

## Efficient order picking / confirmation for Warehouse & Distribution

Camera-based data capture for order fulfillment - hands-free

### Task

#### Efficient barcode reading for order picking and confirmation

In distribution centers and mail order companies, thousands of orders are processed daily at manual workstations. Different items from different chutes or bins need to be packed in a shipping carton on the basis of a packing list or order form. A clear identification of the article via barcode and therefore error-free order picking is vital as well as a fast processing of the orders. Besides that, a secure archiving of the data needs to be guaranteed so that it can be used for claim management, etc.

### Implementation

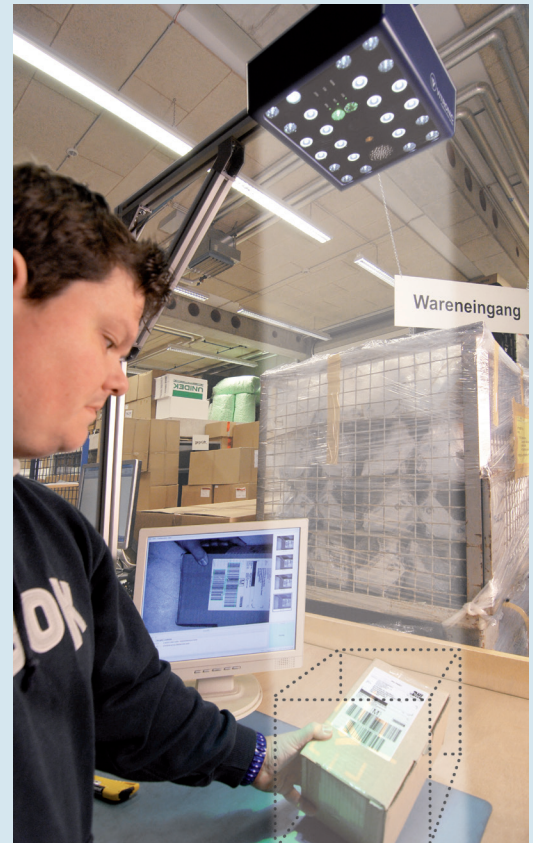
#### Camera-based multicode reader at manual workstations

The solution? A camera-based identification system, that captures the barcodes and 2D codes on the items automatically and provides the operator feedback for correct order picking via acoustic and optic signals.

The camera-based reading system VICAM<sup>snap!</sup> is installed above a manual workstation. The system loads the packing list with a configuration code. The operator moves the individual items quickly through the reading field of the camera, regardless of the position or rotation of the barcode on the item. The barcodes are captured quickly and reliably. The operator receives feedback from the system by means of optical signals, i.e. a red light warns the operator when the captured article is not part of the packing list.

When all deliverable articles are captured, VICAM<sup>snap!</sup> triggers the automatic issuing of a delivery note, shipping label or other documents.

For every captured article, an image is archived which can be used for i.e. claim management.



### Benefit

#### More efficiency and productivity for order fulfillment

By using VICAM<sup>snap!</sup>, distribution centers and mail order companies benefit from the following:

- error-free order picking
- automated processes
- easy installation and fast and productive operation
- save data archiving for efficient claim management (customer complaints, tracking, etc.)
- ergonomic working conditions for the operator

### Technical Data

<b>System</b>	VICAM <sup>snap!</sup> High-performance matrix camera	<b>Illumination</b>	Ergonomic LED illumination with white light
<b>Read area</b>	310 mm x 260 mm x 300 mm at 200 dpi with standard lens	<b>Hardware/interface</b>	FTP or TCP / IP
<b>Resolution:</b>	5 megapixels, 10 images/second		