2/3" Format Sensor with Excellent Image Quality

- 4:3 aspect ratio
- Global shutter (Snapshot shutter)
- Fast frame rate - 34 fps at full-resolution
- Gigabit Ethernet interface
- Region of Interest readout (AOI partial scan)
- Asynchronous external trigger and sync I/O

Resolution	1620x1220
Sensor Type	2/3" CCD progressive scan Kodak KAI-02050
Pixel Size (µm)	5.5 x 5.5
Maximum Frame Rate	34 fps at 1620x1220
Lens Mount	C-mount with adjustable back focus
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	10µs 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 GE1660 / 1660C

The 2 Megapixel GE1660 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision™). The GE1660 incorporates a high-quality 2/3" Kodak KAI-2020 CCD sensor providing excellent monochrome and color image quality in 4:3 format. The GE1660 runs 30 frames per second at 1600 x1200 resolution and even faster with region of interest readout.

Applications for the GE1660 include:

- industrial inspection
- machine vision
- LCD panel inspection
- medical imaging
- ophtalmology
- aeronautical and aerospace
- 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