PROSILICA

GE1650 / 1650C

30 fps CCD Camera with GigE Vision

- High resolution - 2 megapixels (1600 x 1200)
- Kodak KAI-2020 Progressive scan CCD
- Global shutter (Snapshot shutter)
- Gigabit Ethernet interface
- Region of Interest readout (AOI partial scan)
- Asynchronous external trigger and sync I/O

Resolution	1600x1200
Sensor Type	1" CCD progressive scan Kodak KAI-2020
Pixel Size (µm)	7.4 x 7.4
Maximum Frame Rate	32 fps at 1600x1200
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 GE1650 / 1650C

The 2 Megapixel GE1650 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision). The GE1650 incorporates a high-quality Kodak KAI-2020 CCD sensor providing excellent monochrome and color image quality in 4:3 format.

Applications for the GE1650 include:

- industrial inspection
- machine vision
- LCD panel inspection
- medical imaging
- ophthalmology
- 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