Product family overview

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