
Camera for Multi-Camera Systems - Prosilica GT1920 PoE

Short description: PoE - Gigabit Ethernet Camera 2/3" CCD,
1936x1456, 40fps, mono, global shutter

Order number: 3-12-586



Characteristics

- GigE area scan camera for industrial applications
 - 2/3" CCD monochrom sensor with 2.8 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 ICX674ALG
Chroma	Monochrome
Sensor technology	Interline CCD, Progressive Scan
Readout method	Global Shutter
Sensorformat	2/3"
Sensor diagonal	11.0 mm
Resolution total	1936 x 1456
Number of pixel	2.8 MPixel
Pixel size	4.54 µm x 4.54 µm
Frame rate	40.7 fps
Shutter (exposure time)	10 µs ... 26.8 s
Gain control	0 dB ... 33 dB
Dynamic range	64.5 dB

Camera Data

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

General Data

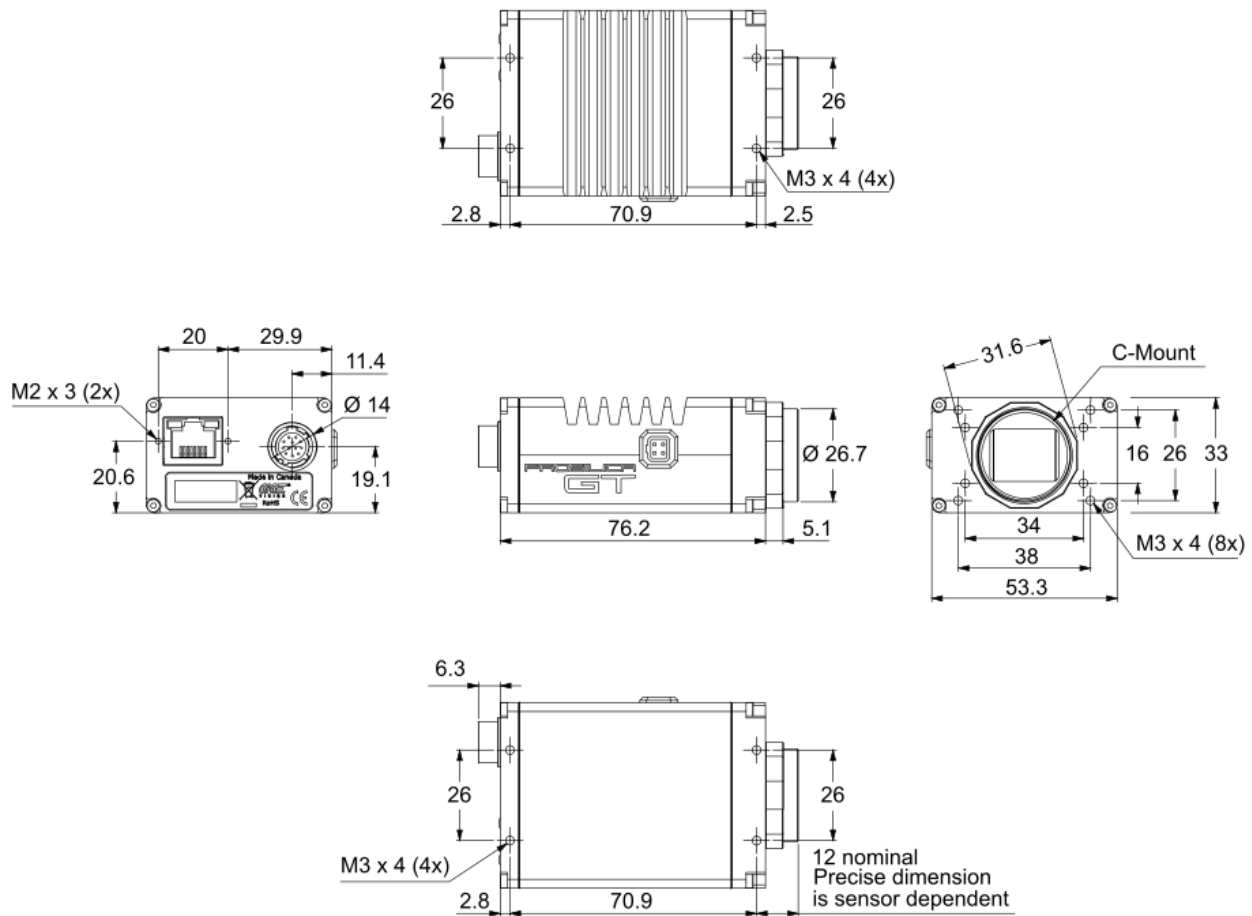
Power requirements	Power over Ethernet (PoE) 7 V - 25 VDC AUX (12-pin Hirose)
Power consumption	6.0 W (PoE); 4.9 W (at 12 VDC)
Lens mount	C-Mount
Dimensions	92 mm x 53.3 mm x 33 mm (including connectors)
Weight	224 g

