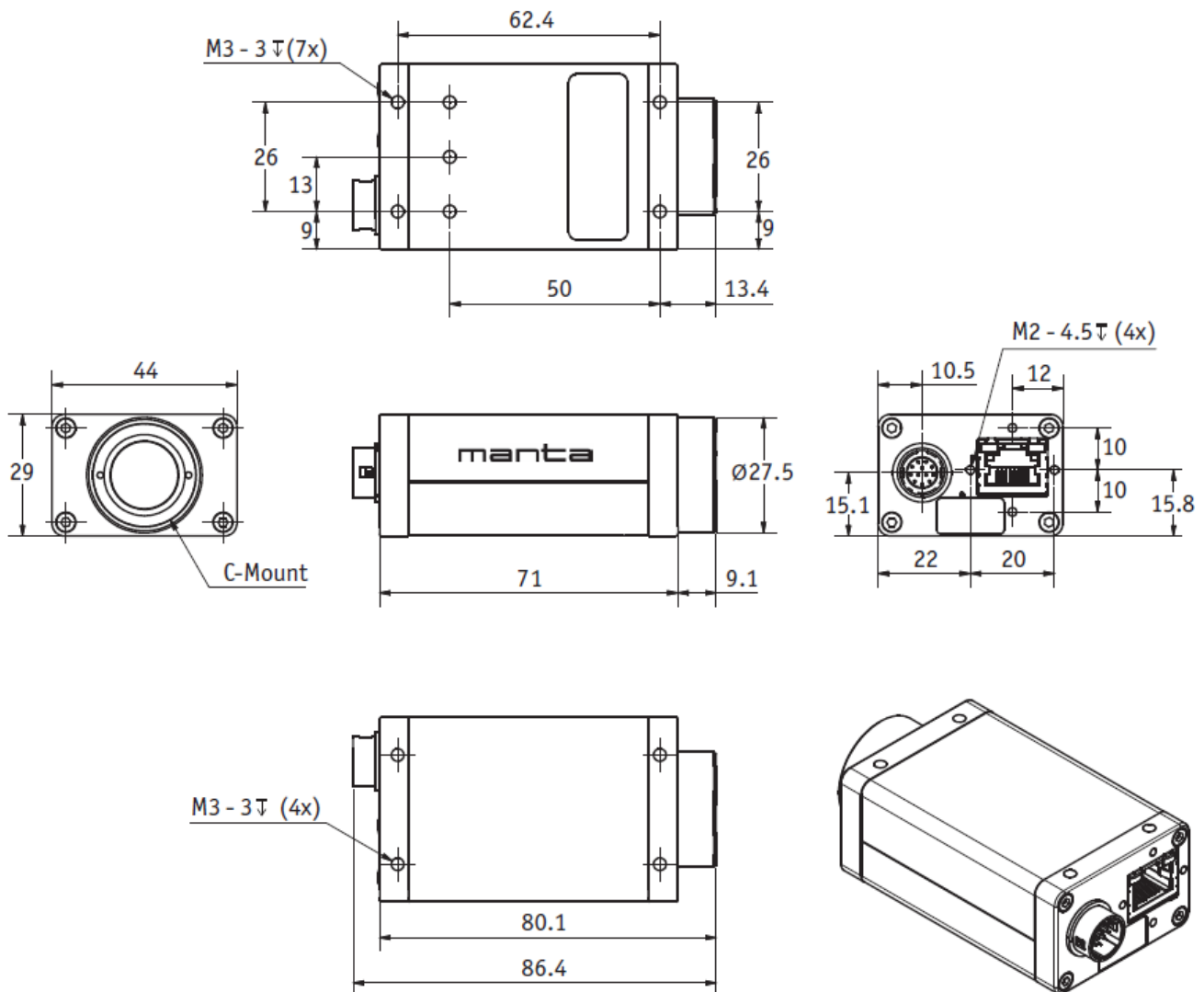
## Notices

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

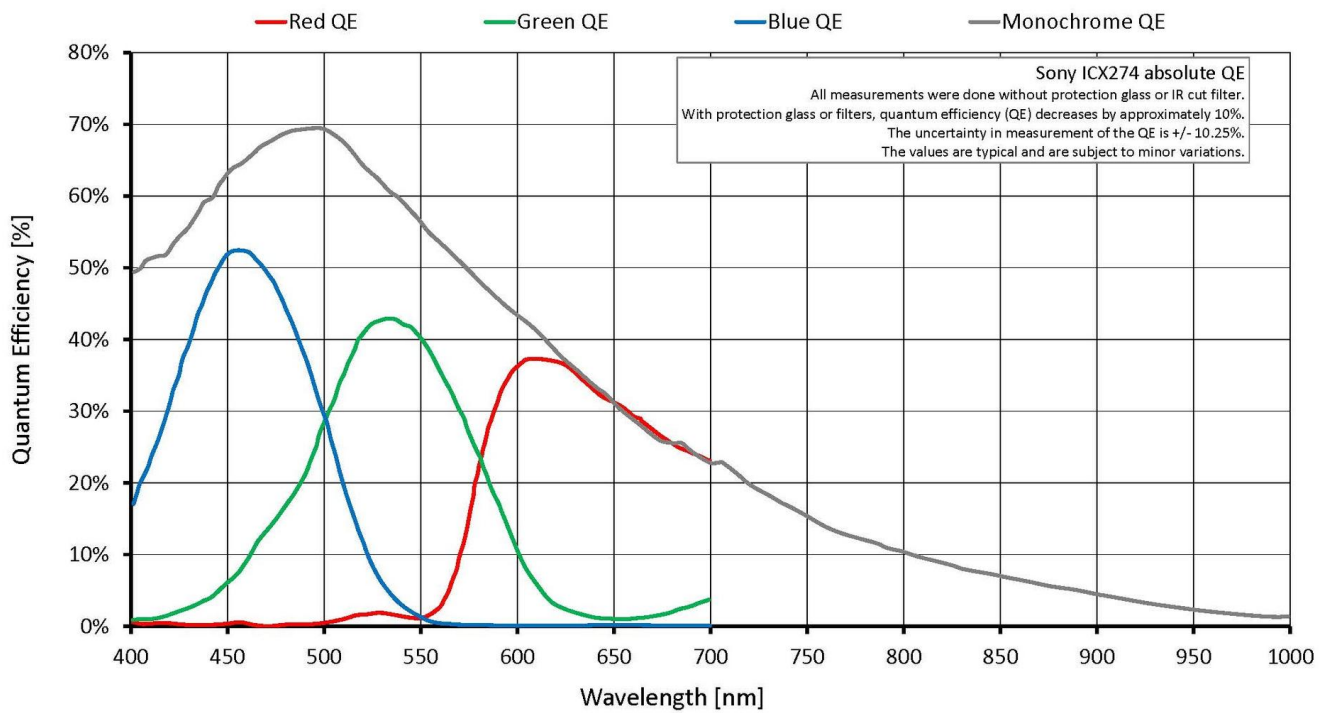
## Accessories for Cameras for Multi-Camera Systems - Manta G-201B

| 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> |                                            |                                                                                                |
| 4-44-197                | 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