

## Cognex Industrial Camera

CIC-A20-MR-20-U

- Trusted Cognex® brand
- Designed for Cognex Vision Software
- USB3.0 Vision Protocol and GenICam Compatible



- 5 Gbps USB3.0 Interface
- USB Interface Power Supply Option
- CE, FCC, RoHS Compliant
- Software Trigger/ Hardware Trigger/ Free Run Mode

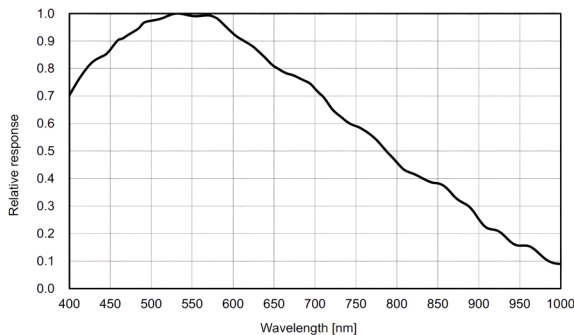
### Specifications

Model	Interface	Resolution	fps	Mono / Color	Sensor	Sensor Type	Shutter	Sensor Size
CIC-A20-MR-20-U	USB3.0	20MP	19.6	Mono	IMX183	CMOS	Rolling	1"

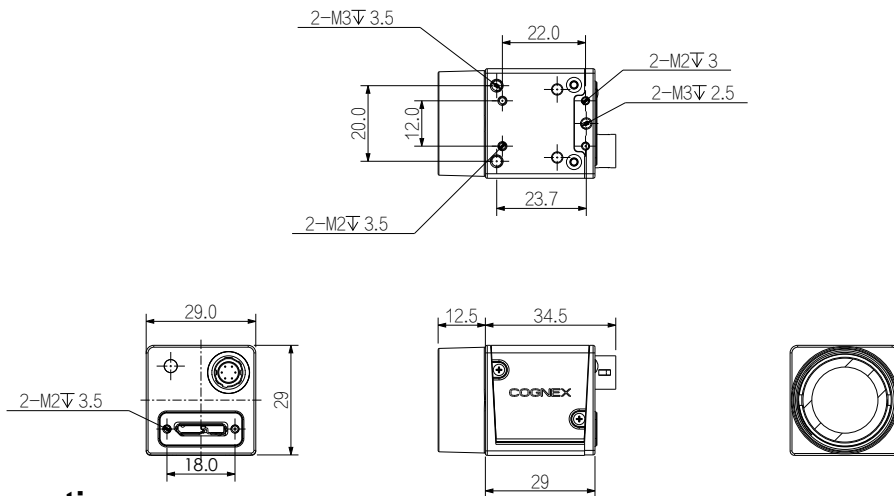
Model Name	CIC-A20-MR-20-U
Effective Pixels	20MP
Resolution (H x V)	5472 x 3648
Pixel Size (µm)	2.4 x 2.4
Pixel Format	Mono8/10/10Packed
Digital I/O	(1) Opto-isolated input (1) Opto-isolated output (1) Configurable input/output (without opto – isolation)
Exposure Time	16µs~1s
Compliance	CE, FCC, RoHS
Lens Mount	C-mount
Dimensions	29mm × 29mm × 29mm
Weight	68g
Power Consumption (PoCXP / AUX)	24V/3.2W
Trigger Mode	Software Trigger / Hardware Trigger / Free Run Mode
Storage Temperature	-30 °C ~ +80 °C
Operating Temperature	-30 °C ~ +50 °C

# Spectrogram

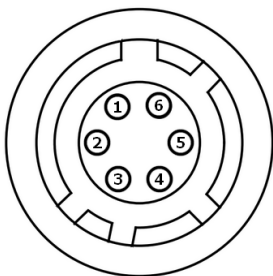
(Excludes lens characteristics and light source characteristics)



# Dimensions



# I/O Connection



Pin	Signal	Description
1	Power Supply	DC9V-24V Input
2	Line1	Opto-isolated Input
3	Line2	GPIO (I/O configurable for non-isolated software )
4	Line0	Opto-isolated Output
5	I/O GND	Opto-isolated Ground
6	GND	Power Ground and GPIO 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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