



picoCam2

Ultra compact industrial streaming cameras in accordance with GigE vision standard

SICK
Sensor Intelligence.



Technical data overview

| | |
|-------------------------------|---|
| Sensor | CMOS Color / CMOS monochrome (depending on type) |
| Sensor resolution | 1,456 px x 1,088 px (1.58 Mpixel) 2,048 px x 1,536 px (3.15 Mpixel) 2,448 px x 2,048 px (5.01 Mpixel) |
| Lens | C-mount |
| Optical format | 1/3" 1/1.8" 2/3" (depending on type) |
| Ethernet | ✓, UDP/IP |
| Configuration software | SICK Vision Suite |
| Dimensions | 29 mm x 29 mm x 29 mm |

Product description

The picoCam2 GigE vision-compatible camera family is ideally suited to applications where space is restricted. So that it can be used in industrial environments, the picoCam2 has a screw-fit RJ45 GigE interface – the standard for industrial image processing – as well as industry-grade plug connectors for the voltage supply and trigger signals. As an alternative, it is also possible to operate it with just one cable measuring up to 100 m in length using Power over Ethernet (PoE). The picoCam2 is available with 1, 3 or 5 megapixel resolution in color and monochrome variants. CMOS image sensors use global shutter technology and enable multiple image sections (AOI). Image recording and transmission are decoupled in the internal 126 MB memory bank, meaning multi-camera applications are supported.

At a glance

- Ultra-compact housing
- Power over Ethernet (PoE)
- Wide-range voltage supply 12 V DC ... 24 V DC
- Screw-fit RJ45 GigE interface
- Screw-fit Hirose plug connector for the voltage supply and digital inputs and outputs
- Color and monochrome variants
- Connection for c-mount lenses

Your benefits

- The picoCam2 family is ideal for use on the Sensor Integration Machine (SIM), supporting complex image processing tasks
- Ideal for multi-camera applications, e.g., several cameras on the SIM
- Simple operation using just one connecting cable thanks to PoE
- Reliable, even in very tight spaces
- Compatible with the GigE vision interface standard
- Simple plug and play installation on the SIM thanks to pre-assembled cables

Fields of application

- Single or multi-camera systems in conjunction with the Sensor Integration Machine (SIM)
- Automated image processing applications in the automotive, robotics, electronics, solar, and food and beverage industries, for example, for quality inspection, traceability, and object detection

Ordering information

Other models and accessories → www.sick.com/picoCam2

- **Products by tasks:** Color inspection
- **Illumination:** To be ordered separately as accessories
- **Lens:** To be ordered separately as accessories, C-mount

| Sensor resolution | Sensor | Sensor used | Type | Part no. |
|--------------------------------------|-----------------|-------------|----------------|----------|
| 1,456 px x 1,088 px (1.58 Mpixel) | CMOS Color | Sony IMX273 | I2D301C-2RCA11 | 6071822 |
| | CMOS monochrome | Sony IMX273 | I2D301M-2RCA11 | 6071820 |
| 2,048 px x 1,536 px (3.15 Mpixel) | CMOS Color | Sony IMX265 | I2D303C-2RCA11 | 6071824 |
| | CMOS monochrome | Sony IMX265 | I2D303M-2RCA11 | 6071823 |
| 2,448 px x 2,048 px (5.01 Mpixel) | CMOS Color | Sony IMX264 | I2D305C-2RCA11 | 6071826 |
| | CMOS monochrome | Sony IMX264 | I2D305M-2RCA11 | 6071825 |

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com