

## High-Resolution GigE Camera I

- 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



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