



CLV62x

Powerful scanner – flexible use

FIXED MOUNT BAR CODE SCANNERS

SICK
Sensor Intelligence.



Technical data overview

Optical focus	Fixed focus
Aperture angle	≤ 50°
Scanning frequency	400 Hz ... 1,200 Hz
Code resolution	0.15 mm ... 1 mm (depending on type) (depending on type)
Reading distance	25 mm ... 730 mm (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, RS-485
CAN	✓
CANopen	✓
PROFIBUS DP	✓, optional over external fieldbus module
DeviceNet™	✓, Optional, over external connection module
Ethernet	✓, TCP/IP
EtherNet/IP™	✓
Weight	205 g ... 854 g (depending on type) (depending on type)

Product description

The CLV62x product family consists of compact, powerful fixed mount bar code scanners which were designed for a wide range of applications. Powerful, simple operation and flexibility are terms which characterize the CLV62x product family. The CLV62x combines a high reading performance with the SMART620 code reconstruction system: A reading algorithm that can accurately identify bar codes even if they are damaged or partially covered. The CLV62x is available as a standard variant, or with an integrated Ethernet interface, including Ethernet/IP and PROFINET protocols. The high-performance scanner features a range of additional functions such as remote diagnostics, which are enabled by the integrated web server and integrated evaluation of read statistics.

At a glance

- CAN, Ethernet TCP/IP, PROFINET, and EtherNet/IP available on board, no additional gateway needed (depending on variant)
- SMART620 code reconstruction technology
- Flexible sorting, filtering, and logical functions
- Advanced, easy-to-use SOPAS configuration software
- High scanning frequency of up to 1,200 Hz
- Small housing
- Advanced remote diagnostics and network monitoring capabilities available over Ethernet
- IP 65 or IP 69K rated (depending on type)

Your benefits

- High read rate of damaged, dirty, and partially covered bar codes due to enhanced SMART620 code reconstruction
- Increased scanner intelligence enables sophisticated configuration of logical operations, reducing the control system programming effort. Data is then delivered in the desired format
- No supplementary Ethernet gateway required with Ethernet models – lowers costs
- The CLV62x scanner can be used as a multiplexer in any CAN scanner network from SICK – no supplementary multiplexer necessary
- Real-time code identification even at very high conveyor speeds
- Compact design and easy operation enable installation in situations with limited space

Fields of application

- Warehouse conveyor technology: picking station, container and pallet foot identification
- Food and beverage: inspection of bar code for legibility after printing, bar code identification in packaging and secondary packaging processes
- Medical technology: clinical analysis
- Aggregation of food and pharmaceutical packaging

Ordering information

Other models and accessories → www.sick.com/CLV62x

- **Optical focus:** Fixed focus

Connection type	Reading field	Scanning method	Enclosure rating	Front screen	Type	Part no.	
Ethernet	Front	Line scanning	IP65	Glass	CLV620-0120	1041547	
					CLV620-0830	1050940	
					CLV621-0120	1041785	
					CLV621-0830	1067571	
					CLV622-0120	1041793	
			Plastic	CLV620-0121	1044573		
				CLV622-0121	1044794		
			IP69K	Plastic	CLV620-0831S01	1066374	
			Raster scanning	IP65	Glass	CLV620-1120	1041549
						CLV621-1120	1041787
	CLV621-1830	1067572					
	Plastic	CLV622-1120		1041795			
		CLV622-1121		1043067			
	IP69K	Plastic		CLV620-1831S01	1067933		
	Side (105°)	Line scanning	IP65	Glass	CLV620-2120	1041551	
					CLV621-2120	1041789	
					CLV622-2120	1041797	
		Raster scanning	IP65	Glass	CLV620-3120	1041553	
					CLV621-3120	1041791	
					CLV622-3120	1041799	
Plastic					CLV622-3121	1043068	

Connection type	Reading field	Scanning method	Enclosure rating	Front screen	Type	Part no.
Cable	Front	Line scanning	IP65	Glass	CLV620-0000	1040288
					CLV620-0300	1053918
					CLV621-0000	1041784
					CLV622-0000	1041792
		Raster scanning	IP65	Glass	CLV622-0001	1047882
					CLV620-1000	1041548
					CLV621-1000	1041786
					CLV622-1000	1041794
	Side (105°)	Line scanning	IP65	Glass	CLV620-2000	1041550
					CLV620-2000S01	1064461
					CLV621-2000	1041788
					CLV622-2000	1041796
		Raster scanning	IP65	Glass	CLV620-3000	1041552
					CLV620-3300	1047825
					CLV621-3000	1041790
					CLV622-3000	1041798

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