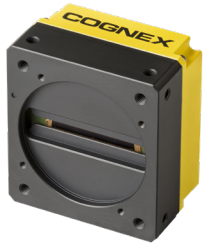
COGNEX

COGNEX INDUSTRIAL CAMERAS

- Trusted Cognex® brand
- Designed for Cognex Vision Software
- GigE Vision® standard



The Cognex family of digital industrial cameras are designed for easy integration with our industry-leading Cognex Vision Software products. These small, lightweight cameras can address a wide variety of applications.

Cognex stands behind its reputation as being the leader in the machine vision market and now you can too. Show your true colors—Cognex's signature black and yellow that is—and show your customers that you have the leading machine vision technology integrated into your system.

Integration with Cognex Vision Software provides access to a comprehensive library of tools for meeting all of your machine vision needs.

GigE Vision

GigE Vision is a global camera interface standard developed using the Gigabit Ethernet communication protocol. GigE Vision allows for fast image transfer using low cost standard cables over very long lengths. Cognex GigE Vision cameras offer robust performance at an affordable price in a compact form factor.

- Area scan and line scan
- 1.3–31 MP resolution
- Global and rolling shutters
- Small footprint
- Precise sensor alignment
- I/O flexibility with minimum delay and jitter for applications requiring exact timing
- 3-year warranty

Cognex Designer makes it faster to build complete vision applications and allows developers to more easily take full advantage of the powerful VisionPro tool library. Learn more at www.cognex.com/products/machine-vision/vision-software/cognex-designer-software

VisionPro software makes it faster than ever to create and deploy solutions for the most challenging machine vision applications. Learn more at www.cognex.com/visionpro

Model Comparison

AREA SCAN

Model Number	Body Type	Reso-lution	Frame Rate	Sensor	Sensor Size	Power Consumption	Lens Mount	Color / Mono	Pixel Bit Depth	Power Requirements	Housing Temperature	Weight
ROLLING SHUTTER												
CAM-CIC-5000R-14-G	A	5MP	14fps	Aptina MT9P031	1/2.5”	2.5W/2.2W	C	M	12 bits	PoE or 12 VDC	up to 50°C	90g
CAM-CIC-5MR-14-GC	A	5MP	14fps	Aptina MT9P031	1/2.5”	2.5W/2.2W	C	C	12 bits	PoE or 12 VDC	up to 50°C	90g
CAM-CIC-6MR-18G-1	A	6MP	19 fps	Sony IMX178	1/1.8”	3.4W	C	M	12 bits	PoE or 9–24 VCD	-30°C ~ +50°C	88g
CAM-CIC-10MR-10-G	A	10MP	10fps	Aptina MT9J003	1/2.3”	3.3W/3.5W	C	M	12 bits	PoE or 12–24 VCD	up to 50°C	90g
CAM-CIC-10MR-10-GC	A	10MP	10fps	Aptina MT9J003	1/2.3”	3.3W/3.5W	C	C	12 bits	PoE or 12–24 VCD	up to 50°C	90g
CAM-CIC-10MR-10G-1	A	10MP	10fps	Aptina MT9J003	1/2.3”	3.3W/3.5W	C	M	12 bits	PoE or 9–24 VCD	-30°C ~ +50°C	88g
CAM-CIC-12MR-8-G	A	12MP	8fps	Sony IMX226	1/1.7”	2.5W/2.9W	C	M	10 or 12 bits	PoE or 12–24 VCD	up to 50°C	90g
CAM-CIC-12MR-8-GC	A	12MP	8fps	Sony IMX226	1/1.7”	2.5W/2.9W	C	C	10 or 12 bits	PoE or 12–24 VCD	up to 50°C	90g
CAM-CIC-12MR-8G-1	A	12MP	9 fps	Sony IMX226	1/1.7”	3.4W	C	M	12 bits	PoE or 9–24 VCD	-30°C ~ +50°C	88g
GLOBAL SHUTTER												
CAM-CIC-1300-60-G	A	1.3MP	60fps	e2v EV76C560	1/1.8”	2.4W/2.0W	C	M	12 bits	PoE or 12 VDC	up to 50°C	90g
CAM-CIC-1300-60-GC	A	1.3MP	60fps	e2v EV76C560	1/1.8”	2.4W/2.0W	C	C	12 bits	PoE or 12 VDC	up to 50°C	90g
CAM-CIC-2000-60-G	A	2MP	60fps	e2v EV76C570	1/1.8”	2.1W/2.5W	C	M	12 bits	PoE or 12 VDC	up to 50°C	90g
CAM-CIC-5000-20-G	A	5MP	23fps	Sony IMX264	2/3”	2.4 W/2.8 W	C	M	10 or 12 bits	PoE or 12 VDC	up to 50°C	90g
CAM-CIC-5000-20-GC	A	5MP	23fps	Sony IMX264	2/3”	2.4 W/2.8 W	C	C	10 or 12 bits	PoE or 12 VDC	up to 50°C	90g
CAM-CIC-5000-20G-1	A	5MP	24fps	Sony IMX264	2/3”	3.2W	C	M	12 bits	PoE or 9–24 VCD	-30°C ~ +50°C	88g
CAM-CIC-3100-3-G	G	31MP	3.82fps	Sony IMX342	APS-C	5.4W / 6.7W	F	M	12 bits	PoE or 7–25 VDC	-20°C to +50°C	372g
CAM-CIC-3100-3-G-1	G2	31MP	3.6fps	Sony IMX342	APS-C	7.86 W	M58 × 0.75	M	12 bits	24 VDC	-30°C ~ +50°C	487g
CAM-CIC-3100-3-GC1	G2	31MP	3.6fps	Sony IMX342	APS-C	7.86 W	M58 × 0.75	C	12 bits	24 VDC	-30°C ~ +50°C	487g

