

// EXTREME

Prosilica GT – Strong Performance



With robust thermal housings and precise iris and focus control, Prosilica GT cameras are constructed especially for use under tough outdoor conditions with extreme temperature variations and constantly changing light. Available with CCD and CMOS sensors with resolutions of up to 29 megapixels, the models of the Prosilica GT camera series are ideal for use in any challenging situation.

Key facts

- // 1.3 to 29 Megapixels
- // Sony and OnSemi CCDs, CMOSIS CMOS sensors
- // Up to 62 fps



Benefits and features

- // Wide operating temperature range
- // P-iris and DC-iris control
- // F-Mount, Canon EF-Mount
M42-Mount and M58-Mount available
- // NIR variants
- // Power over Ethernet (PoE)
- // Optocoupled and TTL I/Os, RS232
- // Precision Time Protocol (PTP)
- // Look-up tables, gamma, color correction
- // Binning
- // Trigger over Ethernet (ToE)

// SPECIFICATIONS – OUR CAMERAS AT A GLANCE

Prosilica GT



Family-specific:

Interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
Operating temperature	-20 °C ... +60 °C (ambient)
Power requirements	DC 7 V ... 25 V via HIROSE or PoE
Power consumption	typ. < 6.6 W @ 12 V DC
I/Os	2 in, 2 out, opto-coupled and TTL
Dimensions (L x W x H)	See www.alliedvision.com
Regulations	CE, FCC Class A, RoHS (2011/65/EU)

Prosilica GT



Model-specific:

	GT1290	GT1380	GT1600	GT1660
Sensor	Sony ICX445	Sony ICX285	Sony ICX274	OnSemi KAI-02050
Resolution	1280 x 960	1360 x 1024	1620 x 1220	1600 x 1200
Megapixels	1.2	1.4	2	1.9
Sensor type	1/3 CCD	2/3 CCD	1/1.8 CCD	2/3 CCD
Max. frame rate	33 fps	30 fps	25 fps	62 fps
Cell size	3.75 µm	6.45 µm	4.4 µm	5.5 µm
Standard mount	C-Mount	C-Mount	C-Mount	C-Mount
Mono/color/NIR variant	yes/yes/no	yes/yes/no	yes/yes/no	yes/yes/no

Model-specific:

	GT1910	GT1920	GT1930	GT2000
Sensor	OnSemi KAI-02150	Sony ICX674	Sony IMX174	CMOSIS CMV2000
Resolution	1920 x 1080	1936 x 1456	1936 x 1216	2048 x 1088
Megapixels	2.1	2.8	2.4	2.2
Sensor type	2/3 CCD	2/3 CCD	1/1.2 CMOS Progressive	2/3 CMOS
Max. frame rate	57 fps	40 fps	50 fps	53 fps
Cell size	5.5 µm	4.54 µm	5.86 µm	5.5 µm
Standard mount	C-Mount	C-Mount	C-Mount	C-Mount
Mono/color/NIR variant	yes/yes/no	yes/yes/no	yes/yes/no	yes/yes/yes

// SPECIFICATIONS – OUR CAMERAS AT A GLANCE

Prosilica GT



Model-specific:	GT2050	GT2300	GT2450
Sensor	CMOSIS CMV4000	OnSemi KAI-04050	Sony ICX625
Resolution	2048 x 2048	2336 x 1752	2448 x 2050
Megapixels	4.2	4.1	5
Sensor type	1/1 CMOS	1/1 CCD	2/3 CCD
Max. frame rate	28 fps	29 fps	15 fps
Cell size	5.5 µm	5.5 µm	3.45 µm
Standard mount	C-Mount	C-Mount	C-Mount
Mono/color/NIR variant	yes/yes/yes	yes/yes/no	yes/yes/no

Model-specific:	GT2750	GT3300	GT3400
Sensor	Sony ICX694	OnSemi KAI-08051	Sony ICX814
Resolution	2750 x 2200	3296 x 2472	3384 x 2704
Megapixels	6.1	8.1	9.1
Sensor type	1/1 CCD	4/3 CCD	1/1 CCD
Max. frame rate	19 fps	14 fps	13 fps
Cell size	4.54 µm	5.5 µm	3.69 µm
Standard mount	C-Mount	F-Mount	C-Mount
Mono/color/NIR variant	yes/yes/no	yes/yes/no	yes/yes/no

Prosilica GT large format



Model-specific:	GT 1930L	GT4905	GT4907	GT6600
Sensor	Sony IMX174	OnSemi KAI-16050	OnSemi KAI-16070	OnSemi KAI-29050
Resolution	1936 x 1216	4896 x 3264	4864 x 3232	6576 x 4384
Megapixels	2.4	16	15.7	28.5
Sensor type	1/1.2 CMOS Progressive	APS-H CCD	35 mm CCD	35 mm CCD
Max. frame rate	50.7 fps	7.5 fps	7.6 fps	4 fps
Cell size	5.86 µm	5.5 µm	7.4 µm	5.5 µm
Standard mount	EF-Mount PA	F-Mount	F-Mount	F-Mount
Mono/color/NIR variant	yes/yes/no	yes/yes/no	yes/yes/no	yes/yes/no

Options for Prosilica GT and Prosilica GT large Format:

Standard body

// CS-Mount, F-Mount, Birger EF-Mount, M42-Mount

Large format body

// F-Mount, F-Mount PA, PA-Mount, M42-Mount, M42-Mount PA, M58-Mount, M58-Mount PA

Sensor variants

// Taped cover glass with or without microlenses available (selected models)