



## ICR847-2

Maximum performance and resolution when stationary and moving

**SICK**  
Sensor Intelligence.



### Technical data overview

<b>Focus</b>	Fixed focus
<b>Sensor resolution</b>	1,280 px x 960 px
<b>Reading distance</b>	100 mm ... 230 mm
<b>Enclosure rating</b>	IP65, IP30
<b>Ethernet</b>	✓, TCP/IP
<b>PROFINET</b>	✓, Optional, over external connection module
<b>Serial</b>	✓, RS-232
<b>CAN</b>	✓
<b>CANopen</b>	✓
<b>PROFIBUS DP</b>	✓, Optional, over external connection module
<b>DeviceNet™</b>	✓, Optional, over external connection module
<b>Weight</b>	900 g

### Product description

Whether an object is stationary or in fast motion, the image-based code readers ICR847-2 offer reliable decoding, ensuring greater machine throughput that doesn't interfere with production lines. The latest technology allows for rapid computing performance combined with high-quality matrix sensors for reliability. It is ideal for direct part marked applications, allowing for improved traceability. Industry-compatible IP 65 housings, integrated illumination, user-friendly image recording, and decoding with rapid image and data output via standardized interfaces make quick implementation possible. The ICR847-2 series reads 1D and 2D codes in any orientation – even with low contrast, poor markings, damaged codes and dusty surroundings. Optimum adjustment for the application can be achieved in just a few steps by using the comfortable live image and auto setup function.

### At a glance

- Configure with live image and auto setup
- High resolution, 1,2 megapixel imager for large field of view with high density codes
- Fast, omni-directional reading of printed and direct part marked 1D and 2D codes
- Rapid image and data transfer via Ethernet
- Reliable reading of codes on stationary and on fast-moving objects guarantees secure identification and flexible use

### Your benefits

- Robust code identification even at very high transport speeds and speed variances simplifies commissioning and increases operational flexibility
- Large field of view and 1,2 MP camera resolution allow code reading of high density codes
- Fast, cost-effective commissioning via easy user interface with live image and auto setup configuration
- High-speed, reliable decoding of low contrast and direct part marked codes guarantees secure identification and flexible use
- Dynamic parameter switching allows decoding of different code qualities with just one setting
- Omni-directional identification of 1D and 2D codes makes it possible to identify objects that are not aligned
- Industrial IP 65 housing for rough environmental conditions
- Flexible use with integrated, controllable LED illumination

### Fields of application

- Image-based code reader for traceability and/or anti-counterfeiting
- Automotive manufacturers and part suppliers (power trains, car bodies, components)
- Electronics industry (PCB manufacturing)
- Solar wafer and module manufacturing
- Packaging lines (consumer goods, food, pharma and cosmetics)

### Ordering information

Other models and accessories → [www.sick.com/ICR847-2](http://www.sick.com/ICR847-2)

## 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](http://www.sick.com)