



Lector62x

Perfect sight - in any light

IMAGE-BASED CODE READERS

SICK
Sensor Intelligence.

Advantages

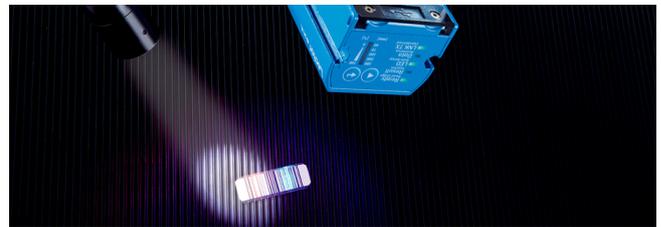


Nothing passes by it unnoticed



high-performance decoder

Identifies all kinds of different codes, even in environments with low contrast, reflective surfaces, or contamination



highly resistant to ambient light

Stable reading in all installation positions – even in changing light conditions



The Lector62x delivers reliable decoding, even under challenging conditions, and ensures high throughput rates in your application.

Puts any code into perspective



always the right color

Two red and two blue LEDs ensure ideal illumination that is geared to the needs of the application



always well-filtered

The polarizing filter ensures reliable reading on even highly reflective surfaces



always the ideal illumination

Reliable identification of codes on curved and shiny surfaces, thanks to the dome attachment



The powerful illumination concept of the Lector62x can be adapted to suit the individual conditions at the site. Different illumination colors enable the reading field to be illuminated uniformly – ensuring optimum performance in any application. The correct lighting accessories allow reliable code reading even under difficult ambient conditions.

Always useful



exceptionally easy
Setup wizard with auto focus, aiming laser, and green feedback LED makes commissioning and handling easy



no worries about space
The compact design, featuring a swivel connector, ensures easy integration even if installation space is tight



stored
The microSD card for storing images and backup copies of parameters ensures convenient analysis and short machine down-times during replacement work



innovative data handling
Thanks to comprehensive sorting, filtering, and output formatting, the read results are transferred to the controller in the desired format, cutting down on the amount of programming work required



With setup aids provided, plus a flexible design, intelligent cloning concept, and innovative data handling, very little work is required during commissioning or when replacing the device.

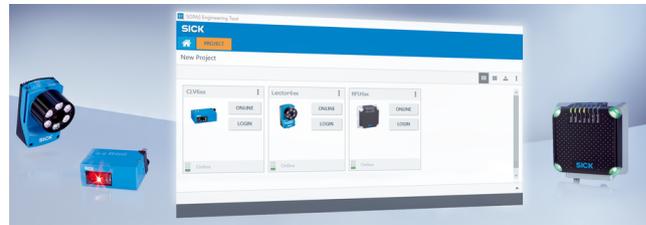
4Dpro – THE FLEXIBILITY YOU NEED

The sensor manufacturer SICK offers a broad portfolio of identification and vision solutions which are developed and produced in-house. Whichever solution you choose today, you can be sure of a flexible future with the 4Dpro concept. All 4Dpro sensors are compatible and interchangeable with one another. Standardized connectivity, a standardized user interface, and a standardized accessory concept – we call this unique combination 4Dpro.



standardized connectivity

All 4Dpro sensors feature the same modular connectivity. This provides the basis for a flexible fieldbus link combined with high process reliability. What's more, you benefit twice over: the purchase order process is less complicated and integration is quicker and easier.



standardized user interface

All 4Dpro sensors use SICK's universal device configuration software. This means that you can quickly familiarize yourself with all technologies. Data is sent to the control in the required format and the inputs and outputs of the 4Dpro sensors can be analyzed quickly by an event monitor.



Investment security, easy commissioning, low level of training required, fast and flexible exchange, even when switching between different identification technologies.

SICK LifeTime Services

SICK's services increase machine and plant productivity, enhance the safety of people all over the world, provide a solid foundation for a sustainable business operation, and protect investment goods. In addition to its usual consulting services, SICK provides direct on-site support during the conceptual design and commissioning phases as well as during operation.

The range of services not only covers aspects like maintenance and inspection, but also includes performance checks as well as upgrades and retrofits. Modular or customized service contracts extend the service life of plants and therefore increase their availability. If faults occur or limit values are exceeded, these are detected at all times by the corresponding sensors and systems.



Consulting and design

Application-specific advice on the product, its integration and the application itself.



commissioning and maintenance

Application-optimized and sustainable — thanks to professional commissioning and maintenance by a trained SICK service technician.



service contracts

Extended warranty, SICK Remote Service, 24-hour helpdesk, maintenance, availability guarantees and other modular components can be individually combined on request.



