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## Camera for Multi-Camera Systems - Prosilica GT2750 PoE

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**Short description:** PoE - Gigabit Ethernet Camera 1" CCD,  
2464x2056, 23fps, mono, global shutter

**Order number:** 3-12-590



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### Characteristics

- GigE area scan camera for industrial applications
  - 1" CCD monochrom sensor with 6 megapixel resolution
  - extended temperature range for use in harsh industrial environments
  - 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 ICX694ALG                  |
| Chroma                  | Monochrome                      |
| Sensor technology       | Interline CCD, Progressive Scan |
| Readout method          | Global Shutter                  |
| Sensorformat            | 1"                              |
| Sensor diagonal         | 16.0 mm                         |
| Resolution total        | 2750 x 2200                     |
| Number of pixel         | 6.0 MPixel                      |
| Pixel size              | 4.54 µm x 4.54 µm               |
| Frame rate              | 19.8 fps                        |
| Shutter (exposure time) | 10 µs ... 26.8 s                |
| Gain control            | 0 dB ... 33 dB                  |
| Dynamic range           | 64.4 dB                         |

### Camera Data

|            |                                                           |
|------------|-----------------------------------------------------------|
| Family     | AVT - Prosilica GT                                        |
| Type       | GigE Vision area scan camera                              |
| Interfaces | GigE Vision with PoE<br>opto-decoupled I/Os 1x IN, 2x OUT |

### General Data

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| Power requirements | Power over Ethernet (PoE)<br>7 V - 25 VDC AUX (12-pin Hirose) |
| Power consumption  | 6.6 W (PoE); 5.4 W (at 12 VDC)                                |
| Lens mount         | C-Mount                                                       |
| Dimensions         | 92 mm x 53.3 mm x 33 mm (including connectors)                |
| Weight             | 224 g                                                         |

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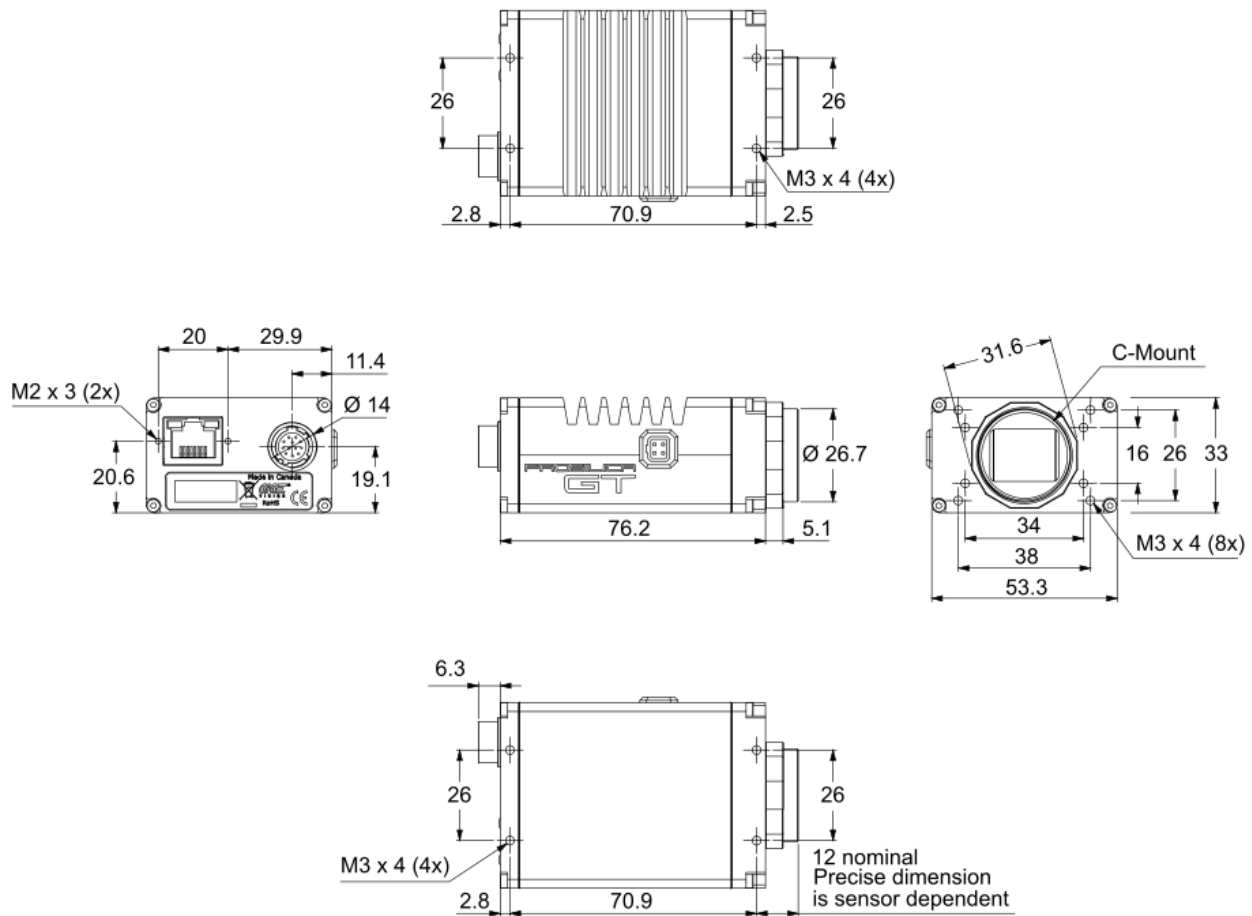
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|-----------------------|------------------|
| Operating temperature | -20 °C ... 60 °C |
|-----------------------|------------------|

