

Cognex Industrial Camera

CIC-A12-CR-8-G

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



- 1Gbps Ethernet Interface
- 256MB on-board Frame Buffer
- CE, FCC, RoHS, REACH compliant
- Software Trigger/ Hardware Trigger/ Free Run Mode

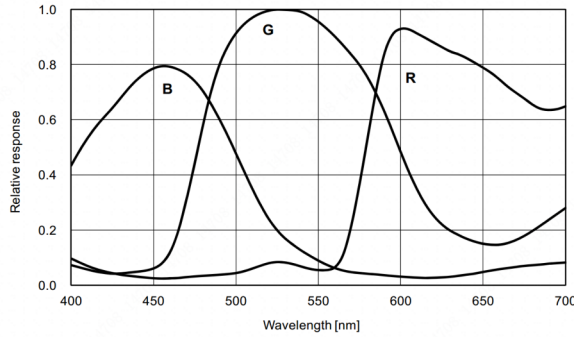
Specifications

Model	Interface	Resolution	fps	Mono / Color	Sensor	Sensor Type	Shutter	Sensor Size
CIC-A12-CR-8-G	GigE	12.0MP	8	Color	IMX226	CMOS	Rolling	1/1.7"

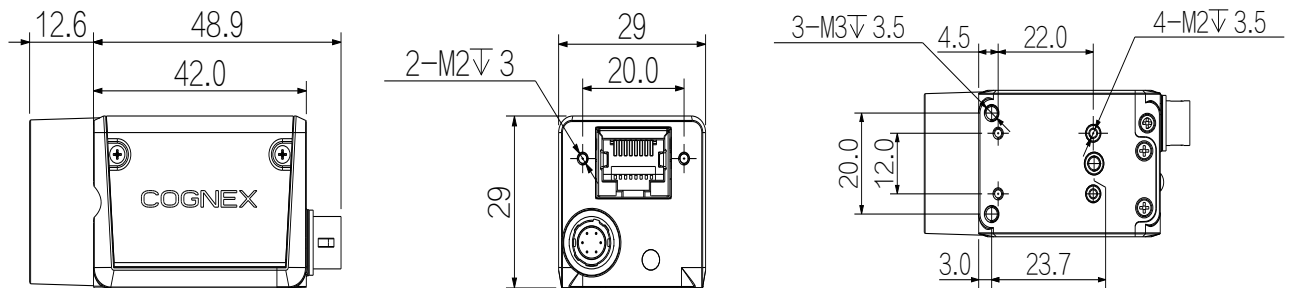
Model Name	CIC-A12-CR-8-G
Effective Pixels	12.0MP
Resolution (H x V)	4000 x 3000
Pixel Size (µm)	1.85 x 1.85
Pixel Format	Mono8 BayerRG8/10/10Packed/12/12Packed YUV422_8_UYVY,YUV422_8
Digital I/O	(1) Opto-isolated input (1) Opto-isolated output (1) Configurable input/output (without opto – isolation)
Exposure Time	16µs~1s
Compliance	CE, FCC, RoHS, REACH
Lens Mount	C-mount
Dimensions	29mm x 29mm x 42mm
Weight	88g
Power Consumption (PoE / AUX)	12V/3.5W
Trigger Mode	Software Trigger / Hardware Trigger / Free Run Mode
Storage Temperature	-30 °C ~ +80 °C
Operating Temperature	0 °C ~ +50 °C

Spectrogram

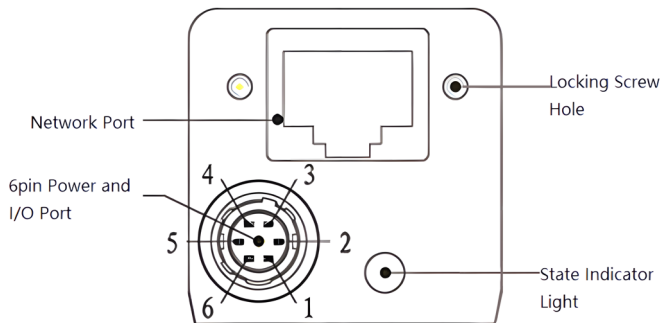
(excludes lens characteristics and light source characteristics)



Dimensions



I/O Connection



Pin	Signal	Description
1	Power	DC9V-24Vinput
2	Line1	Opto-isolated input
3	Line2	GPIO (I/O can be configured for non-isolated software)
4	Line0	Opto-isolated output
5	IO GND	Opto-isolated ground
6	GND	Ground

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
 Philippines +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