

High-performance CCD & CMOS Cameras for Machine Vision and Digital Imaging

HIGH PERFORMANCE

GIGABIT

ETHERNET

ULTRA-

COMPACT



Features

- Ultra-compact size
- Gigabit Ethernet (GigE Vision™)
- Fast framerates
- Color and monochrome
- Region of interest readout
- Extensive binning functions
- Excellent SDK included
- Long cable lengths
- Rich feature set
- Lightweight
- Rugged design
- External trigger and sync
- On-camera color interpolation

Prosilica Advantage

Prosilica's Gigabit Ethernet (GigE Vision™) digital cameras are ideal for a wide range of demanding industrial imaging applications including manufacturing quality control, semiconductor inspection, food processing, aeronautics, test and measurement, traffic imaging, public security, character recognition, robotics, surveillance and more.

- **Excellent Products**
- **Advanced Engineering**
- **Great Software**
- **Excellent Support**

Prosilica's GC Series ultra-compact Gigabit Ethernet cameras incorporate the latest interface technology and advanced camera features. These GigE Vision™ compliant cameras are available in a wide range of resolutions, frame rates, and sensor formats.



	GC640 GC640C	GC650 GC650C	GC1020 GC1020C	GC1350 GC1350C	GC1380 GC1380C	GC1600 GC1600C
Resolution	659×480	659×493	1024×768	1360×1024	1360×1024	1620×1220
Frame Rate	200 fps	90 fps	30 fps	20 fps	20 fps	15 fps
Sensor Type	½" CMOS	⅓" CCD	⅓" CCD	½" CCD	⅔" CCD	⅜" CCD
Sensor	MT9V403	ICX424	ICX204	ICX205	ICX285	ICX274
Pixel Size (um)	9.9×9.9	7.4×7.4	4.65×4.65	4.65×4.65	6.45×6.45	4.4×4.4
Readout	Progressive scan CMOS	Progressive Scan CCD				
Interface Type	Gigabit Ethernet - IEEE 802.3 - 1000base T					
Digital Interface	GigE Vision™ (GenICam compatible)					
Mono/Color	Yes/Yes					
Color Modes	Mono8, Mono16*, Bayer8, Bayer16, RGB24, YUV4:1:1, YUV4:2:2, YUV4:4:4					
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					
Region of Interest	Independent x, y control from 1×1 to full resolution					
Binning	N/A	Square binning modes up to 8×8, Rectangular binning up to full vertical resolution				
Power Requirements	Less than 3.5 W @ 12VDC					
Conformity	CE, FCC, RoHS					
SDK	Free of charge - includes sample code and driver					

GigE Vision is a registered trademark of the Automated Imaging Association.

Specifications subject to change without notice.

Please refer to Prosilica's website for information on other Gigabit Ethernet (GigE Vision) camera models.

*Mono16 is available only with monochrome camera models.