C5 Series

Technical Specifications

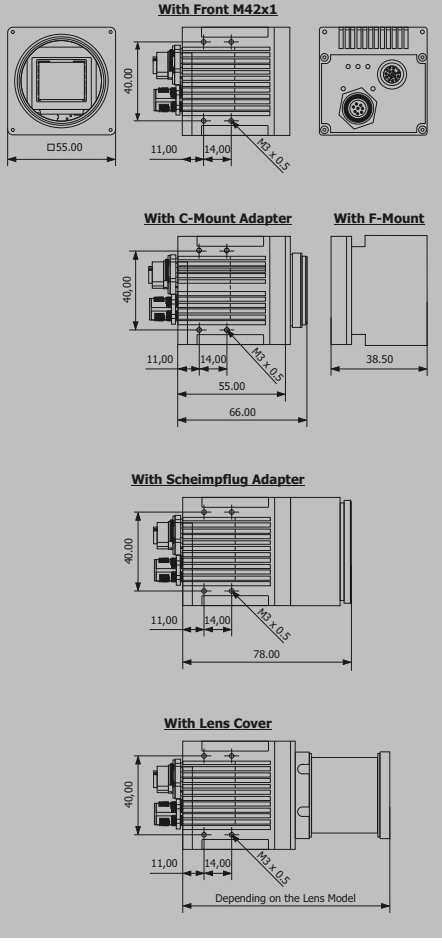
	C5-1280-GigE			C5-2040(-4M*)-GigE		C5-3360-GigE		C5-4090-GigE	
Sensor Resolution	1280 (H) x 1024 (V)			2048 (H) x 1088 (V) 2048 (H) x 2048 (V)*		3360 (H) x 2496 (V)		4096 (H) x 3072 (V)	
Pixel Size	6.6 µm x 6.6 µm			5.5 µm x 5.5 µm		5.5 µm x 5.5 µm		5.5 µm x 5.5 µm	
Dynamic Range (*with HDR-3D)	90 dB			90 dB		90 dB (with HDR-3D)		90 dB (with HDR-3D)	
Digitization	10 Bit			10 Bit		10 Bit		10 Bit	
Sensitivity	9.6 V/lux.s @ 525 nm			5.56 V/lux.s @ 550 nm		5.56 V/lux.s @ 550 nm		4.64 V/lux.s @ 550 nm	
Sensor Algorithm	MAX, TRSH, COG, FIR-PEAK			MAX, TRSH, COG, FIR-PEAK		MAX, TRSH, COG, FIR-PEAK		MAX, TRSH, COG, FIR-PEAK	
Profile Length in 3D-Mode	1280 Pixel per Profile			2048 Pixel per Profile		3360 Pixel per Profile		4096 Pixel per Profile	
Typical Profile Speed depending on Number of Sensor Rows	Sensor Rows	Profile Speed with 1280 Pixel	Profile Speed with 688 Pixel	Sensor Rows	Profile Speed (with 2048 Pixel)	Sensor Rows	Profile Speed (with 3360 Pixel)	Sensor Rows	Profile Speed (with 4096 Pixel)
Height Resolution can be increased by using TRSH (1/2 pixel) or COG/FIR-PEAK (1/64 pixel) without Loss of Speed	1024	1.07 kHz	1.86 kHz	2048*	180 Hz*	2496	105 Hz	3072	75 Hz
	256	4.26 kHz	7.40 kHz	1088	340 Hz	1024	255 Hz	512	450 Hz
	128	8.48 kHz	14.7 kHz	256	1.4 kHz	128	1.8 kHz	128	1.7 kHz
	32	32.8 kHz	59.1 kHz	64	5.2 kHz	32	5.4 kHz	32	5.8 kHz
	16	63.0 kHz	110 kHz	16	16.0 kHz	16	8.0 kHz	16	9.7 kHz
	8	116 kHz	192 kHz	8	25.0 kHz	8	10.0 kHz	8	14.5 kHz
Max. Frame Rate for Image Mode (Full Frame)	- 288 fps (Internal Recording) - 94 fps (via GigE Vision)			- 90 fps (Internal Recording) - 25 fps (via GigE Vision)		- 52 fps (Internal Recording) - 12 fps (via GigE Vision)		- 32 fps (Internal Recording) - 9 fps (via GigE Vision)	

* = only with Model C5-2040-4M-GigE

General C5 Camera Specifications

Interface Specifications	
Digital Input	2 Electrical Isolated Inputs (5 -24 V DC)
Digital Output	2 Electrical Isolated Outputs (5 -24 V DC)
Encoder / Resolver Input	Resolver Interface with Signals A,/A, B, /B, Z, /Z High Speed, Triple RS-422 / RS-485 Receiver Max. Input Voltage TTL (optional HTL ± 24 V DC)
Analog Output	Range: 0 - 5 V DC
Data Interface	GigE Vision with GenICam Protocol
Power Requirements	
Power Supply	10 - 24V DC
Power Consumption	<6 W
Mechanical Specifications	
Lens Mount	C-Mount / M42 with F-Mount Adapter
Size	55 mm x 55 mm x 55 mm
Mass (without Lens & Adaptor)	200 g
Housing Mount	M3 + Adaptor Plate with Metric and Inch Threads
Enviromental Specifications	
Operating Temperature	0°C to +50°C (Non-Condensing)
Storage Temperature	-30°C to +70°C
General	
PC Requirements	Gigabit Ethernet NIC
Operating Systems	Windows 10 / 8 / 7 / XP, Vista, Linux
Software Environments	Configuration Tool CX-Explorer, GenICam API, Compatible with any GigE Vision compliant Image Processing Library, e.g. CVB, NI-IMAQ, HALCON, MIL, VisionPro, EyeVision, GOM

Mechanical Size



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Automation Technology
Vision Sensors and Systems

AT - Automation Technology GmbH
Hermann-Bössow-Straße 6-8
D-23843 Bad Oldesloe

Telefon: +49-(0) 45 31 / 88011-0
E-Mail: info@automationtechnology.de
Internet: www.automationtechnology.de

Sales contact: