



CLV61x

Reliable Decoding, Simple Integration

FIXED MOUNT BAR CODE SCANNERS

SICK
Sensor Intelligence.



Technical data overview

Optical focus	Fixed focus
Aperture angle	≤ 50°
Scanning frequency	400 Hz ... 1,000 Hz
Code resolution	0.1 mm ... 1 mm (depending on type) (depending on type)
Reading distance	25 mm ... 365 mm (depending on type) (depending on type)
Serial	✓, RS-232
CAN	✓
PROFINET	✓, optional over external fieldbus module
PROFIBUS DP	✓, optional over external fieldbus module
EtherCAT	✓, optional over external fieldbus module
Weight	265 g / 295 g (depending on type) (depending on type)

Product description

The CLV61x product family consists of compact, powerful fixed mount bar code scanners. In order to offer the best solution for the application, different variants (CAN, fieldbus) are available. The CLV615 fieldbus variant was developed specifically for the requirements of intralogistics. Thanks to the optimized reading field for container identification on the conveyor belt, in combination with the intuitive SOPAS user interface, quick and easy integration into your conveyor system is possible. The optional connectors, e.g., CDF600-2, enable simple connection to your control system, as well as direct configuration from the control environment. Thanks to the optional parameterization cloning module, rapid scanner replacement is also possible in the event of a fault – without having to reconfigure via a laptop/PC.

At a glance

- Optimized reading field for intralogistics applications
- Available with SICK CAN sensor network
- Configuration with SOPAS, the configuration tool for all new SICK products
- Available in different versions (CAN, Fieldbus) for use in almost any application
- Adjustable scanning frequency of up to 1000 scans per second
- Compact design

Your benefits

- The right scanner variant of the CLV61x for each application
- An optimized reading field for container identification on a conveyor belt, in combination with the intuitive SOPAS user interface, enables quick and easy integration into your conveyor system
- Compact design enables installation even in applications with limited space
- Less programming time required for the control system, since data can be transmitted to the control system in the desired format
- Depending on the variant, CLV61x fixed mount bar code scanners can be used as multiplexers in any SICK CAN sensor network, so additional multiplexers are not required
- The optional configuration cloning module in combination with the quick-release mounting bracket enables very fast replacement time in the event of a fault

Fields of application

- Warehouse conveyor technology: container identification
- Food and beverage: inspection of bar code for legibility directly after printing, bar code identification in packaging and secondary packaging processes
- Medical technology: clinical analysis
- Electronics and solar: bar code identification on wafer packaging

Ordering information

Other models and accessories → www.sick.com/CLV61x

- **Optical focus:** Fixed focus
- **Connection type:** cable
- **Enclosure rating:** IP65
- **Front screen:** Glass

Reading field	Scanning method	Items supplied	Type	Part no.
Front	Line scanning	Single scanner	CLV610-C0000	1057125
			CLV612-C0000	1066271
	Raster scanning	Single scanner	CLV610-C1000	1062846
			CLV610-C1900S01	1062864
			CLV612-C1000	1062861
Side (105°)	Line scanning	Kit includes single scanner and fieldbus module PROFIBUS DP (interface 2 x M12, male connector/female connector, 5-pin)	CLV615-F2000 CDF600-2100 Kit	1061528
			CLV615-F2000 CDF600-2103 Kit	1061529
		Single scanner	CLV612-C2000	1066272
	Raster scanning	Single scanner	CLV615-F2000	1058334
			CLV610-C3000	1071609
			CLV612-C3000	1062862
			CLV615-F3000	1068240

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