



midiCam

Rugged, industry-grade streaming cameras with GigE interface

2D MACHINE VISION

SICK
Sensor Intelligence.



Technical data overview

Sensor	CMOS monochrome CMOS Color CMOS monochrome NIR (depending on type)
Sensor resolution	1,280 px x 1,024 px (1.31 Mpixel, 5:4, SXGA) 1,600 px x 1,200 px (1.92 Mpixel, 4:3, UXGA)
Light source	External illumination To be ordered separately as accessories
Lens	C-mount
Optical format	1/1.8"
Ethernet	✓, UDP/IP
Configuration software	I2D Software Suite
Dimensions	44.7 mm x 53 mm x 41 mm

Product description

With IP 67 enclosure rating, the midicam streaming camera family is ideally suited to use in harsh industrial environments. This is why the midicam 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 midicam is available with 1 or 2 megapixel resolution and in color, monochrome, or NIR (optional) variants. CMOS image sensors use global shutter technology and enable multiple image sections (AOI). Image recording and transmission are decoupled in the internal 60 MB memory bank and multi-camera applications are therefore supported.

At a glance

- Rugged housing with IP 67 enclosure rating
- 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, monochrome, and NIR variants
- Connection for C mount lenses

Your benefits

- The midicam family is ideal for use on the Sensor Integration Machine (SIM), supporting complex image processing tasks
- Ideal for multi-camera applications, e.g., several midicams 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 IP 67 enclosure rating
- Intuitive operation via the I2D Software Suite for Windows from SICK
- Simple plug and play installation on the SIM thanks to pre-assembled cables
- Wide range of C mount lenses available

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/midiCam

- **Internal lighting:** 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.
Presence inspection, quality inspection, Color inspection, measuring, 2D, positioning	1,280 px x 1,024 px (1.31 Mpixel)	CMOS Color	e2V EV76C560ACT	I2D601C-MCB71	6060400
	1,600 px x 1,200 px (1.92 Mpixel)	CMOS Color	e2V EV76C570ACT	I2D602C-MCB71	6060403
Presence inspection, quality inspection, measuring, 2D, positioning	1,280 px x 1,024 px (1.31 Mpixel)	CMOS monochrome	e2V EV76C560ABT	I2D601M-MCB71	6060399
		CMOS monochrome NIR	e2V EV76C661ABT	I2D601N-MCB71	6060401
	1,600 px x 1,200 px (1.92 Mpixel)	CMOS monochrome	e2V EV76C570ABT	I2D602M-MCB71	6060402

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