midiCam2

Rugged and high-resolution streaming camera in accordance with GigE vision standard

SICK
Sensor Intelligence.

midiCam2

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) 4,096 px x 3,000 px (12.29 Mpixel)
Lens	C-mount
Optical format	1/3" 1/1.8" 2/3" 1,1" (depending on type)
Ethernet	✓, UDP/IP
Configuration software	SICK Vision Suite
Dimensions	42.7 mm x 53 mm x 41 mm

Product description

With IP67 enclosure rating, the midiCam2 GigE vision-compatible camera family is ideally suited for usage in harsh industrial environments. This is why the midiCam2 has an M12 GigE interface – the standard for industrial image processing – as well as industry-grade M12 connections 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 midiCam2 is available with 1, 3, 5 or 12 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

- Rugged housing in accordance with enclosure rating IP67
- Power over Ethernet (PoE)
- Wide-range voltage supply 12 V DC … 24 V DC
- M12 plug connector for the GigE interface
- M12 plug connector for the voltage supply and digital inputs and outputs
- Color and monochrome variants
- Connection for c-mount lenses

Your benefits

- The midiCam2 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
- Can be used reliably, even when you need ruggedness in harsh industrial environments and IP67 enclosure rating
- 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, logistics, 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/midiCam2

- **Illumination:** To be ordered separately as accessories
- **Lens:** To be ordered separately as accessories, C-mount

Products by tasks	Sensor resolution	Sensor	Sensor used	Type	Part no.
Color inspection	1,456 px x 1,088 px (1.58 Mpixel)	CMOS Color	Sony IMX273	I2D601C-2MCB71	6071828
	2,048 px x 1,536 px (3.15 Mpixel)	CMOS Color	Sony IMX265	I2D603C-2MCB71	6071830
	2,448 px x 2,048 px (5.01 Mpixel)	CMOS Color	Sony IMX264	I2D605C-2MCB71	6071832
	4,096 px x 3,000 px (12.29 Mpixel)	CMOS Color	Sony IMX304	I2D612C-2MCB71	6071834
Inspection	1,456 px x 1,088 px (1.58 Mpixel)	CMOS monochrome	Sony IMX273	I2D601M-2MCB71	6071827
	2,048 px x 1,536 px (3.15 Mpixel)	CMOS monochrome	Sony IMX265	I2D603M-2MCB71	6071829
	2,448 px x 2,048 px (5.01 Mpixel)	CMOS monochrome	Sony IMX264	I2D605M-2MCB71	6071831
	4,096 px x 3,000 px (12.29 Mpixel)	CMOS monochrome	Sony IMX304	I2D612M-2MCB71	6071833

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**

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