

High-Resolution GigE Camera Runs 27 fps

- High Resolution - 1280 x 1024
- Fast frame rate: 27 fps at full resolution
- 2/3" CMOS sensor with 6.0 μm square pixels
- Gigabit Ethernet interface
- Very small and light weight
- Asynchronous external trigger and sync I/O



Resolution	1280x1024
Sensor Type	2/3" CMOS progressive scan IBIS5B
Pixel Size (μm)	6.7 x 6.7
Maximum Frame Rate	27 fps at 1280x1024
Lens Mount	C-mount
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	10 μs to 1s
Region of Interest (ROI)	Independent x and y control; 1 pixel resolution
Binning	N/A
Imaging Modes	External Trigger, Fixed frame rate, Software trigger
External Trigger Modes	Rising edge, Falling edge, Any edge, Level high, Level low
External Sync Modes	Trigger ready, Trigger input, Exposing, Readout, Imaging, Strobe, GPO
External Trigger/ Sync Connection	12-pin Hirose
Monochrome Modes	Mono8
Color Modes	N/A
GPIO	1 isolated TTL input, 1 isolated TTL output, 1 non-isolated TTL input, 1 non-isolated TTL output, RS232 I/O
Power Consumption	less than 2.3 W (12V)
Housing Size	33x46x33 mm
Weight	93 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

*GigE Vision™ is a trademark of the Automated Imaging Association
 Specifications are subject to change without notice
 Please refer to the Prosilica web site for a full list of specifications

About the GC1280

The GC1280 is an ultra-compact, high-resolution, machine vision camera with Gigabit Ethernet interface (GigE Vision). The GC1280 runs 27 frames per second at 1280x1024 resolution over the GigE Vision-compliant Gigabit Ethernet interface. The CMOS sensor has excellent anti-blooming characteristics. The GC1280 has limited sensitivity and should be used only in applications that have ample illumination.

Applications for the GC1280 include:

- industrial inspection
- machine vision
- microscopy
- ophthalmology
- fluorescence
- aeronautical and aerospace
- public security
- surveillance
- traffic imaging

The Prosilica Advantage

- Image quality
- High reliability
- High performance
- Ultra-Compact
- Ease of use and integration
- Rich set of camera features

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