SICK.COM



DATA SHEET

I2D303M-2RCA11

picoCam2
2D machine vision

SICK Sensor Intelligence



2D MACHINE VISION

I2D303M-2RCA11

ORDERING INFORMATION

Type	part no.
I2D303M-2RCA11	6071823

Further device versions and accessories at www.sick.com/picoCam2

DETAILED TECHNICAL DATA

FEATURES

Technology	2D snapshot
Streaming	✓
Image sensor	CMOS monochrome
Sensor used	Sony IMX265
Shutter technology	Global-Shutter
Illumination	To be ordered separately as accessories
Further functions	Line mode, region of interest, long exposure
Lens	C-mount
Optical format	1/1.8"
Note	To be ordered separately as accessories
Task	Measuring - Dimension, contour and volume Monitoring and controlling - Quality Identifying - Pattern Identifying - Classifying Identifying - Sorting

MECHANICS/ELECTRONICS

Connection type	8-pin Hirose male connector
Supply voltage	12 V ... 24 V [1]
Power consumption	≤ 3.1 W
Enclosure rating	IP30
Weight	52 g
Dimensions (L x W x H)	29 mm x 29 mm x 29 mm

[1] Or PoE.

PERFORMANCE

Bit depth	12 bit
Sensor properties	
Sensor resolution	2,048 px x 1,536 px (3.15 MP)
Pixel size	3.45 µm x 3.45 µm
Sensor size	7.066 mm x 5.3 mm
Scan/frame rate	39 fps, in freerun mode
Memory	128 MB
Exposure time	0.032 ms ... 2,000 ms

INTERFACES

Ethernet	✓ , UDP/IP
Remark	GigE Vision Standard
Data transmission rate	1,000 Mbit/s
Configuration software	SICK Vision Suite

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 ... +55 °C [1]
Storage temperature	–20 °C ... +60 °C [1]

[1] Relative humidity: 0% ... 100%.

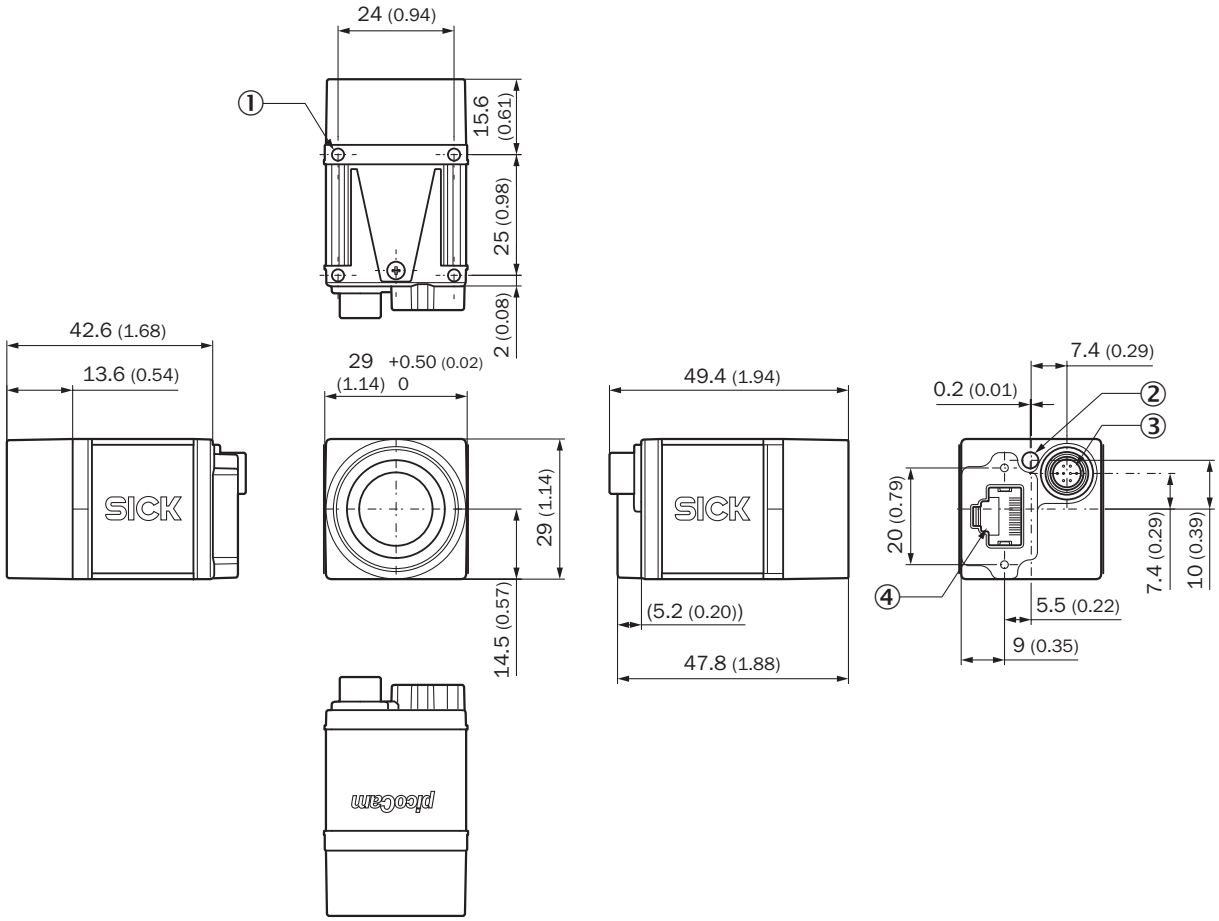
GENERAL NOTES

Note	Not free of paint wetting impairment substances.