LINE SCAN

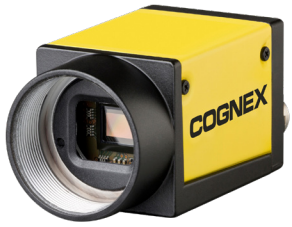
Model Number	Body Type	Reso-lution	Frame Rate	Sensor	Sensor Size	Power Consumption	Lens Mount	Color / Mono	Pixel Bit Depth	Power Requirements	Housing Temperature	Weight
CAM-CIC-4KL-24-G	R	4K	24kHz	Awaiba	N/A	4W	F	M	8 or 12 bits	12–24 VDC	up to 50°C	240g
				DR-4K-7					8/12 bits	12–24 VDC	up to 50°C	240g
CAM-CIC-4KL-28-G-1	R2	4K	28 kHz		N/A	4.5W	F	M	12 bits	12–24 VDC	-30°C ~ +50°C	245g

Compliance (All)
Area scan: CE, RoHS, GenICam, GigE Vision, IP30, UL, FCC, IEEE 802.3af (PoE)
Line Scan: CE, RoHS, GenICam, GigE Vision, IP30, UL, FCC

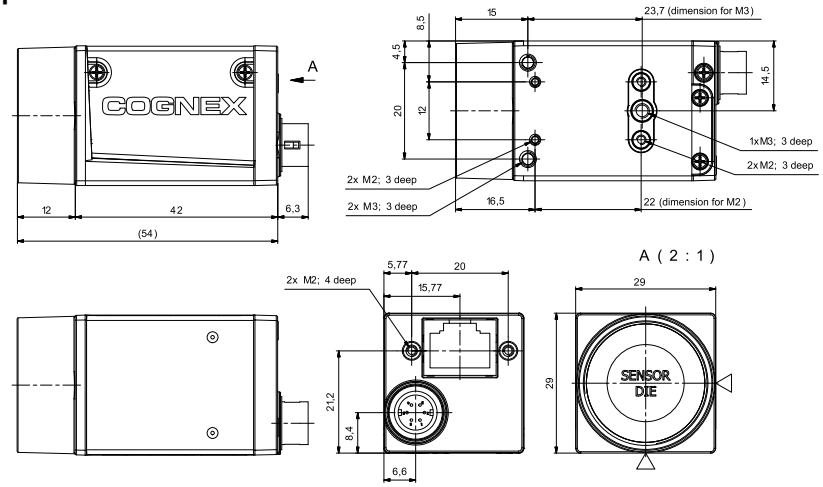
The most popular and standard proven data interfaces in the vision market means you benefit from GigE Vision market leadership, easy multi-camera setups and 100-meter cable length.

The advantages include:

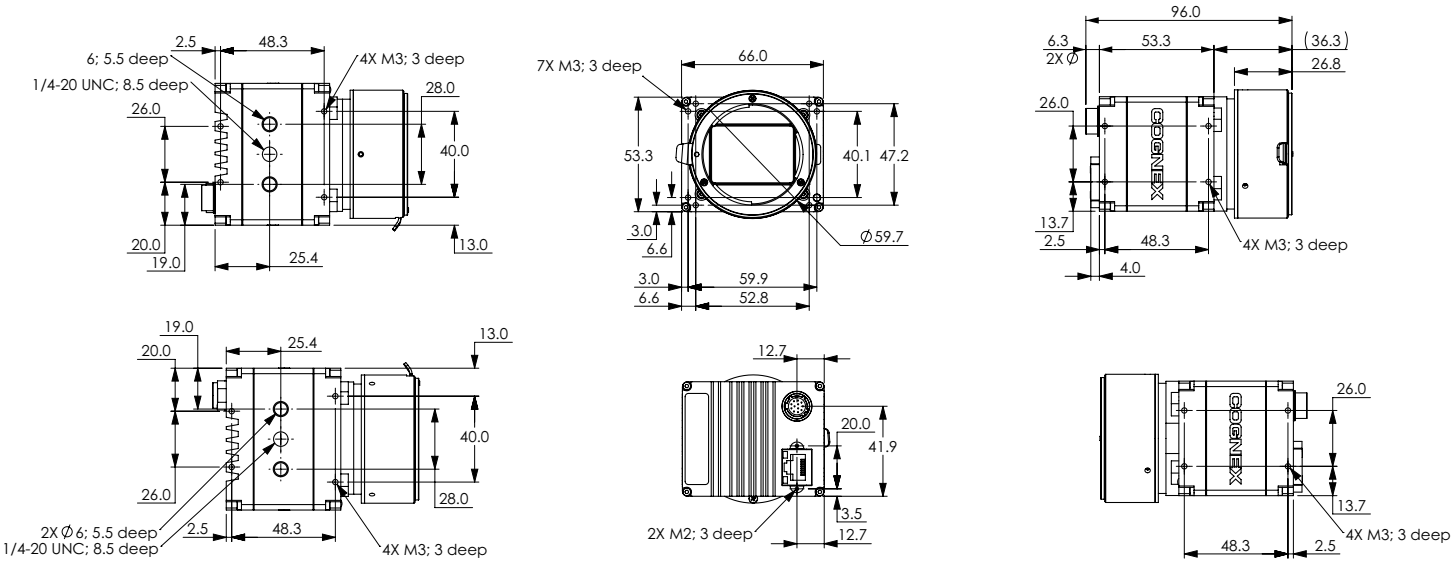
- One cable solutions: Gigabit Ethernet with PoE
- Latest CMOS sensors



