PROSILICA

GE1050 / 1050C
(Preliminary)

High Resolution CCD camera - 60 fps

- High resolution - 1 megapixels (1024 x 1024)
- Kodak KAI-01050 1/2" Progressive scan CCD
- Global shutter (Snapshot shutter)
- Fast frame rate - 60 fps at full-resolution
- GigE Vision compliant
- Binning modes

GiGE VISION™

Resolution	1024x1024
Sensor Type	1/2" CCD progressive scan Kodak KAI-01050
Pixel Size (µm)	5.5 x 5.5
Maximum Frame Rate	60 fps at 1000x1000
Lens Mount	C-mount with adjustable back focus
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	50µs 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	5 W (12V)
Housing Size	39x51x63 mm
Weight	169 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

*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

About the GE1050 / 1050C

The 1 Megapixel GE1050 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision) with very fast frame rate. The GE1050 incorporates the Kodak KAI-01050 CCD running 60 frames per second at 1000 x 1000 resolution and even faster with region of interest readout. The progressive scan architecture and global electronic shutter provide excellent image quality for full motion video and still image capture.

Applications for the GE1050 include

- industrial inspection
- machine vision
- medical imaging
- public security
- surveillance
- traffic imaging
- OEM applications.

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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Advanced Engineering | Great Software | Excellent Support