



APPLICATION REPORT

A Scanner for any Situation

VB14N Barcode Scanners in Logistics Company Warehouses



VB14N barcode scanner

Modern material handling facilities often vary greatly in terms of building layout and design. Based on the structural features of each building, there are different distance and orientation mounting options for the scanners monitoring the flow of goods through the facility.

To ensure that the transported material is reliably identified at exactly the right time, flexible scanner hardware is essential. Scanners must be easy to install and the number of different scanner types used within one facility must be kept to a minimum.

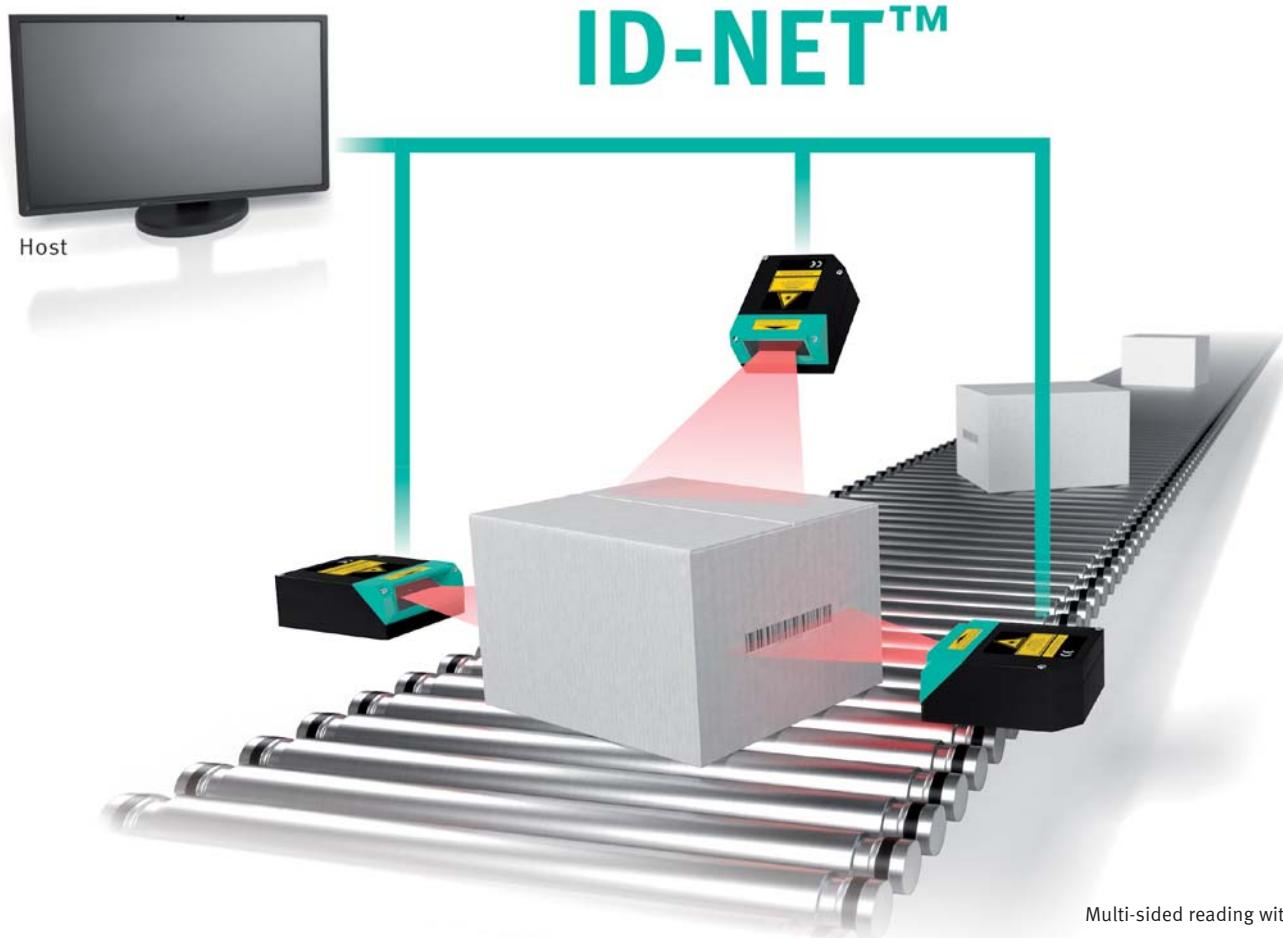
DIFFERENT STATIONS, DIFFERENT READING APPLICATIONS, ONE SOLUTION

In logistics company warehouses, the end-to-end flow of goods through the facility is coordinated using barcodes.

In the incoming goods area, the barcodes on shipments from various suppliers are positioned at different heights, so an oscillating mirror scanner is required to read barcodes on the side of packages. The

OM-VB14N oscillating mirror attachment enables the VB14N to perform this task.

The products are transported through the facility on trays. Usually, this means that the barcode must be read from the side. However, the space available for scanner mounting may be limited to just a few centimeters where conveyor belts are positioned in adjacent rows.



Multi-sided reading with the VB14N

A scanner with a side optical face is the solution, and the DM-VB14N deviation mirror allows the VB14N to complete this task with ease.

At certain points during the process, the trays are turned and transported sideways. The barcode is then positioned on the front of the package and is read from the top. In this scenario, the barcode needs to be read at an angle of up to 45 degrees, so the VB14N is used without a deviation mirror. In the outgoing goods area, the packages are positioned so that the barcode is always on one of the two sides, in ladder orientation and at different heights depending

on the size of the package. In these situations, barcode scanners – with large read field widths and networking capability – must be present on both sides of the packages. Because up to 32 VB14N scanners can be networked together using ID-NET, these scanners are also suitable for use in this scenario.

With its extensive range of accessories, the VB14N barcode scanner is a reliable solution for all kinds of reading applications, and reduces the number of scanner types required in the facility from at least three to just one.

BENEFITS OF THE VB14N AT A GLANCE

- Excellent read performance even with low barcode contrast
- Easy Teach-in of codes via mode button
- Up to 32 scanners can be connected to one another via ID-NET™
- Ideal for cold storage applications down to -35 °C
- Wide range of accessories for high flexibility