Online data sheet



I2D-304M

picoCam

2D VISION

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
I2D-304M	6060396

Other models and accessories ➜ www.sick.com/picoCam

Detailed technical data

Features

Sensor	CMOS monochrome
Sensor used	CMOSIS CMV4000-3E5M1PP
Shutter technology	Global-Shutter
Further functions	Overlap trigger, dual exposure, sensor source gain, Multi area of interest, Subsampling
Lens	C-mount
Optical format	1″

Performance

Bit depth	12 bit
Sensor resolution	2,048 px x 2,048 px (4.19 Mpixel, 1:1, 4 MP)
Sensor size	11.264 mm x 11.264 mm
Scan/frame rate	19 fps
Memory	60 MB
Exposure time	0.054 ms ... 500 ms
Pixel size	5.5 µm

Interfaces

Ethernet	✓, UDP/IP
Data transmission rate	1,000 Mbit/s
Configuration software	I2D Software Suite

Mechanics/electronics

Connections	Hirose 6-pin male connector (voltage supply, 1 digital input, 1 digital output)
Supply voltage	12 V ... 24 V [1)]
Power consumption	≤ 2.6 W
Enclosure rating	IP30
Weight	61 g
Dimensions (L x W x H)	40.5 mm x 29 mm x 29 mm

[1)] Or PoE.

Ambient data

Shock load	80 g, EN 60068-2-27 (1995-03), EN 60068-2-29 (1995-03)
Vibration load	10 g, 30 Hz ... 500 Hz, EN 60068-2-6 (1996-05)
Ambient operating temperature	0 °C ... +40 °C [1]
Ambient storage temperature	–20 °C ... +60 °C [1]

[1] Relative humidity: 20% ... 80%.

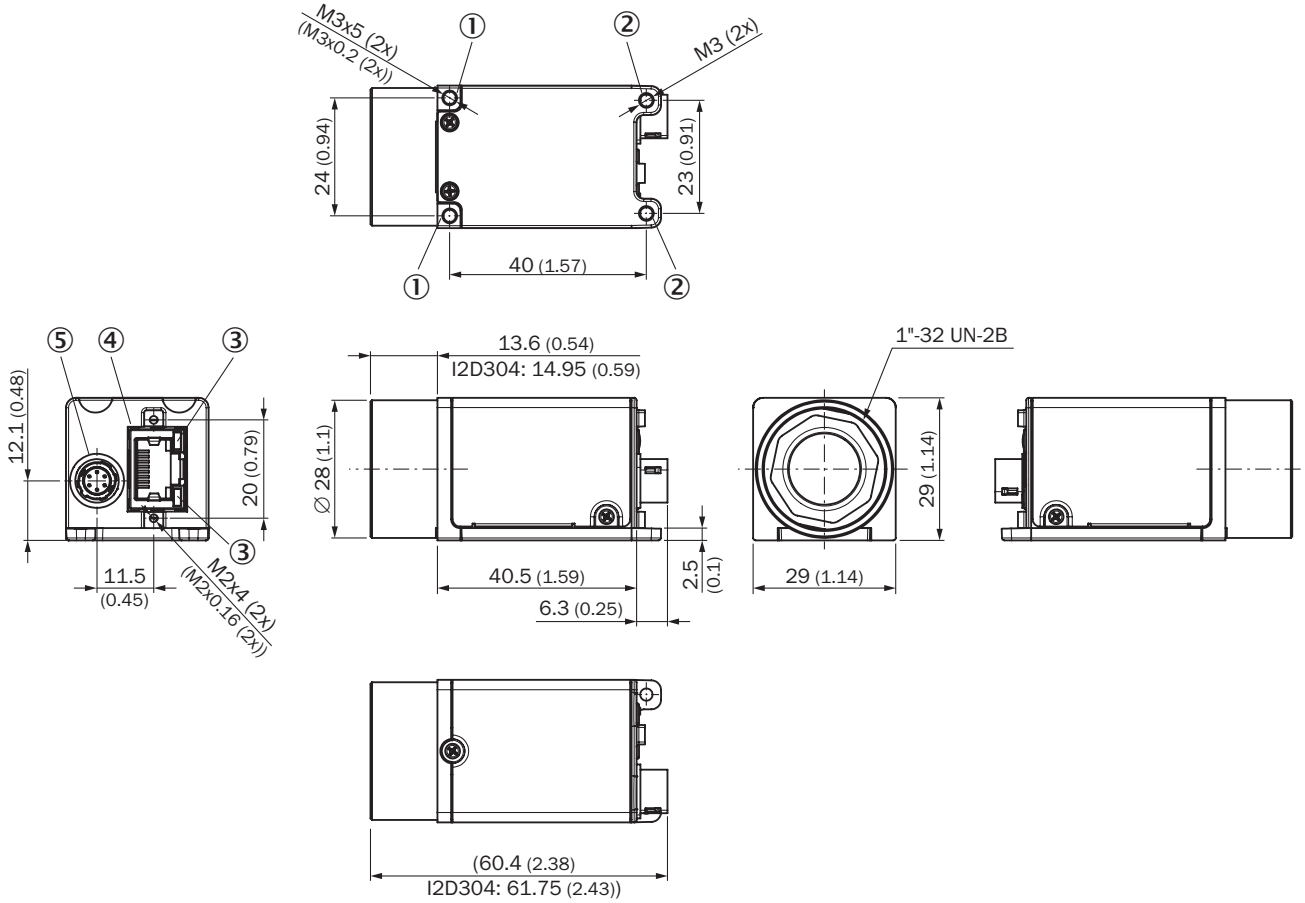
General notes

Note	Not free of paint wetting impairment substances.

