

Prosilica GC. Compact performance.



Prosilica GC

- Fast frame rates
- Ultra-compact, lightweight housing
- Large choice of CCD and CMOS sensors
- Fits a wide range of applications

Prosilica GC L x W x H = 51-59 x 46 x 33 mm incl. connectors, w/o tripod and lens. Mass < 112 g

Model	Interface	Resolution	MPixels	Frame rate	Sensortype	Sensor	Cell size	A/D	Memory
GC650	GigE	659 x 493	0.3	90 fps	1/3 CCD	Sony ICX424	7.4 µm	12 bits	16 MB
GC655	GigE	659 x 493	0.3	119 fps	1/2 CCD	Sony ICX414	9.9 µm	12 bits	16 MB
GC660	GigE	659 x 493	0.3	119 fps	1/4 CCD	Sony ICX618	5.6 µm	12 bits	16 MB
GC750*	GigE	752 x 480	0.4	67 fps	1/3 CMOS	Aptina MT9V022	6.0 µm	10 bits	16 MB
GC780	GigE	782 x 582	0.5	64 fps	1/2 CCD	Sony ICX415	8.3 µm	12 bits	16 MB
GC1020	GigE	1024 x 768	0.8	33 fps	1/3 CCD	Sony ICX204	4.65 µm	12 bits	16 MB
GC1290	GigE	1280 x 960	1.2	32 fps	1/3 CCD	Sony ICX445	3.75 µm	12 bits	16 MB
GC1350	GigE	1360 x 1024	1.4	20 fps	1/2 CCD	Sony ICX205	4.65 µm	12 bits	16 MB
GC1380	GigE	1360 x 1024	1.4	20 fps	2/3 CCD	Sony ICX285	6.45 µm	12 bits	16 MB
GC1380H	GigE	1360 x 1024	1.4	30 fps	2/3 CCD	Sony ICX285	6.45 µm	12 bits	16 MB
GC1600	GigE	1620 x 1220	2	15 fps	1/1.8 CCD	Sony ICX274	4.4 µm	12 bits	16 MB
GC1600H	GigE	1620 x 1220	2	25 fps	1/1.8 CCD	Sony ICX274	4.4 µm	12 bits	16 MB
GC2450	GigE	2448 x 2050	5	15 fps	2/3 CCD	Sony ICX625	3.45 µm	12 bits	16 MB

*Standard version with CS-Mount

Prosilica GC Cameras

The Prosilica GC is a GigE camera with an ultra-compact, lightweight housing, fast frame rates, and auto-iris control. It offers a large choice of CCD and CMOS sensors up to 5 Megapixels and fits a wide range of applications.

Options

- CS-Mount adapters (CS-Mount not applicable for type 2/3 sensors and larger)
- IR cut filter on monochrome cameras

Operating Conditions

Power requirements	DC 5 V - 25 V via 12-pin HIROSE
Power consumption	≤ 3.8 W (@ 12 V DC)
Operating temperature	+0 ... +50 °C ambient temperature
Storage temperature	-10 ... +70 °C ambient temperature
Regulations	CE, FCC Class A, RoHS (2011/65/EU)

Smart Features

- Video-type auto-iris
- Region of Interest
- Gain, exposure
- White balance
- DSP subregion (selectable ROI for auto features)
- Binning (only CCD cameras)
- Stream hold
- Recorder mode (pre/post trigger recording)
- StreamBytesPerSecond (easy bandwidth control)
- Event channel
- Chunk data
- Storable user sets