Operating temperature	-20 °C ... 60 °C
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Accessories for Cameras for Multi-Camera Systems - Prosilica GT1920 PoE

Order number	Title	Description
Ethernet Cables		
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
PLC-Power Cables		
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

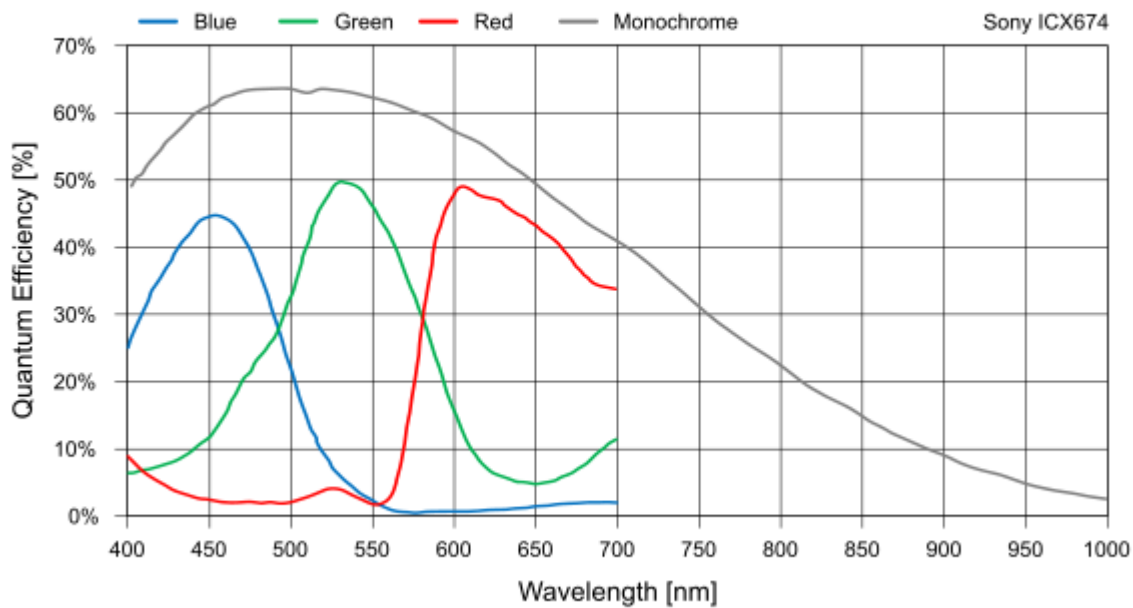
Drawings



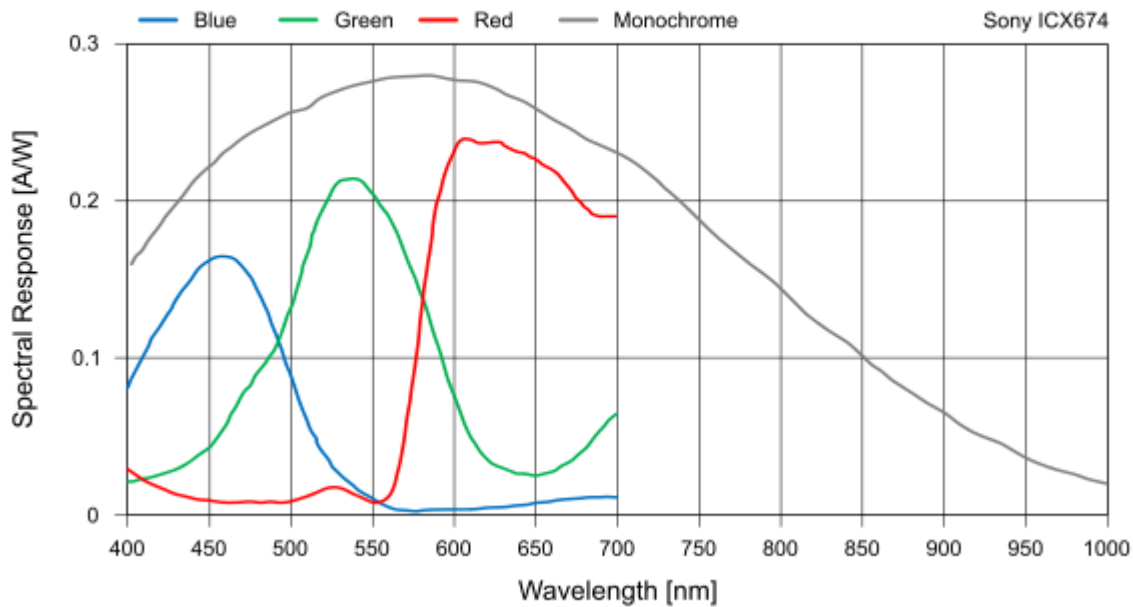
Models: Prosilica GT1660, GT1910, GT1920, GT2300, GT2750, GT3400
Mount: C-Mount (default)

Dimensional drawing in mm

Absolute Quantum Efficiency



Spectral Response



Absolute QE / Spectral response