



DATA SHEET

SEC200-USBZ112ZZZZ

sensingCam SEC200
Image-based code readers

SICK

Sensor Intelligence



IMAGE-BASED CODE READERS

SEC200-
USBZ112ZZZZ

ORDERING INFORMATION

Type	part no.
SEC200-USBZ112ZZZZ	1154593

Further device versions and accessories at www.sick.com/sensingCam_SEC200



DETAILED TECHNICAL DATA

FEATURES

Technology	Image-based code reading
Sensor	CMOS monochrome
Shutter technology	Global-Shutter
Sensor resolution	1,080 px x 1,280 px (1.3 MP)
Field of view (H x V)	36° x 31°
Memory	Internal memory for storing up to 1,000 images or via FTP upload
Illumination	LED, white LED Class 1 (IEC 62471:2006)
Lens	Integrated
Alignment aid	Linear green light spot (LED), Risk Group 1 according to IEC 62471:2006
Code reading performance	
Readable code structures	1D codes, 2D codes
Bar code types	Code 39, Code 128, Code 93, UPC / EAN / JAN (with addition), Code 25, Codabar, postal codes
2D code types	QR code, Data Matrix
Code resolution	≥ 0.2 mm
Working distance	100 mm ... 300 mm
No. of codes per scan	1 ... 25
Evaluation time/Decoding speed	
Exposure time	50 µs ... 33,000 µs
Scan/frame rate	≤ 60 fps
Transport speed	≤ 1.5 m/s
Image capture	
Image format	JPEG
Trigger	Digital input or software trigger via TCP/IP

INTERFACES

USB	✓
Data transmission rate	USB 2.0®
Optical indicators	3 Status LED (Three status LEDs on the top of the device) 1 Feedback LED (One green feedback LED for code presence detection in the field of view)

Acoustic indicators	1 beeper
Configuration software	Web server integrated

ELECTRONICS

Supply voltage	5 V
Power consumption	Typ. 2.5 W Max. 5 W
Protection class	III
Electrical safety	EN 62368-1
Connection type	USB 2.0® USB Type-C socket® (PUR), 200 mm
Pinouts for USB-C ®	A1 ... A12 USB Type-C® B1 ... B12 USB Type-C® Note Pinouts according to USB Type-C®

MECHANICS

Dimensions (W x H x D)	56 mm x 56 mm x 30.5 mm (without connection)
Housing material	Aluminum, plastic
Window material	Glass
Weight	180 g
Mounting	Six threads for M4 screws One ¼" - 20 UNC thread for photo tripod

