



## Lector65x

Nonstop code reading flexibility

IMAGE-BASED CODE READERS

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Focus</b>	Adjustable focus (manually) / dynamic focus control (depending on type)
<b>Sensor resolution</b>	2,048 px x 1,088 px 2,048 px x 2,048 px
<b>Scanning frequency</b>	70 Hz / 40 Hz (depending on type)
<b>Reading distance</b>	300 mm ... 2,500 mm (depending on type)
<b>Enclosure rating</b>	IP65
<b>Exchangeable lens and illumination</b>	✓ / - (depending on type)
<b>Ethernet</b>	✓, TCP/IP
<b>PROFINET</b>	✓
<b>EtherNet/IP™</b>	✓
<b>Serial</b>	✓, RS-232, RS-422
<b>CAN</b>	✓
<b>PROFIBUS DP</b>	✓, optional over external fieldbus module
<b>USB</b>	✓
<b>Weight</b>	635 g / 963 g (depending on type)

## Product description

Maximum performance and optimized throughput: The Lector65x image-based code reader from SICK stands up to the challenges of logistics and factory automation. Thanks to its 40 Hz frame repetition rate and real-time decoding, it reliably identifies 1D, 2D, and directly marked codes at the highest possible speed. An image resolution of 2/4 megapixels gives it a large field of view. In combination with its dynamic focus, the highest levels of flexibility are achieved for code positioning, object height, and transport speed. The intuitive device equipment – featuring function buttons, auto-setup, aiming laser, an acoustic feedback signal, and a green feedback LED – reduces the amount of work required for training and installation. The microSD memory card can be used to store images or backup copies of parameters. Thanks to SICK's 4Dpro feature, the Lector65x can be integrated into numerous industrial networks.

## At a glance

- 2/4 megapixel resolution; high frame repetition rate of 40 Hz
- Dynamic focus adjustment from object to object
- Integrated high-power LED illumination
- Function buttons, aiming laser, optical and acoustic feedback signal
- Intelligent, rapid decoding algorithms

## Your benefits

- Highly flexible code position, object height, and transport speed due to a large field of view and dynamic focus
- Cost-effective, straightforward, modular integration of multiple devices adapted to the width of the conveyor belt
- Minimum training and installation work due to intuitive device equipment that includes function buttons, auto setup, integrated illumination, an aiming laser, an acoustic feedback signal, and a green feedback LED
- Intelligent decoding algorithms ensure maximum reading performance and high package throughput, even with codes that are difficult to read
- SICK 4Dpro platform facilitates quick and easy integration into numerous industrial networks

## Fields of application

- Presentation camera for manual package sorting
- Material handling in automated sorting systems used by courier, express, postal service providers and in retail
- Tire identification
- Aggregation of food and pharmaceutical packaging
- Identification of codes and tracking serial numbers and manufacturing dates in pharmaceutical distribution applications

## Ordering information

Other models and accessories → [www.sick.com/Lector65x](http://www.sick.com/Lector65x)

- **Variant:** main unit
- **Sensor resolution:** 2,048 px x 1,088 px
- **Internal lighting:** To be ordered separately as accessories
- **Optical focus:** adjustable focus (manually)
- **Codes/data cards:** 1D codes, Stacked, 2D codes
- **Exchangeable lens and illumination:** ✓
- **Lens:** C-mount, 1", To be ordered separately as accessories
- **Product family:** Lector65x
- **Max. distance to the object:** ≤ 2,200 mm
- **Ambient operating temperature min.:** ≥ 0 °C
- **Ambient operating temperature max.:** ≤ +50 °C
- **Max. scanning frequency:** 70 Hz

Communication Interface detail	Type	Part no.
TCP/IP	V2D652R-MCXXF6 for Systems	1071728
TCP/IP, RS-232, RS-422	V2D652R-MCXXA6	1063404
	V2D652R-MCXXH6	1075975

- **Variant:** Complete device
- **Sensor resolution:** 2,048 px x 1,088 px
- **Internal lighting:** blue
- **Optical focus:** dynamic focus control
- **Codes/data cards:** 1D codes, Stacked, 2D codes
- **Lens:** C-mount, 1", 40 mm, f/8
- **Product family:** Lector65x

Communication Interface detail	Max. distance to the object	Ambient operating temperature min.	Ambient operating temperature max.	Max. scanning frequency	Type	Part no.
TCP/IP, RS-232, RS-422	≤ 2,500 mm	≥ 0 °C	≤ +50 °C	70 Hz	V2D652R-MEBKA6	1072317

- **Variant:** Complete device
- **Sensor resolution:** 2,048 px x 1,088 px
- **Internal lighting:** White
- **Optical focus:** dynamic focus control
- **Codes/data cards:** 1D codes, Stacked, 2D codes
- **Lens:** C-mount, 1", 54 mm, f/8
- **Product family:** Lector65x
- **Max. distance to the object:** ≤ 2,000 mm
- **Ambient operating temperature min.:** ≥ 0 °C
- **Ambient operating temperature max.:** ≤ +50 °C
- **Max. scanning frequency:** 70 Hz

