



CLV63x

Intelligent scanning solution for logistics and automation

FIXED MOUNT BAR CODE SCANNERS

SICK
Sensor Intelligence.



Product description

The CLV63x product family consists of compact, powerful fixed mount bar code scanners which were designed for a wide range of applications.

The CLV63x combines a high reading performance with the improved SMART code reconstruction system: A reading algorithm that can accurately detect bar codes even if they are damaged or partially covered.

Integrated function buttons and a built-in LED bar graph enable the device to be commissioned quickly, the reading diagnosis to be started easily, and a matchcode to be taught in without a PC. The parameterization of the scanner can be saved externally via a microSD memory card.

A variety of reading distances can be covered by long-, mid- and short-range variants. All variants such as line or grid scanners, side light emission and oscillating mirrors as well as Ethernet versions are available.

At a glance

- Integrated function buttons, e. g., for starting auto setup or reading quality evaluation
- Integrated LED bar graph
- CAN, Ethernet TCP/IP, PROFINET, and EtherNet/IP on board. No additional Ethernet gateway required (for “Ethernet” connection type)
- Enhanced SMART 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
- Advanced remote diagnostics and network monitoring capabilities available over Ethernet

Your benefits

- Intelligent auto setup and multi-function pushbuttons save time during commissioning
- Easily execute firmware updates using the microSD memory card: no need for a PC
- Enhanced SMART technology reads damaged and partially obscured codes, increasing read rates
- Increased scanner intelligence enables sophisticated configuration of logical operations, reducing the control system programming effort. Data is then delivered in the desired format
- Real-time code identification even at very high conveyor speeds
- Increased scanning reliability due to high-performance computing power and high scanning frequency

Ordering information

Other models and accessories → www.sick.com/CLV63x

- **Optical focus:** Fixed focus

Connection type	Reading field	Scanner design	Enclosure rating	Front screen	Heating	Type	Part no.			
Ethernet	Oscillating mirror	Line scanner	IP65	Glass	✓	CLV630-6120F0	1051864			
						CLV631-6120F0	1065606			
					-	CLV630-6120	1041977			
						CLV630-6121S01	1066154			
						CLV631-6120	1041987			
						CLV632-6120	1041997			
				Plastic	-	CLV630-6121	1047279			
						CLV631-6121	1053805			
						CLV632-6121	1046368			
					IP69K	Plastic	-	CLV631-6831S01	1062136	
				Front	Line scanner	IP65	Glass	✓	CLV630-0120F0	1063470
									CLV631-0120F0	1051861
Ethernet	Front	Line scanner	IP65	Glass	-	CLV630-0120	1041969			
						CLV631-0120	1041979			
						CLV632-0120	1041989			
							Plastic	-	CLV630-0121	1047278
									CLV630-0121S01	1048440
									CLV632-0121	1047280
					IP69K	Plastic	-	CLV630-0831S01	1068600	
						CLV631-0831S01	1062070			
			Raster scanner	IP65	Glass	✓	CLV630-1120F0	1061765		
							CLV632-1120F0	1059813		
							-	CLV630-1120	1041971	
								CLV631-1120	1041981	
							CLV632-1120	1041991		
							Plastic	-	CLV630-1121	1046959
					CLV630-1121S01	1048439				
					CLV632-1121	1047281				
					IP69K	Plastic	-	CLV632-1831S01	1062530	
		Side (105°)		Line scanner	IP65	Glass	-	CLV630-2120	1041973	
								CLV631-2120	1041983	
								CLV632-2120	1041993	
								Plastic	-	CLV632-2831
			Raster scanner	IP65	Glass	-	CLV630-3120	1041975		
							CLV631-3120	1041985		
CLV632-3120	1041995									
	IP65	Plastic					-	CLV632-3121	1077806	

Connection type	Reading field	Scanner design	Enclosure rating	Front screen	Heating	Type	Part no.
Cable	Oscillating mirror	Line scanner	IP65	Glass	✓	CLV630-6000F0	1053927
					-	CLV630-6000	1041976
					-	CLV630-6001S01	1049008
					-	CLV631-6000	1041986
					-	CLV632-6000	1041996
	Front	Line scanner	IP65	Glass	✓	CLV630-0000F0	1051733
					-	CLV631-0000F0	1050778
					-	CLV630-0000	1040706
					-	CLV631-0000	1041978
					-	CLV632-0000	1041988
		-	CLV630-0001S01	1049006			
		Raster scanner	IP65	Glass	-	CLV630-1000	1041970
					-	CLV631-1000	1041980
					-	CLV632-1000	1041990
					-	CLV630-1001	1046493
	-				CLV630-1001S01	1049007	
	Side (105°)	Line scanner	IP65	Glass	✓	CLV632-2000F0	1059976
					-	CLV630-2000	1041972
					-	CLV631-2000	1041982
					-	CLV632-2000	1041992
Raster scanner		IP65	Glass	✓	CLV632-3000F0	1056858	
				-	CLV630-3000	1041974	
				-	CLV631-3000	1041984	
				-	CLV632-3000	1041994	
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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