Technical data overview

Focus	Adjustable focus (electric) / teach auto focus (depending on type) (depending on type)
Sensor resolution	752 px x 480 px 1,280 px x 1,024 px (depending on type)
Scanning frequency	25 Hz / 60 Hz / 50 Hz (depending on type) (depending on type)
Reading distance	30 mm ... 1,500 mm (depending on type) (depending on type)
Enclosure rating	IP65 / IP67 (depending on type) (depending on type)
PROFINET	✓, optional over external fieldbus module / ✓ (depending on type) (depending on type)
EtherCAT	✓, optional over external fieldbus module
Serial	✓, RS-232, RS-422
CAN	✓
CANopen	✓
PROFIBUS DP	✓, optional over external fieldbus module
USB	✓
Ethernet	✓, TCP/IP
EtherNet/IP™	✓
Weight	170 g

Product description

The Lector62x is a compact image-based code reader for the reliable detection of 1D, 2D, and stacked codes as well as plain text. Its high-performance DPM decoder can read even lasered or dot-peened codes perfectly – even in the case of low contrast levels, contamination, or poor code quality. Thanks to the powerful illumination concept with bi-color LEDs, the Lector62x is particularly immune to ambient light. It ensures stable reading even in changing light conditions. The compact housing with swivel connector makes it the ideal code reader for production lines where space is tight.

At a glance

- Intelligent decoding algorithms and high-performance DPM decoder
- Immune to ambient light
- Powerful LEDs in red, blue, infrared
- Flexible optical accessories such as polarizing filter or dome attachment
- Compact housing with swivel connector
- Setup wizard with auto focus, aiming laser, green feedback LED
- microSD card for storing images and backup copies of parameters
- Innovative data handling with comprehensive sorting, filtering, and output formatting functions

Your benefits

- Intelligent decoding algorithms for maximum reading performance and high throughput, even with highly reflective or contaminated codes
- Variable illumination concept ensures stable reading even in changing light conditions
- Maximum reliability on shiny or reflective surfaces thanks to flexible optical accessories
- Compact design and swivel connector for easy integration even if installation space is tight
- Automated setup wizard with auto focus and aiming laser makes commissioning faster and more cost-effective
- Short downtimes when devices are replaced thanks to parameter backup on MicroSD card
- Programming is quick and easy since read results can be transmitted to the control system in the desired format
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Fields of application

- Automotive industry: production control and traceability of components
- Consumer goods industry: date code inspection, serialization, and package content monitoring
- Storage and conveyor systems: tote identification
- Electronics and solar industries: PCB, glass, and wafer identification

Ordering information

Other models and accessories → www.sick.com/Lector62x

Sensor resolution	Internal lighting	Optical focus	Codes/ data cards	Lens	Type	Part no.
1,280 px x 1,024 px	Red	Adjustable focus (electric)	1D codes, Stacked, 2D codes	Integrated, 9.6 mm	V2D621R-2MRLBE5	1085378
	Red, blue	Teach auto focus	1D codes, Stacked, 2D codes	Integrated, 17.1 mm	V2D621R-2MSFFB5	1085375
				Integrated, 9.6 mm	V2D621R-2MSFFB5	1085372
				Integrated, 17.1 mm	V2D621D-2MSFFB5	1085376
	Infrared	Teach auto focus	1D codes, Stacked, 2D codes, direct-marked codes, plain text	Integrated, 9.6 mm	V2D621D-2MSFFB5	1085373
				Integrated, 17.1 mm	V2D621D-2MDFGB5	1085377
752 px x 480 px	Red	Adjustable focus (electric)	1D codes, Stacked, 2D codes	Integrated, 7 mm	ICR620E-H12013 ECO	1054507
	Red, blue	Teach auto focus	1D codes, Stacked, 2D codes	Integrated, 7 mm	ICR620S-T11503 Professional	1050589
					ICR620S-T11504 Professional	1054375
				Integrated, 12 mm	ICR620D-T31503 DPM Plus	1064255
				Integrated, 18 mm	ICR620D-T51503 DPM Plus	1064256
				Integrated, 7 mm	ICR620D-T11503 DPM Plus	1055891
			1D codes, Stacked, 2D codes, direct-marked codes, plain text	Integrated, 7 mm	ICR620C-T11503S50 OCR	1062803
	Blue	Teach auto focus	1D codes, Stacked, 2D codes, direct-marked codes	Integrated, 7 mm	ICR620D-T17503 DPM Plus Solar	1060912
	Infrared	Teach auto focus	1D codes, Stacked, 2D codes	Integrated, 7 mm	ICR620S-T16503 Professional	1058623

• Variant: ECO

Sensor resolution	Internal lighting	Optical focus	Codes/ data cards	Lens	Type	Part no.
752 px x 480 px	Red, blue	Teach auto focus	1D codes, Stacked, 2D codes	Integrated, 7 mm	ICR620H-T11503 High Speed	1055890

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