Communication Interface detail	Type	Part no.
TCP/IP	V2D652R-ME-WHF6 for Systems	1071727
TCP/IP, RS-232, RS-422	V2D652R-MEWHA6	1063405

- **Variant:** Complete device
- **Sensor resolution:** 2,048 px x 1,088 px
- **Internal lighting:** White
- **Optical focus:** dynamic focus control
- **Codes/data cards:** 1D codes, Stacked, 2D codes
- **Lens:** C-mount, 1", 40 mm, f/8
- **Product family:** Lector65x
- **Communication Interface detail:** TCP/IP, RS-232, RS-422
- **Max. distance to the object:** ≤ 2,500 mm
- **Ambient operating temperature min.:** ≥ 0 °C
- **Ambient operating temperature max.:** ≤ +50 °C
- **Max. scanning frequency:** 70 Hz

Type	Part no.
V2D652R-MEWKA6	1068681
V2D652R-MEWKF6 for Systems	1081534

- **Variant:** main unit
- **Sensor resolution:** 2,048 px x 2,048 px
- **Internal lighting:** To be ordered separately as accessories
- **Optical focus:** adjustable focus (manually)
- **Codes/data cards:** 1D codes, Stacked, 2D codes
- **Exchangeable lens and illumination:** ✓
- **Lens:** C-mount, 1", To be ordered separately as accessories
- **Product family:** Lector65x
- **Max. distance to the object:** ≤ 2,200 mm
- **Ambient operating temperature min.:** ≥ 0 °C
- **Ambient operating temperature max.:** ≤ +50 °C
- **Max. scanning frequency:** 40 Hz

Communication Interface detail	Type	Part no.
RS-232, TCP/IP, RS-422	V2D654R-MCXXA6	1060892
	V2D654R-MCXXH6	1083896
TCP/IP	V2D654R-MCXXF6 for Systems	1068496

- **Variant:** main unit
- **Sensor resolution:** 2,048 px x 2,048 px
- **Internal lighting:** To be ordered separately as accessories
- **Optical focus:** adjustable focus (manually)
- **Codes/data cards:** 1D codes, Stacked, 2D codes, direct-marked codes, plain text
- **Exchangeable lens and illumination:** ✓
- **Lens:** C-mount, 1", To be ordered separately as accessories
- **Product family:** Lector65x

Communication Interface detail	Max. distance to the object	Ambient operating temperature min.	Ambient operating temperature max.	Max. scanning frequency	Type	Part no.
RS-232, TCP/IP, RS-422	≤ 2,200 mm	≥ 0 °C	≤ +50 °C	40 Hz	V2D654D-MCXXA6	1082400

- **Variant:** Complete device
- **Sensor resolution:** 2,048 px x 2,048 px
- **Internal lighting:** White
- **Optical focus:** dynamic focus control
- **Codes/data cards:** 1D codes, Stacked, 2D codes
- **Lens:** C-mount, 1", 40 mm, f/8
- **Product family:** Lector65x
- **Max. distance to the object:** ≤ 2,500 mm
- **Ambient operating temperature min.:** ≥ 0 °C
- **Ambient operating temperature max.:** ≤ +50 °C
- **Max. scanning frequency:** 40 Hz

Communication Interface detail	Type	Part no.
TCP/IP	V2D654R-MEWKF6 for Systems	1081535
TCP/IP, RS-232, RS-422	V2D654R-MEBKA6	1072316
	V2D654R-MEWKA6	1068680

- **Variant:** Complete device
- **Sensor resolution:** 2,048 px x 2,048 px
- **Internal lighting:** White
- **Optical focus:** dynamic focus control
- **Codes/data cards:** 1D codes, Stacked, 2D codes
- **Lens:** C-mount, 1", 54 mm, f/8
- **Product family:** Lector65x
- **Max. distance to the object:** ≤ 2,000 mm
- **Ambient operating temperature min.:** ≥ 0 °C
- **Ambient operating temperature max.:** ≤ +50 °C
- **Max. scanning frequency:** 40 Hz

Communication Interface detail	Type	Part no.
TCP/IP	V2D654R-ME- WHF6 for Systems	1063229
TCP/IP, RS-232, RS-422	V2D654R-MEWHA6	1060893

- **Variant:** Complete device
- **Sensor resolution:** 2,048 px x 2,048 px
- **Internal lighting:** blue
- **Optical focus:** dynamic focus control
- **Codes/data cards:** 1D codes, Stacked, 2D codes
- **Lens:** C-mount, 1", 54 mm, f/8
- **Product family:** Lector65x

Communication Interface detail	Max. distance to the object	Ambient operating temperature min.	Ambient operating temperature max.	Max. scanning frequency	Type	Part no.
TCP/IP	≤ 2,000 mm	≥ 0 °C	≤ +50 °C	40 Hz	V2D654R-MEB-HF6 for Systems	1070743

## 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)