



Scanning
Laserscanners



Scanning is identification. With identification solutions based on laser scanners, cameras and/or RFID-technologies nearly every reading situation can be handled.

Laser scanners

For optimising transport and information logistics processes: With the OPS (OMNI Portal System) is a bar-code reading system available for the most modern logistical demands. OPS is a technically optimised complete system for identifying bar codes on goods and other articles. The use of individual scanners allows the realisation of the ideal configuration for any application. More than 2000 installations worldwide demonstrate the reliability and efficiency of the OPS.

OPS-system advantages:

- Modular design permits individual adaptation to any application
- Excellent performance
- Real-time autofocus function without additional components for detection of object distances
- Use of CLV490 high-end scanners and/or compact CLX490 OMNI scanners
- Parameter-memory in scanner connection plug and quick-action lock system simplify device replacement
- Variety of bus connection modules can be integrated
- High level of operational reliability
- Highly cost-effective

Technical Data

Type	CLV490/CLV490 with oscillating mirror	CLX490
Design	Line scanner, options: with oscillating mirror, heating	X scanner (2 lines offset from each other at a 90° angle)
Types of bar codes	Code 39, code 128, code 93, codabar, EAN, EAN 128, UPC, 2/5 interleaved	Code 39, code 128, code 93, codabar, EAN, EAN 128, UPC, 2/5 interleaved
Resolution	Standard density, high density, low density	Standard density, high density, low density
Light source	Laser diode, red light ($\lambda = 650 \text{ nm}$), Laser class II	Laser diode, red light ($\lambda = 650 \text{ nm}$), Laser class II
Scanning/decoding frequency	600 ...1200 Hz	600 ...1200 Hz
Aperture angle	Max. 60° (max. 50° with oscillating mirror)	Max. 30°
Housing	Die-cast aluminium Enclosure rating IP65 (to DIN 40 050)	Die-cast aluminium Enclosure rating IP65 (to DIN 40 050)
Data interface Host	RS 232, RS 422/485; terminal: RS 232	RS 232, RS 422/485; terminal: RS 232