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## Accessories for Cameras for Multi-Camera Systems - Prosilica GT2750 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                 |

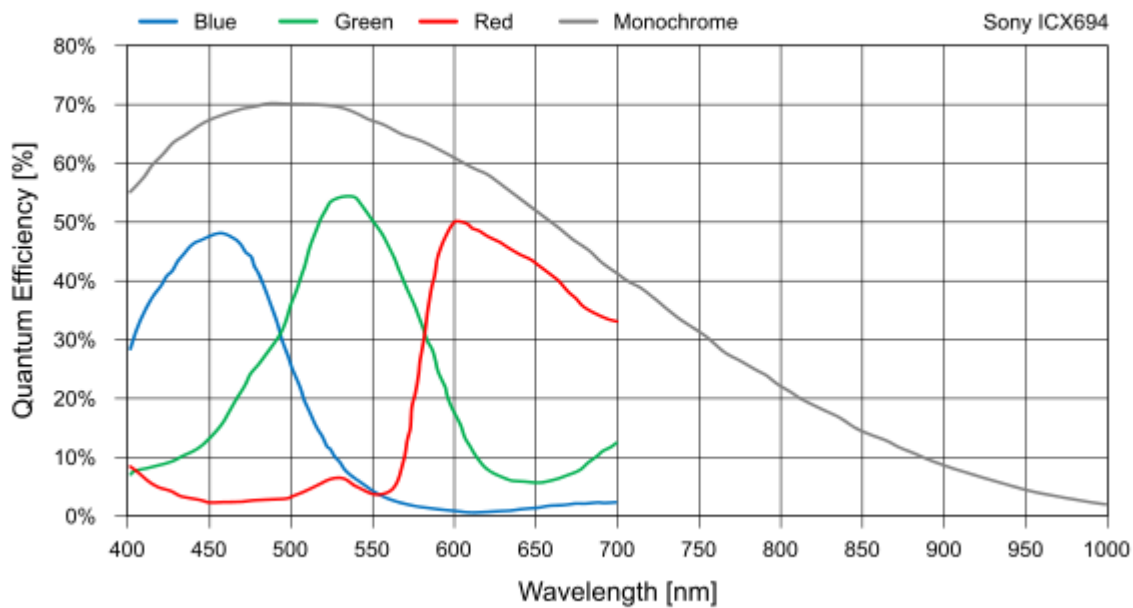
## Drawings



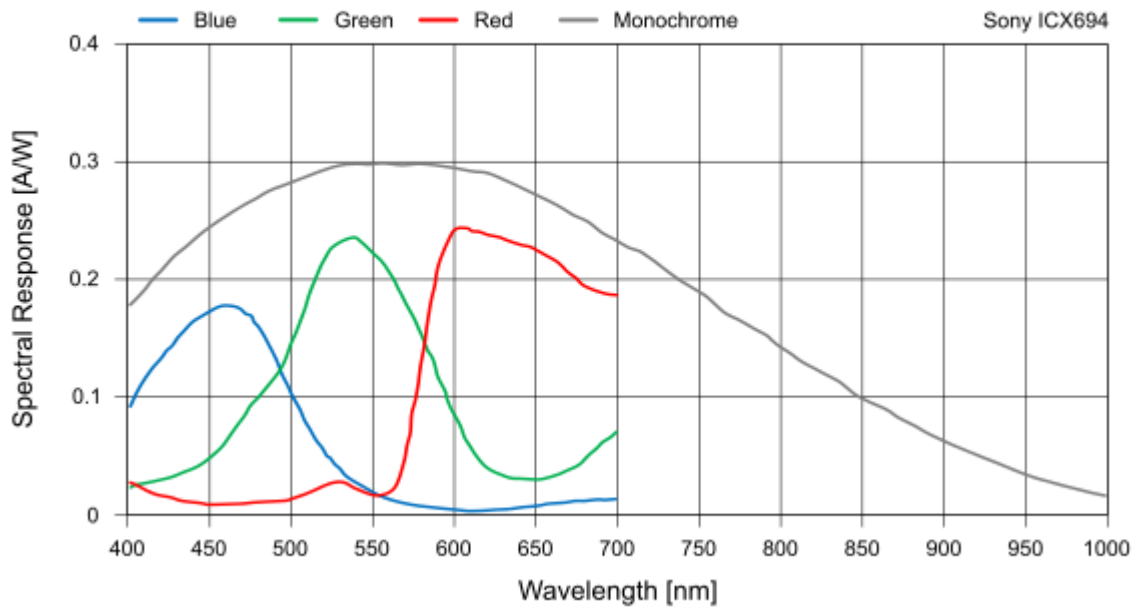
Models: Prosilica GT1660, GT1910, GT1920, GT2300, GT2750, GT3400  
Mount: C-Mount (default)

Dimensional drawing in mm

## Absolute Quantum Efficiency



## Spectral Response



Absolute QE / Spectral response