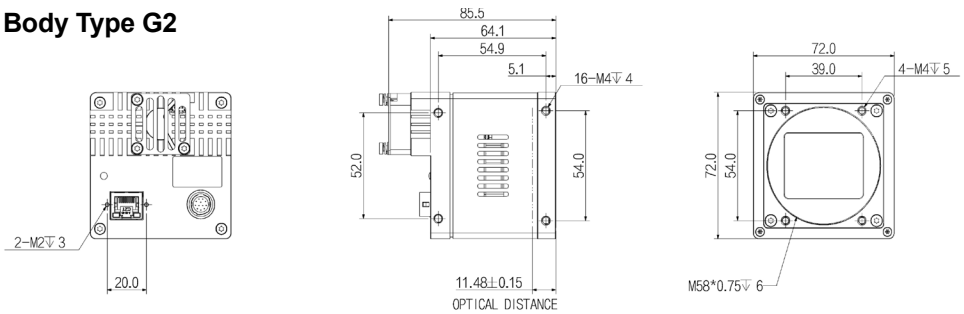
Body Type A



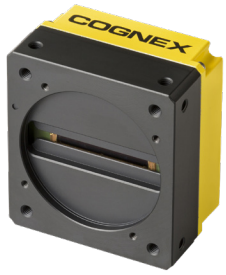
Body Type G



Body Type G2



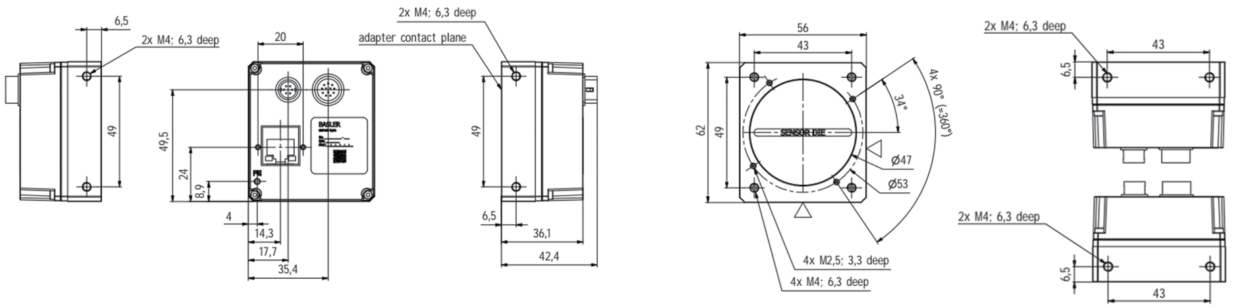
The CIC-4KL provides high performance thanks to CMOS technology. Its compact, slim, industrial housing is ideally suited for multi-camera systems with many line scan cameras installed next to each other. Based on their standard width, they can easily replace older line scan camera models.



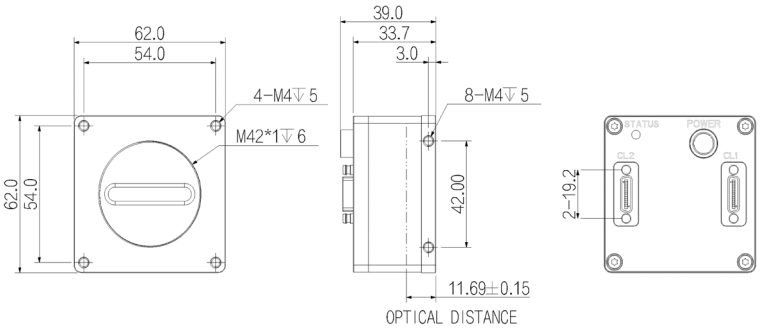
The advantages include:

- 4k resolution
- Outstanding price/performance ratio
- Fully quality tested and calibrated for consistently high performance and reliability

Body Type R: GigE



Body Type R2:



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