Classifications

ECl@ss 5.0	27310205
ECl@ss 5.1.4	27310205
ECl@ss 6.0	27310205
ECl@ss 6.2	27310205
ECl@ss 7.0	27310205
ECl@ss 8.0	27310205
ECl@ss 8.1	27310205
ECl@ss 9.0	27310205
ETIM 5.0	EC001820
ETIM 6.0	EC001820
UNSPSC 16.0901	43211731

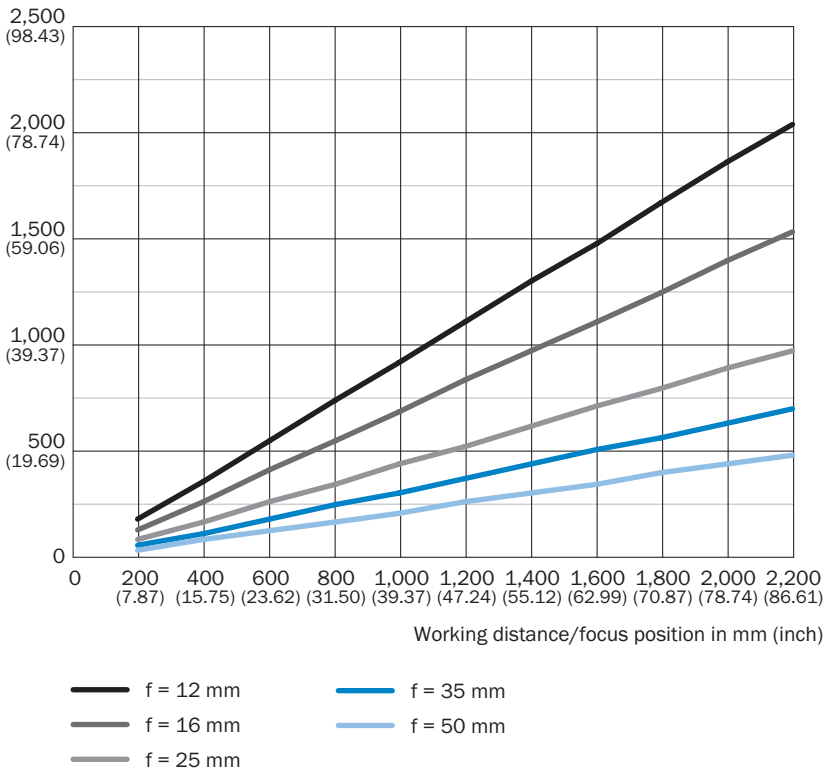
Dimensional drawing (Dimensions in mm (inch))



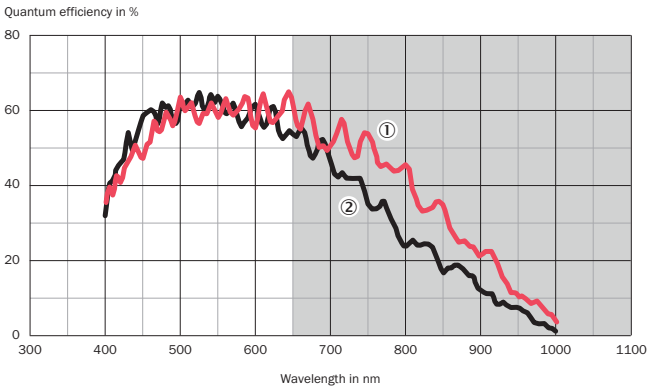
① Blind hole thread M3, 5 mm deep (12 x), for mounting
② Fixing hole M3 (2 x), for mounting
③ LED for status display (2 x)
④ Gigabit Ethernet port, RJ45, 8-pin
⑤ Power I/O connection, male connector, M12, 6-pin, Hirose

Field of view

Field of view in mm (inch)



Spectral range



① NIR
② Monochrome

Recommended accessories

Other models and accessories ➜ www.sick.com/picoCam

	Brief description	Type	Part no.
Plug connectors and cables			
	Head A: female connector, HR10, 6-pin Head B: Flying leads Cable: Power, I/O, 5 m	Connecting cable (female connector - open)	6061064
	Head A: male connector, RJ45 Head B: male connector, RJ45 Cable: Ethernet, Highly flexible, unshielded, 3 m	SSL-080J-G03MACR	6037974

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