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓
GigE Vision	✓

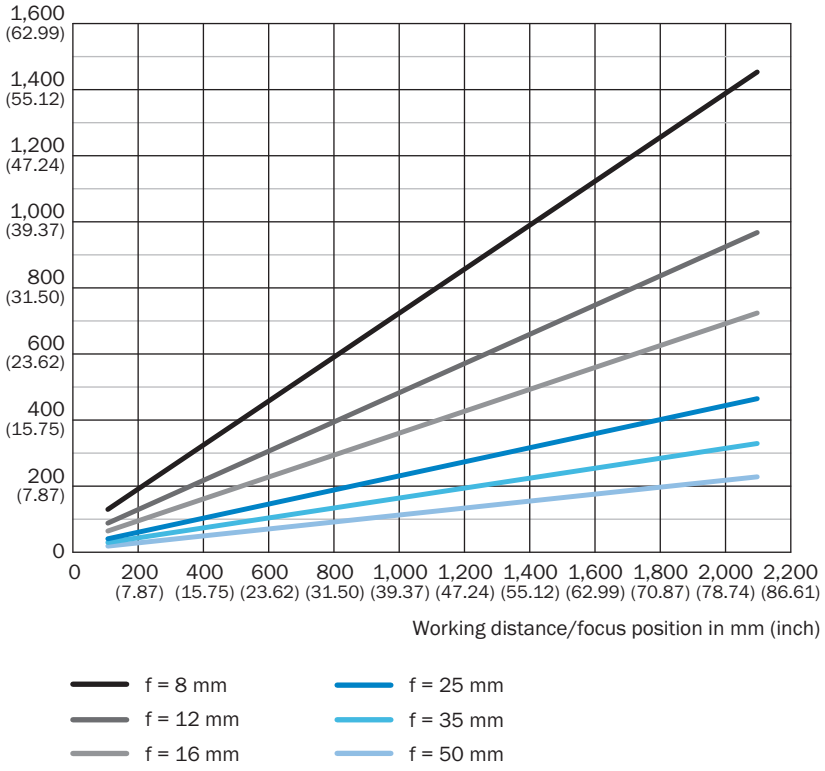
DIMENSIONAL DRAWING



Dimensions in mm (inch)
① blind hole thread M3, 3 mm deep (4 x), for mounting
② LED for status display
③ Power I/O connection, male connector, 8-pin, Hirose HR25
④ Gigabit Ethernet port, RJ45, 8-pin

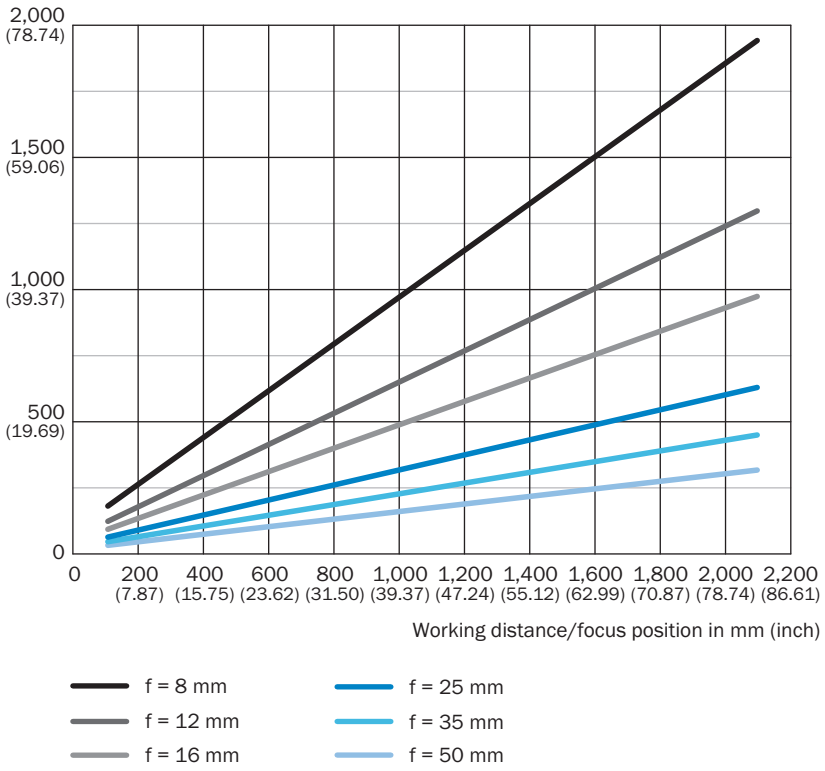
FIELD OF VIEW

Field of view y in mm (inch)



FIELD OF VIEW

Field of view x in mm (inch)



Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6071823

SICK AG
WALDKIRCH
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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