

Cognex Industrial Camera

CIC-A20-MR-6-G

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



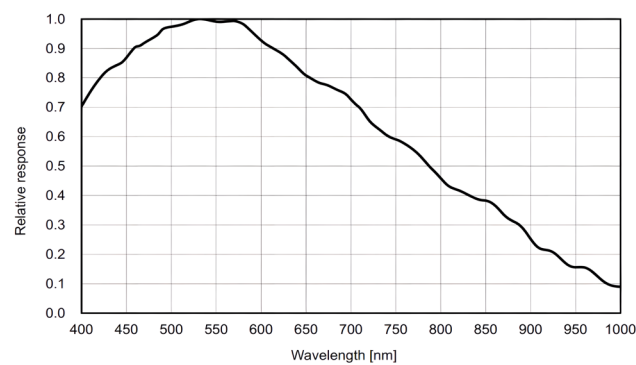
- 1Gbps Ethernet Interface
- 256MB on-board Frame Buffer
- CE, FCC, RoHS, REACH compliant
- Software Trigger/ Hardware Trigger/ Free Run Mode

Specifications

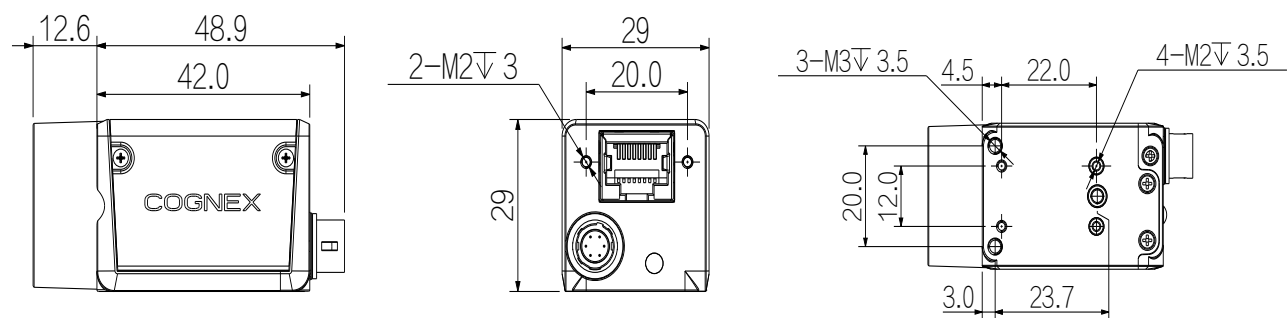
Model	Interface	Resolution	fps	Mono / Color	Sensor	Sensor Type	Shutter	Sensor Size
CIC-A20-MR-6-G	GigE	20MP	6	Mono	IMX183	CMOS	Rolling	1"

Model Name	CIC-A20-MR-6-G
Effective Pixels	20MP
Resolution (H x V)	5472 x 3648
Pixel Size (μm)	2.4 x 2.4
Pixel Format	Mono8/10/10Packed
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/3.3W
Trigger Mode	Software Trigger / Hardware Trigger / Free Run Mode
Storage Temperature	-30 °C ~ +80 °C
Operating Temperature	0 °C ~ +50 °C

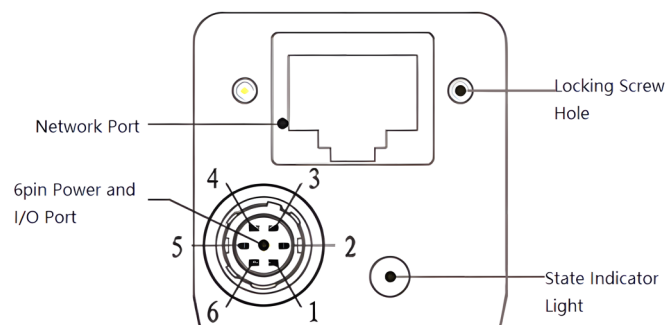
Spectrogram



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.

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