Lector65x

Nonstop code reading flexibility

IMAGE-BASED CODE READERS

SICK
Sensor Intelligence.

Lector65x
IMAGE-BASED CODE READERS

Technical data overview

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

- Material handling in automated sorting systems used by courier, express, postal service providers and in retail
- Presentation camera for manual package sorting
- 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

- **Variant:** main unit
- **Internal lighting:** To be ordered separately as accessories
- **Optical focus:** adjustable focus (manually)
- **Exchangeable lens and illumination:** ✔
- **Lens:** C-mount, 1″, To be ordered separately as accessories

Sensor resolution	Codes/data cards	Type	Part no.
2,048 px x 1,088 px	1D codes, Stacked, 2D codes	V2D652R-MCXXA6	1063404
		V2D652R-MCXXF6 for Systems	1071728
		V2D652R-MCXXH6	1075975
2,048 px x 2,048 px	1D codes, Stacked, 2D codes	V2D654R-MCXXA6	1060892
		V2D654R-MCXXF6 for Systems	1068496
		V2D654R-MCXXH6	1083896
	1D codes, Stacked, 2D codes, direct-marked codes, plain text	V2D654D-MCXXA6	1082400

- **Variant:** Complete device
- **Optical focus:** dynamic focus control

Sensor resolution	Internal lighting	Codes/data cards	Lens	Type	Part no.
2,048 px x 1,088 px	White	1D codes, Stacked, 2D codes	C-mount, 1″, 40 mm, f/8	V2D652R-MEWKA6	1068681
				V2D652R-MEWKF6 for Systems	1081534
			C-mount, 1″, 54 mm, f/8	V2D652R-MEWHA6	1063405
				V2D652R-MEWHF6 for Systems	1071727
		1D codes, Stacked, 2D codes, direct-marked codes	C-mount, 1″, 54 mm, f/8	V2D652D-MEWHA6S50	1114696
	Blue	1D codes, Stacked, 2D codes	C-mount, 1″, 40 mm, f/8	V2D652R-MEBKA6	1072317
2,048 px x 2,048 px	White	1D codes, Stacked, 2D codes	C-mount, 1″, 40 mm, f/8	V2D654R-MEBKA6	1072316
				V2D654R-MEWKA6	1068680
				V2D654R-MEWKF6 for Systems	1081535
			C-mount, 1″, 54 mm, f/8	V2D654R-MEWHA6	1060893
				V2D654R-MEWHF6 for Systems	1063229
	Blue	1D codes, Stacked, 2D codes	C-mount, 1″, 54 mm, f/8	V2D654R-MEBHF6 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**

SICK AG | Waldkirch | Germany | www.sick.com

SICK
Sensor Intelligence.