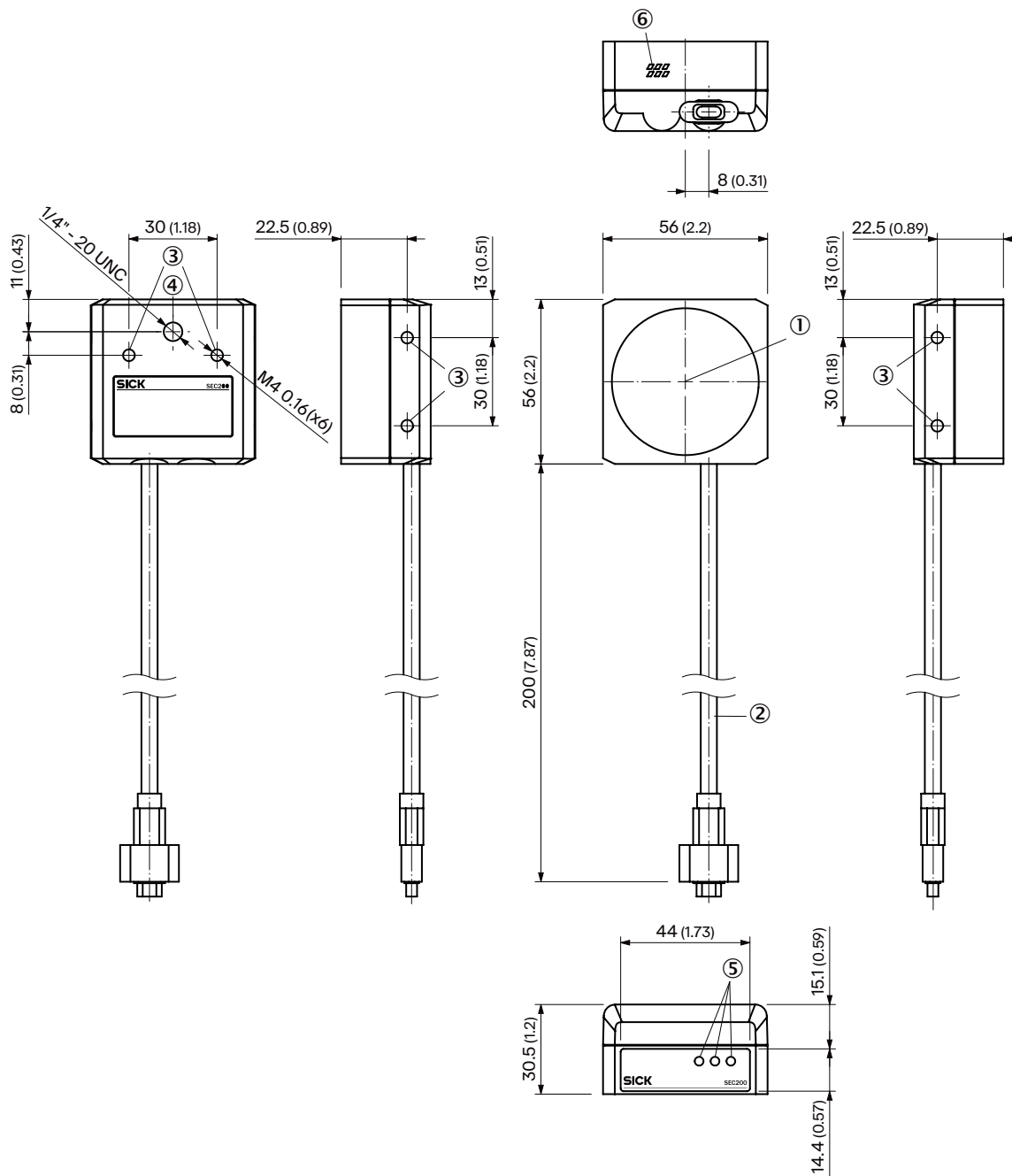
AMBIENT DATA

Ambient temperature, operation	0 °C ... +50 °C
Ambient temperature, storage	-20 °C ... +60 °C
Permissible relative humidity	≤ 90 %
Enclosure rating	IP65
Shock resistance	150 m/s² EN 60068-2-27
Vibration resistance	50 m/s² EN 60068-2-6, EN 60068-2-64
Electromagnetic compatibility (EMC)	Emission according to EN 61000-6-3 Immunity according to EN 61000-6-2

