

205 fps VGA CCD Camera with GigE Vision

- 1/3" CCD sensor with 7.4 µm square pixels
- Global shutter (Snapshot shutter)
- Gigabit Ethernet interface
- Asynchronous external trigger and sync I/O
- Region of Interest readout (AOI partial scan)
- Binning modes up to 8x8



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Resolution	640x480
Sensor Type	1/3" CCD Kodak KAI-0340D
Pixel Size (µm)	7.4 x 7.4
Maximum Frame Rate	205 fps at 640x480
Lens Mount	C-mount with adjustable back focus
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	25µs to 60s
Region of Interest (ROI)	Independent x and y control; 1 pixel resolution
Binning	Independent H and V control
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	mini-SMB and 12-pin Hirose
Monochrome Modes	Mono8, Mono16**
Color Modes	Bayer8, Bayer16, RGB24, YUV411, YUV422, YUV444, BGR24, RGBA24, BGRA24
GPIO	1 isolated TTL input, 3 isolated TTL outputs, RS232 I/O
Power Consumption	4.5 W (12V)
Housing Size	39x51x63 mm
Weight	169 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

About the GE680 / 680C

The GE680 is a very fast, VGA-resolution, high-performance machine vision camera with Gigabit Ethernet interface. The CCD sensor is suitable for applications where speed and good sensitivity are required.

Applications for the GE680 include:

- high-speed inspection
- machine vision
- optical character recognition
- traffic imaging
- robotics
- OEM applications

The Prosilica Advantage

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

*GigE Vision™ is a trademark of the Automated Imaging Association

**Mono16 is available on monochrome models only

Specifications are subject to change without notice

Please refer to the Prosilica web site for a full list of specifications