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PRODUCT OVERVIEW

sensingCam SEC200

Image-based code readers

SICK Sensor Intelligence



IMAGE-BASED CODE READERS

sensingCam SEC200

Image-based 1D and 2D code identification for highly cost effective and intuitive operation.

The sensingCam SEC200 makes code reading easier than ever and is our cost-effective solution for reliable 1D and 2D code identification. As an image-based code reader, the sensor supports employees e.g. at packing stations or in assembly steps where every successful scan enables the next process step. The code reader shows its full strength in demanding industrial environments. The rugged IP65 housing protects against dust and vibration and ensures the reading process remains stable and reliable. Mounting is effortless and thanks to the integrated web server, the camera can be set up in no time at all. The intuitive operation of the industrial scanner is supported by acoustic and visual feedback and creates security and self-confidence in everyday work.

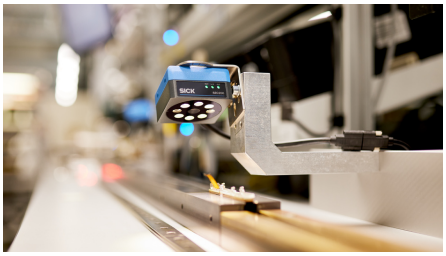
sensingCam SEC200 AT A GLANCE

- **Reliable code recognition for stable process sequences**
  In every day work the reliable identification of 1D and 2D codes ensures every scan enables the next process step without delay.
- **Consistent results with varying distances**
  The large depth of field of 100 mm to 300 mm automatically compensates for different distances and maintains the flow of work without the need for readjustment.
- **Quick to set up and ready to use immediately**
  Commissioning time is significantly reduced thanks to the integrated web server which enables configuration directly in a browser without additional software
- **Intuitive scanning for a quick start with no need to invest time in training**
  LED alignment aid, feedback LED and acoustic signal provide clear feedback during scanning and make the SEC200 so intuitive that employees can get started without investing time in training.
- **Easy to integrate into workstations and systems**
  With Ethernet or USB connection, the sensingCam SEC200 integrates seamless into existing stations, simplifying installation and replacement.
- **Reliable performance even in demanding environments**
  The rugged IP65 housing protects against dust, vibration and external influences and ensures stable operation in everyday industrial environments.
- **High image quality for impressive scan results**
  With 1.3 megapixels, the camera delivers razor-sharp images that enable precise decoding.
- **Standardized setups for entire lines in the shortest possible time**
  The cloning function copies settings to other devices and reduces effort, sources of error and installation time in duplicated applications.

TECHNICAL DATA OVERVIEW

Working range	100 mm ... 300 mm
Readable code structures	1D codes, 2D codes
Communication interface	Ethernet (REST API), USB
Sensor resolution	1,080 px x 1,280 px (1.3 MP)
Optical focus	Fixed focus
Illumination color	White
Enclosure rating	IP65
Variant	Complete device
Lens	Integrated
Window material	Glass
Technology	Image-based code reading
Ambient operating temperature	0 °C ... +50 °C
Weight	180 g

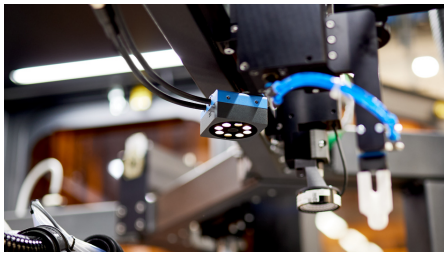
ADVANTAGES



Reduced to the essentials. Attractively priced.
We experience it in everyday life: scanning codes is easy – whether at the supermarket checkout or when picking up parcels. The sensingCam SEC200 brings this normal situation to industrial applications. The code reader combines the simplicity of traditional sensor technology with the image processing required for image-based 1D and 2D code reading. The result: an industrial scanner for simple applications. Focused and attractively priced.



More distance. More freedom.
The large depth of field of the sensingCam SEC200 enables reliabl, flexible code reading over a working distance of 100 mm to 300 mm. Codes do not have to be positioned exactly, as the image-based code reader automatically compensates for different distances. This turns standard applications with the SEC200 into plug-and-play experiences that simply work.



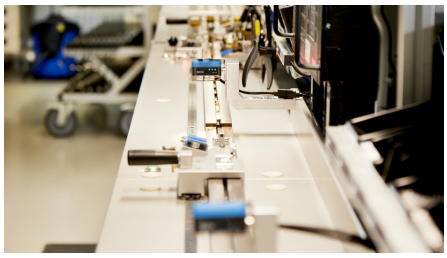
Built for every industrial reality.
Dust, vibration or electromagnetic interference? These are no challenge for the sensingCam SEC200. Even if the industrial scanner enjoys less demanding conditions, knowing that the IP rating, EMC shielding and compliance with CRA requirements is protecting your workflow from disruptive influences provides peace of mind.



