

- **Trusted Cognex brand**
- **Support for GigE Vision standard**
- **Designed for VisionPro software**

Cognex is pleased to offer a family of digital industrial cameras designed for easy integration with our industry-leading VisionPro® software. These small, lightweight GigE Vision® cameras can address a wide variety of applications.

As a machine builder, you can now clearly show your customers that you have integrated Cognex vision software into your machines, offering a great competitive advantage.

For large enterprise users, you can easily recognize the systems that utilize VisionPro software with these Cognex yellow industrial cameras.



## Small Cameras, Big Performance

The 29mm x 29mm cameras fit easily into most spaces and offer bottom mounting options. With GigE Vision, you also benefit from industry-standard interface technology that enables fast image transfer using low-cost standard cables up to 100 meters in length.

Integration with VisionPro software provides access to a comprehensive library of tools for meeting all of your machine vision needs—from geometric object location and inspection to identification and measurement. Combined with a flexible and powerful PC-based development interface, 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](http://www.cognex.com/visionpro).

### Features

- VGA to 5MP resolution
- Global and rolling shutter
- 29mm x 29mm footprint
- Single cable solution: GigE Vision with Power over Ethernet (PoE)
- I/O flexibility with minimum delay and jitter time
- 3-year warranty



## Four Models

| Model Number     | Resolution (H x V pixels) | Frame Rate | Sensor         | Sensor Technology     | Optical Sensor Size | Pixel Size (µm) | Power Consumption (PoE/AUX) |
|------------------|---------------------------|------------|----------------|-----------------------|---------------------|-----------------|-----------------------------|
| <b>CIC-300</b>   | 659 x 494                 | 120fps     | Sony ICX618    | CCD, global shutter   | ¼"                  | 5.6 x 5.6       | 2.3 W/2.0 W                 |
| <b>CIC-2000</b>  | 1628 x 1236               | 20fps      | Sony ICX274    | CCD, global shutter   | 1/1.8"              | 4.4 x 4.4       | 3.4 W/2.9 W                 |
| <b>CIC-4000</b>  | 2048 x 2048               | 25fps      | CMOSIS CMV4000 | CMOS, global shutter  | 1"                  | 5.5 x 5.5       | 3.4 W/2.9 W                 |
| <b>CIC-5000R</b> | 2592 x 1944               | 14fps      | Aptina MT9P031 | CMOS, rolling shutter | 1/2.5"              | 2.2 x 2.2       | 2.5 W/2.2 W                 |

