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HIGH RESOLUTION CAMERAS



Cognex is pleased to announce that we have added two new High Resolution cameras to our Cognex Industrial Camera (CIC) Series.

The Cognex CIC series now includes both a mono and color version of the 10mp camera, and the mono version of the 29mp camera.

The CIC-10MR offers the best price/performance ratio and the CIC-2900 is a high-performance camera with advanced features for demanding applications. The CIC series covers the most popular combinations of resolution and speed in the machine vision market and are competitively priced.

From electronic components, to automotive parts, to logistics, the extensive line of Cognex CIC cameras has you covered.

CIC Product ID	Resolution	Frame Rate	Type	Sensor Technology	Color/Mono
CAM-CIC-300	0.3MP	120fps	Area Scan	CCD Global Shutter	M
CAM-CIC-1300	1.3MP	60fps	Area Scan	CMOS Global Shutter	C, M
CAM-CIC-2000	2MP	60fps	Area Scan	CMOS Global Shutter	M
CAM-CIC-4000	4MP	25fps	Area Scan	CMOS Global Shutter	C, M
CAM-CIC-5000	5MP	17fps	Area Scan	CCD Global Shutter	M
CAM-CIC-5MR/5000R	5MP	14fps	Area Scan	CMOS Rolling Shutter	C, M
CAM-CIC-10MR	10MP	10fps	Area Scan	CMOS Rolling Shutter	C,M
CAM-CIC-2900	29MP	4fps	Area Scan	CCD Global Shutter	M
CAM-CIC-4KL-24-G	4k	26kHz	Line Scan	Linear CMOS	M
CIC Product ID	Resolution	Frame Rate	Type	Sensor Technology	Color/Mono
CAM-CIC-4KL-80-CL	4k	80kHz	Line Scan	Linear CMOS	M

Ordering information:

CAM-CIC-10MR-10-G/C

Specifications:

Resolution: 3856 X 2764	Sensor: Aptina MT9J003
Frame Rate: 10fps	Sensor Technology: Rolling Shutter
Type: Area Scan	Sensor Type: 1/2.3" CMOS
Pixel size: 1.67 µm x 1.67 µm	Mount: C-mount
Operating Temperature: 0 °C - 50 °C	Dimensions: 42.0 x 29.0 x 29.0 (mm)
Power Requirements (DC): PoE, or 12 VDC	Power Consumption 3.5 W - PoE, 3.3 W - typical

ORDERING INFORMATION:

Product ID: CAM-CIC-10MR-10-G or CAM-CIC-10MR-10-GC

Description: Cognex Industrial Camera, 10mp, GigE, rolling shutter, PoE

Status: The 10mp cameras will be preferred but we will start with a small quantity on-hand until we can determine the standard run rates for them.

Lenses for the 10mp camera:

Basler's own line of lenses work perfectly with the majority of our CIC cameras:

Product ID	Description
LBC-0418-5M	LENS, BASLER,C-MOUNT,F1.8, 4MM
LBC-0618-5M	LENS, BASLER,C-MOUNT,F1.8, 6MM
LBC-0818-5M	LENS, BASLER,C-MOUNT,F1.8, 8MM
LBC-1218-5M	LENS, BASLER,C-MOUNT,F1.8, 12M
LBC-1620-5M	LENS, BASLER,C-MOUNT,F2.0, 16M
LBC-2522-5M	LENS, BASLER,C-MOUNT,F2.2, 25M

Product Advisory: The mono version of the CAM-CIC-10MR may require a field calibration step to optimize pixel uniformity. Please refer to the Tech Note posted on the Specifications Tab on the Partner Portal. The Tech Note is also posted at <http://www.cognex.com/Support/VisionPro/>

CAM-CIC-2900-4-G

Specifications:

Resolution: 6576 x 4384	Sensor: OnSemi KAI-29050
Frame Rate: 4fps	Sensor Technology: Global Shutter
Type: Area Scan	Sensor Type: 35mm CCD
Pixel size: 5.5 µm	Mount: F-mount
Operating Temperature: -20°C to +50°C	Dimensions: 96 x 66 x 53.3 (mm)
Power Requirements (DC): PoE, or 7-25 VDC	Power Consumption (@12V): 8.1 W (PoE) / 6.6 W @ 12 VDC

ORDERING INFORMATION:

Product ID: CAM-CIC-2900-4-G

Description: Cognex Industrial Camera, 29mp, GigE, global shutter, PoE

Status: The 29mp cameras will be non-preferred. We may change this to preferred if we can establish effective run rates in the future.

Lenses for the 29mp camera:

We carry f-mount lenses from Edmund Optics that are ideal for the 29mp camera:

Product ID	Description
LEF-100F2.8	EDMUND F-MNT 100MM LENS, F/2.8
LEF-28F2.8-LWD	EDMUND F-MNT 28MM LONG,F/2.8
LEF-28F2.8-SWD	EDMUND F-MNT 28MM,SHORT,F/2.8
LEF-50F2	EDMUND F-MNT 50MM LENS, F/2.0