

# Video coding

Online and offline video coding  
for 100 percent automation



**VITRONIC**  
machine vision people

The VIPAC system enables:

- Online and offline video coding: live during sorting or for later data collection
- Centralized integration of several devices in one video coding station, also at super-regional level (remote)
- Fast data entry
- Video coding even in the case of great distances between the identification place and the videocoding terminal
- Subsequent processing of 600 – 1000 addresses per hour



**Video coding enables 100 percent automation.**

Although the addresses cannot be read automatically at 100 %, VIPAC, along with the video coding, achieves identification rate of up to 100 %. The addresses that are not readable by the machine or cannot be fully identified are transmitted to video coding workplaces by means of a fast network. A picture or a section of a picture containing the label is transmitted to an available workplace. The images can be turned and zoomed. At the video coding workplace, trained personnel update the information online or offline.

The online video coding means that the information is immediately transmitted in a predetermined time frame and is made available for sorting and further processing.

## **VIPAC camera-based identification system**

*The automated processing of object- and client-related information serves to optimize the logistic processes. Optimization is achieved with the fully automated VIPAC identification system. VIPAC has a modular structure consisting of one or several camera units and decode computer(s). Dimensioning is also available with cameras or standalone. VIPAC identifies the most accurate reading rates from handwritten and machine-generated characters, as well as 1-D and 2-D codes from all sides of the object, regardless of the objects orientation. VIPAC even recognizes writing and codes under plastic film. The VITRONIC technology allows identification at belt speeds of up to 4.5m/s (885fpm).*

## **Performance features:**

- High throughput
- Ergonomic usage
- Pop-up menus
- Training modus
- Detailed statistics

In the case of offline video coding, the personnel subsequently add information that is needed not for sorting but for delivery. The information can be transmitted for video coding also to centralized processing sites for several distribution centers.

The video coding stations can be installed locally and centrally or as manual workplaces directly on the infeed conveyor belts. Depending on the qualification of the operators and the number of the data fields, coding performance of up to 1,000 objects per hour per station can be reached.

The VIPAC systems and the video coding stations are linked through an Ethernet connection.