Lector64x/Lector65x

1D, 2D and DPM code identification using a camera – detects diverse, far away objects

SICK
Sensor Intelligence.

Lector64x/Lector65x

Technical data overview

Focus	Adjustable focus (manually) / dynamic focus control (depending on type)
Sensor resolution	1,600 px x 1,088 px 2,048 px x 1,088 px 2,048 px x 2,048 px
Scanning frequency	40 Hz / 70 Hz (depending on type)
Reading distance	300 mm ... 2,500 mm (depending on type)
Enclosure rating	IP65
Exchangeable lens and illumination	✔ / – (depending on type)
Ethernet	✔ / TCP/IP / TCP/IP / ✔ / TCP/IP (depending on type)
EtherNet/IP™	✔
Serial	✔, RS-232, RS-422
CAN	✔
PROFIBUS DP	✔, optional over external fieldbus module
PROFINET	✔
Weight	635 g / 963 g (depending on type)

Product description

High performance and optimized throughput: The Lector64x/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 high 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 Lector64x/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 thanks to large field of view and great depth of field
- Cost-effective, straightforward, modular integration of multiple devices, adapted to the width of the conveyor belt
- Minimum training and installation work thanks to intuitive device equipment featuring function buttons, auto-setup, integrated illumination, aiming laser, acoustic feedback signal, and green feedback LED
- Intelligent decoding algorithms for maximum reading performance and high package throughput, even with codes that are difficult to read
- 4Dpro 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/Lector64x_Lector65x

- **Variant:** main unit
- **Readable code structures:** 1D codes, Stacked, 2D codes
- **Sensor resolution:** 1,600 px x 1,088 px
- **Optical focus:** adjustable focus (manually)
- **Illumination:** To be ordered separately as accessories
- **Lens:** C-mount, 2/3″, To be ordered separately as accessories
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Type	Part no.
V2D642R-MCXXA6	1070119
V2D642R-MCXXH6	1071472

- **Variant:** main unit
- **Readable code structures:** 1D codes, Stacked, 2D codes, direct-marked codes, plain text
- **Sensor resolution:** 1,600 px x 1,088 px

Optical focus	Illumination	Lens	Note	Type	Part no.
Adjustable focus (manually)	To be ordered separately as accessories	C-mount, 2/3″, To be ordered separately as accessories	Additional accessories may be necessary for some communication interfaces (details available online)	V2D642D-MCXXA6	1082399

- **Variant:** main unit
- **Readable code structures:** 1D codes, Stacked, 2D codes
- **Sensor resolution:** 2,048 px x 1,088 px
- **Optical focus:** adjustable focus (manually)
- **Illumination:** To be ordered separately as accessories
- **Lens:** C-mount, 1″, To be ordered separately as accessories
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Type	Part no.
V2D652R-MCXXA6	1063404
V2D652R-MCXXF6 for Systems	1071728
V2D652R-MCXXH6	1075975

- **Variant:** Complete device
- **Readable code structures:** 1D codes, Stacked, 2D codes, direct-marked codes
- **Sensor resolution:** 2,048 px x 1,088 px

Optical focus	Illumination	Illumination color	Lens	Note	Type	Part no.
Dynamic focus control	Integrated	White	C-mount, 1″, 54 mm, 8, 8	Additional accessories may be necessary for some communication interfaces (details available online)	V2D652D-MEWHA6S50	1114696

Lector64x/Lector65x

- **Variant:** Complete device
- **Readable code structures:** 1D codes, Stacked, 2D codes
- **Sensor resolution:** 2,048 px x 1,088 px
- **Optical focus:** dynamic focus control
- **Illumination:** integrated
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Illumination color	Lens	Type	Part no.
White	C-mount, 1″, 40 mm, 8, 8	V2D652R-MEWKA6	1068681
		V2D652R-MEWKF6 for Systems	1081534
	C-mount, 1″, 54 mm, 8, 8	V2D652R-MEWHA6	1063405
		V2D652R-MEWHF6 for Systems	1071727
Blue	C-mount, 1″, 40 mm, 8, 8	V2D652R-MEBKA6	1072317

- **Variant:** main unit
- **Readable code structures:** 1D codes, Stacked, 2D codes
- **Sensor resolution:** 2,048 px x 2,048 px
- **Optical focus:** adjustable focus (manually)
- **Illumination:** To be ordered separately as accessories
- **Lens:** C-mount, 1″, To be ordered separately as accessories
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Type	Part no.
V2D654R-MCXXA6	1060892
V2D654R-MCXXF6 for Systems	1068496
V2D654R-MCXXH6	1083896

- **Variant:** main unit
- **Readable code structures:** 1D codes, Stacked, 2D codes, direct-marked codes, plain text
- **Sensor resolution:** 2,048 px x 2,048 px

Optical focus	Illumination	Lens	Note	Type	Part no.
Adjustable focus (manually)	To be ordered separately as accessories	C-mount, 1″, To be ordered separately as accessories	Additional accessories may be necessary for some communication interfaces (details available online)	V2D654D-MCXXA6	1082400

- **Variant:** Complete device
- **Readable code structures:** 1D codes, Stacked, 2D codes
- **Sensor resolution:** 2,048 px x 2,048 px
- **Illumination:** integrated
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Optical focus	Illumination color	Lens	Type	Part no.
Adjustable focus (manually)	White	C-mount, 1″, 35 mm, 11, 11	V2D654R-MCWFA6S50	1107410

Optical focus	Illumination color	Lens	Type	Part no.
Dynamic focus control	White	C-mount, 1″, 40 mm, 8, 8	V2D654R-MEWKA6	1068680
			V2D654R-MEWKF6 for Systems	1081535
		C-mount, 1″, 54 mm, 8, 8	V2D654R-MEWHA6	1060893
			V2D654R-MEWHF6 for Systems	1063229
	Blue	C-mount, 1″, 40 mm, 8, 8	V2D654R-MEBKA6	1072316
		C-mount, 1″, 54 mm, 8, 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:

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