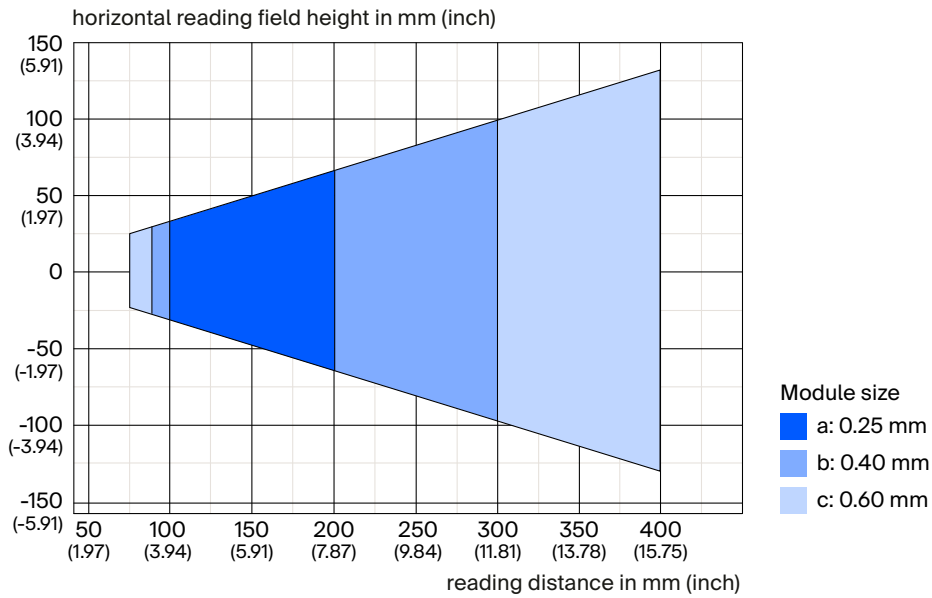
CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
Moroccan declaration of conformity	✓
China RoHS	✓
China Compulsory Product Certification (CCC) exempt	✓
cULus certificate	✓
KC Mark certificate	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓

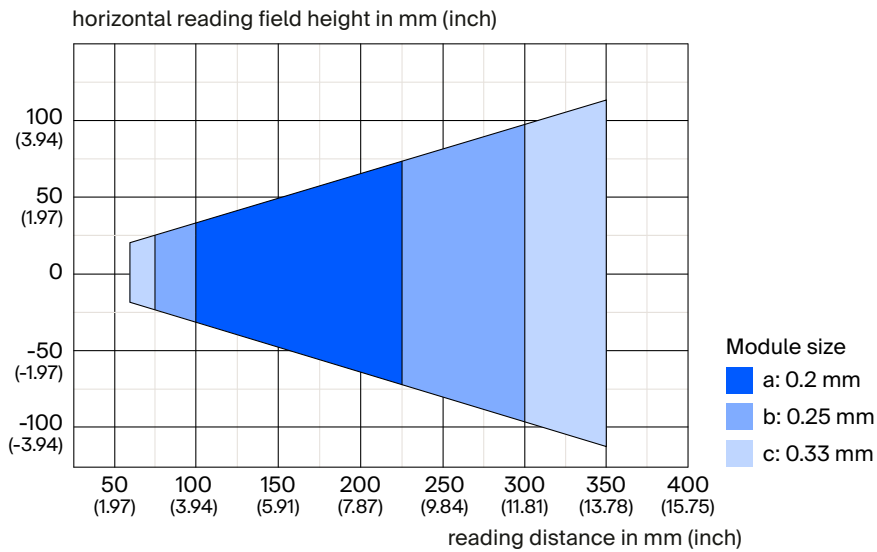
DIMENSIONAL DRAWING, SENSOR



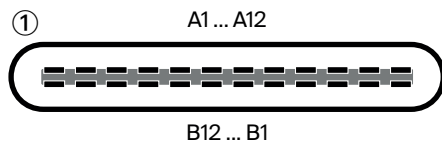
READING FIELD DIAGRAM, 2D



READING FIELD DIAGRAM, 1D



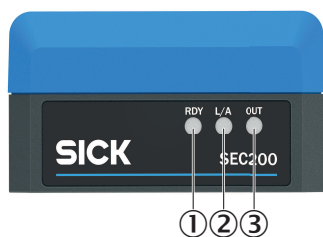
PINOUTS, SEE TABLE TECHNICAL DATA: ELECTRONICS



USB 2.0®

① Note: Pinouts according to USB Type-C®

DISPLAY AND ADJUSTMENT ELEMENTS



- ① LED: RDY
- ② LED: L/A
- ③ LED: OUT

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/1154593



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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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