Install. Connect. Read codes.
Industry-standard interfaces and standardized mounting options enable quick integration into existing systems. The sensingCam SEC200 adapts to your infrastructure – not the other way around.



Configure in the browser.
The integrated web server opens a direct channel to the sensingCam SEC200 – all you need is a browser. This allows you to adjust settings intuitively and without additional software right from where you work. Fast, effortless and just as uncomplicated as modern technology should be.



One setup. Identical everywhere.
One configuration is enough. The rest is duplicated almost by itself. The sensingCam SEC200 allows settings to be cloned and transferred to other code readers. This allows you to create a standardized setup for your system landscape in no time at all.

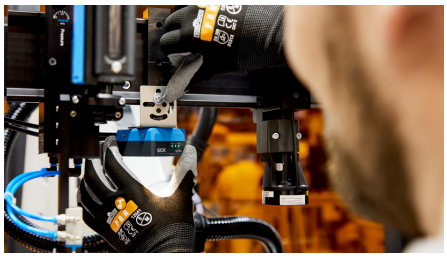


Developed for automatic code reading processes. Made for process stability.

Not all automatic code reading processes are complicated. The sensingCam SEC200 was developed as an entry-level product for clearly defined code reading tasks and features image processing technology that focuses on the essentials. The industrial code reader stabilizes processes through the reliable detection of 1D and 2D codes, seamless integration into the process chain, and settings that can be easily duplicated across the entire system. In automated applications, the image-based industrial scanner performs tasks such as component detection, packaging inspection and reliable sorting and tracking of cartons and containers during conveyor operation at moderate speeds.



High process reliability through true focusing.
What counts in automated scan processes is not the functional scope but a stable workflow. While broad-based solutions are often only able to handle code reading tasks as a side task, the sensingCam SEC200 is consistently focused on 1D and 2D code reading and turns your scanning processes into stable self-runners.



Seamless integration for immediate operational readiness.
In dynamic production lines, every minute counts. Solutions that cannot be integrated smoothly cause delays and downtime. Thanks to its rugged housing and industry-standard provision for connection, the sensingCam SEC200 fits into your industrial setup as if it had been a permanent fixture since day one.

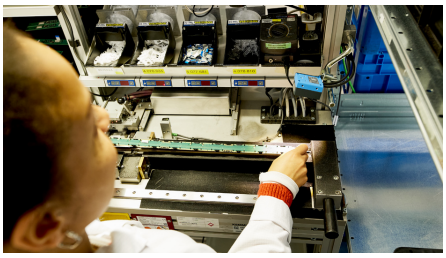


Consistent results across the entire line.
Consistency is crucial, especially when several code readers are working in parallel. The more individual settings are required, the higher the risk of deviations. With the sensingCam SEC200, you can transfer all settings quickly, securely and without additional effort to any number of devices via the cloning function. The result: a line with an identical setup throughout.



Developed for manual code reading processes. Made for people.

Manual code reading processes work best when technology is not the focus, but instead quietly and reliably strengthens the workflow. This is exactly where the sensingCam SEC200 comes in: the camera positively assists employees at picking stations, packing areas, in registration processes and during manual mounting steps, keeping the workflow fluid and allowing them to concentrate fully on the actual task. How does the image-based code reader achieve this? The sensor works with people, not against them, adapting to their working rhythm instead of dictating it and creating trust with clear feedback at the moment of the scan.



Reliable partner in the workflow.
What counts in manual workflows is not an abundance of functions, but a code reader that fits in intuitively. If this simplicity is missing, the scanning process becomes cumbersome, slower and more error-prone. The image-based sensingCam SEC200 code reader adapts effortlessly to this rhythm: Its detection logic automatically compensates for changing hand positions and enables scans without readjustment.



Trust that brings speed.
Trust has a direct influence on working speed. If a code reader is easily disturbed by external influences, employees work more cautiously and processes slow down. The rugged industrial design of the sensingCam SEC200 conveys certainty, withstanding demanding conditions and creating the confidence needed for smooth processes.



Clarity at the moment of the scan.
Human-led processes thrive on clear feedback. Any uncertainty about a successful scan creates stress and interrupts the flow of work. The image-based sensingCam SEC200 code reader confirms every read with clarity and speed. This reliability ensures a constant sense of achievement, strengthens confidence in your own process and keeps motivation high.

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.
www.sick.com/sensingCam_SEC200

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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 partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the 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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