Camera Specifications	GX1660 / GX1660C
Resolution	1600x1200
Sensor Type	2/3" CCD progressive scan Kodak KAI-02050
Pixel Size (µm)	5.5 x 5.5
Maximum Frame Rate (full resolution)	68 fps
Lens Mount	C-mount with adjustable back focus (optional CS-mount)
Digital Interface*	GigE Vision 1.0
Interface Type	Double Speed IEEE 802.3 1000base
Exposure Range	10µs to 60s
Gain Range	TBD
Region of Interest (ROI)	Independent x and y control; 1 pixel resolution
Frame Rate at 100 x 100 ROI**	TBD
Binning	Independent H and V control; 1 pixel resolution
Horizontal Binning Range	1 to 8 pixels
Vertical Binning Range	1 to 1200 pixels
2x2 binning max. framerate	TBD
Imaging Modes	Free-running, External Trigger, Fixed frame rate, Software trigger
Fixed Frame Rate Control	0.001 fps to maximum frame rate
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
Trigger Delay Control Range	0 to 60s in 1 µs increments
Trigger Latency	5 µs
Trigger Jitter	+/-10ns
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, motorized lens control, video autoiris
Max. Power Consumption	6.2 W (12 V)
Max. Operating Temperature	50 C
Housing Size (not including lens mount and connectors)	39x51x63 mm
Total Size Envelope (HxWxL)	39x51x80 mm
Nom. Weight	169g
Conformity	CE, FCC, RoHS
Digitization	12 bits
Spectral Sensitivity Range	325 - 1000 nm

Specifications are subject to change without notice.

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

**These figures are given as an example. There are a wide range of settings and speeds possible. Smaller ROI and/or higher binning modes will give even faster maximum framerates.

†Mono16 is available on monochrome models only.

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