



CLV48x

High tilt for a large range of applications

SICK
Sensor Intelligence.



Technical data overview

Optical focus	Dynamic focus control
Aperture angle	≤ 60° / ≤ 50° (depending on type)
Scanning frequency	600 Hz ... 1,200 Hz
Code resolution	0.25 mm ... 1 mm
Reading distance	225 mm ... 2,050 mm (depending on type)
Weight	1,500 g / 2,200 g (depending on type)

Product description

The CLV480, with dynamic focus control, enables bar codes to be read over long distances. An optional integrated heater easily handles low-temperature applications. In addition, even poorly printed bar codes can be read by SMART code recognition technology. It is available with an oscillating mirror for applications where the bar code label position varies. The oscillating mirror version can also be used in static applications where the bar code location is poorly defined.

At a glance

- Dynamic focus control in real time
- Label tilt from -45° to +45°
- Optimized reading on thermal paper
- Immune to ambient light
- CAN bus compatible for external interfacing and for omni-directional tracking mode
- High scanning reliability of short barcode heights
- Optional remote diagnostics
- Large reading distance up to 2 m

Your benefits

- High read rates even with short barcode heights, distorted, dirty and partly damaged barcodes, ensuring reliability
- Large aperture angle saves space
- Suitable for low-temperature applications with optional heater – saving costs
- External parameter cloning plug ensures very short MTTR

Ordering information

Other models and accessories → www.sick.com/CLV48x

- **Optical focus:** dynamic focus control
- **Code resolution:** 0.25 mm ... 1 mm
- **Enclosure rating:** IP65

Max. reading distance	Type	Part no.
≤ 1,925 mm	CLV480-1010	1024066
	CLV480-1011	1024068
≤ 2,050 mm	CLV480-0010	1024065
	CLV480-0011	1024067

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