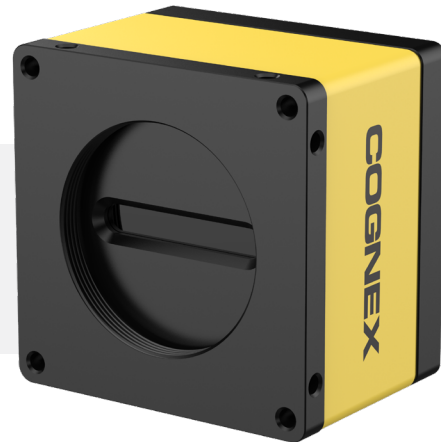


Cognex Industrial Camera

CIC-L042-CG-28-G

- Trusted Cognex® brand
- Designed for Cognex Vision Software
- GigE Vision® and GenICam Compatible



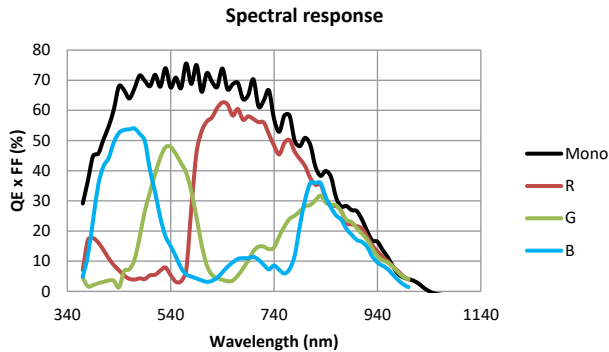
- 1Gbps Ethernet Interface
- 64MB on-board Frame Buffer
- CE, FCC, RoHS, REACH compliant
- Software Trigger/ Hardware Trigger/ Free Run Mode

Specifications

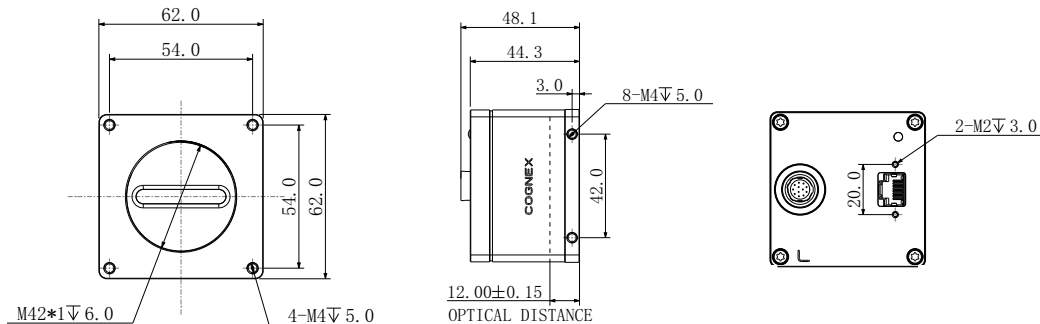
Model	Interface	Resolution	fps	Mono / Color	Sensor	Sensor Type	Shutter	Sensor Size
CIC-L042-CG-28-G	GigE	4096 × 2	28KHz	Color	Gpixel	CMOS	Global	28.7mm

Model Name	CIC-L042-CG-28-G
Effective Pixels	4096 × 2
Resolution (H x V)	4096 × 2
Pixel Size (μm)	7 × 7
Pixel Format	BayerRG8/10/12, RGB8Packed, YUV422Packed
Digital I/O	(2) Differential/single-ended inputs (1) Differential configurable input or output (1) High-speed Opto-isolated single-ended input (1) GPIO configurable input or output
Exposure Time	8μs~100ms
Compliance	CE, FCC, RoHS, REACH
Lens Mount	M42 × 1
Dimensions	62mm × 62mm × 44mm
Weight	260g
Power Consumption (PoE / AUX)	4.5W
Trigger Mode	Software Trigger / Hardware Trigger / Free Run Mode
Storage Temperature	-30 °C ~ +80 °C
Operating Temperature	-30 °C ~ +50 °C

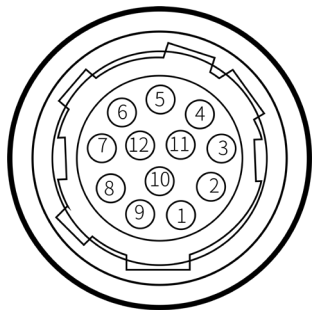
Spectrogram



Dimensions



I/O Connection



Pin	Signal	Description
1	Power GND	Power Ground
2	Camera Power	Power Supply
3	IN Line1+	Input Line1+
4	IN Line1-	Input Line1-
5	Signal GND	Signal ground
6	IN Line2+	Input Line2+
7	IN Line2-	Input Line2-
8	IN Line4	Bidirectional GPIO Line4
9	IN/OUT Line3-	Configurable input/output Line3+
10	IN/OUT Line3+	Configurable input/output Line3-
11	OPT_IN Line5	Opto-isolated input Line5
12	OPT GND	Opto-isolated ground point

COGNEX

Companies around the world rely on Cognex vision and barcode reading solutions to optimize quality, drive down costs, and control traceability.

Corporate Headquarters One Vision Drive Natick, MA 01760 USA

Regional Sales Offices

Americas

North America +1 844 999 2469
Brazil +55 11 4210 3919
Mexico +800 733 4116

Europe

Austria +43 800 28 16 32
Belgium +32 289 370 75
Czechia +420 800 023 519
France +33 1 76 54 93 18
Germany +49 721 958 8052
Hungary +36 800 80291

Ireland +353 21 421 7500
Italy +39 02 3057 8196
Netherlands +31 207 941 398
Poland +48 717 121 086
Romania +40 741 041 272
Spain +34 93 299 28 14
Sweden +46 21 14 55 88
Switzerland +41 445 788 877
Turkey +90 216 900 1696
United Kingdom +44 121 29 65 163

Asia-Pacific

Australia +61 2 7202 6910
China +86 21 5875 1133

India +91 7305 040397
Indonesia +62 21 3076 1792
Japan +81 3 5977 5400
Korea +82 2 539 9047
Malaysia +6019 916 5532
New Zealand +64 9 802 0555
Phillipines +63 2 8539 3990
Singapore +65 3158 3322
Taiwan +886 02 7703 2848
Thailand +66 6 3230 9998
Vietnam +84 98 2405167

© Copyright 2024, Cognex Corporation.
All information in this document is subject to change without notice. All Rights Reserved. Cognex is a registered trademarks of Cognex Corporation. All other trademarks are property of their respective owners. 05-2024

www.cognex.com