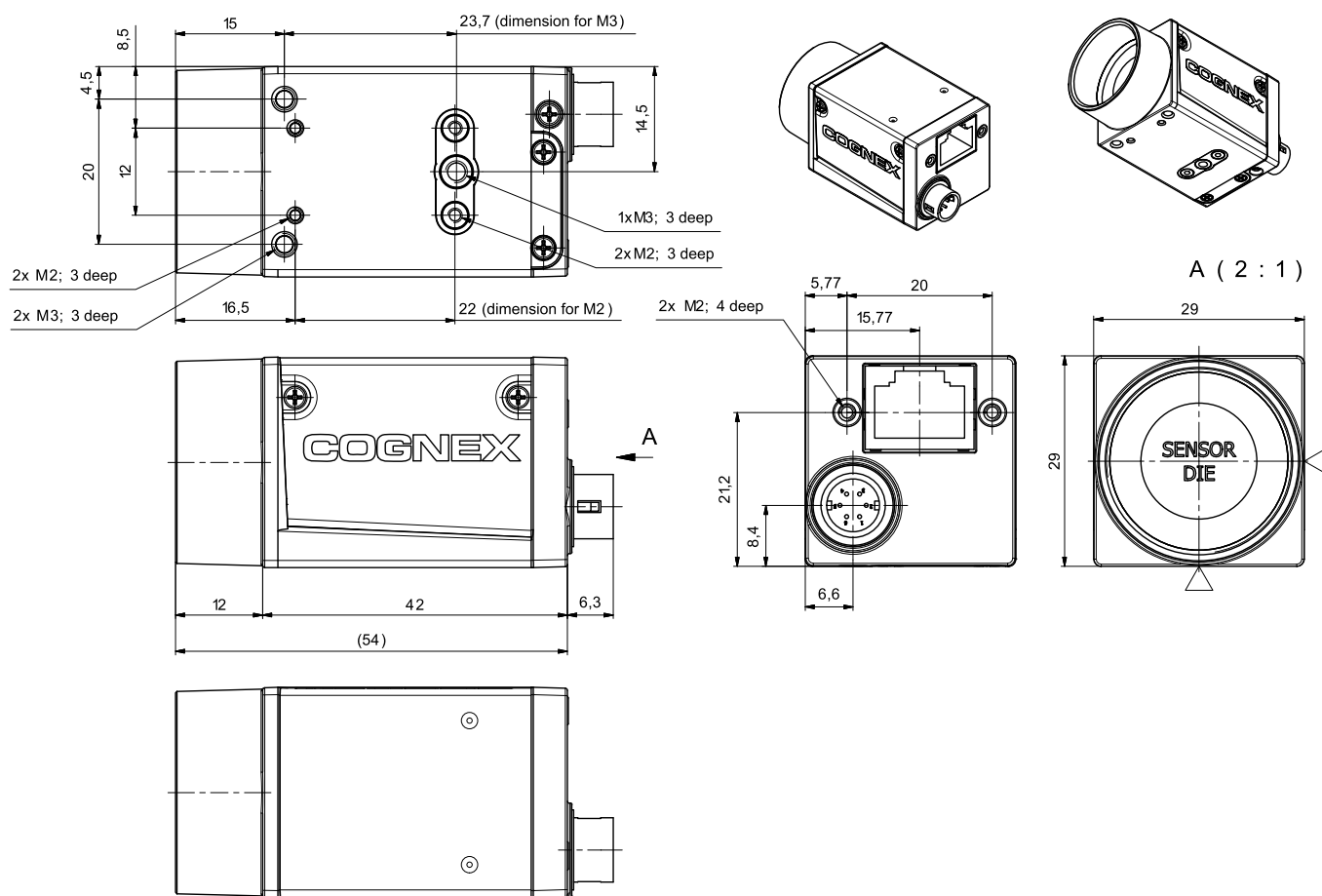
# Cognex Industrial Cameras

## Specifications

|                             |  |
|-----------------------------|--|
| Interface                   | Gigabit Ethernet (1000 Mbit/s)   |
| Video Output Format         | Mono 8, Mono 12, Mono 12 Packed  |
| Synchronization             | Via external trigger, via the Ethernet connection or free running  |
| Exposure Control            | Hardware trigger or programmable   |
| Housing Size<br>(L x W x H) | 42mm x 29mm x 29mm<br>(without lens adapter or connectors)<br>60.3mm x 29mm x 29mm<br>(with lens adapter and connectors) |

|                     |   |
|---------------------|---|
| Housing Temperature | Up to 50 °C   |
| Weight              | <90 g   |
| Lens Mount          | C-mount (lens sold separately)  |
| Digital I/O         | 1 opto-isolated input / 1 opto-isolated output  |
| Power Requirements  | Via Power over Ethernet (802.3af) or + 12VDC (±10%) via the camera's 6-pin Hirose connector |
| Conformity          | CE, FCC, IP30, RoHS, PoE (IEEE 802.3af), UL, GigE Vision, GenICam                           |
| Software            | Cognex VisionPro  |

## Dimensions



### Americas

|                        |                  |
|------------------------|------------------|
| United States, East    | +1 508 650 3000  |
| United States, West    | +1 650 969 8412  |
| United States, South   | +1 615 844 6158  |
| United States, Detroit | +1 248 668 5100  |
| United States, Chicago | +1 630 649 6300  |
| Canada                 | +1 905 634 2726  |
| Mexico                 | +52 81 5030 7258 |
| Central America        | +52 81 5030 7258 |
| South America          | +1 909 247 0445  |
| Brazil                 | +55 47 8804 0140 |

### Europe

|                |                  |
|----------------|------------------|
| Austria        | +43 1 23060 3430 |
| Belgium        | +32 2 8080 692   |
| France         | +33 1 4777 1550  |
| Germany        | +49 721 6639 0   |
| Hungary        | +36 1 501 0650   |
| Ireland        | +353 1 825 4420  |
| Italy          | +39 02 6747 1200 |
| Netherlands    | +31 208 080 377  |
| Poland         | +48 71 776 0752  |
| Spain          | +34 93 445 67 78 |
| Sweden         | +46 21 14 55 88  |
| Switzerland    | +41 71 313 06 05 |
| Turkey         | +90 212 371 8561 |
| United Kingdom | +44 1327 856 040 |

### Asia

|           |                  |
|-----------|------------------|
| China     | +86 21 5050 9922 |
| India     | +9120 4014 7840  |
| Japan     | +81 3 5977 5400  |
| Korea     | +82 2 539 9047   |
| Singapore | +65 632 55 700   |
| Taiwan    | +886 3 578 0060  |

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