

# Web-Based Monitoring

Image archive and search, analysis, statistics, status and configuration



**VITRONIC**  
machine vision people

The web-based VIPAC monitoring system is used for process-analysis and query of system information for all VIPAC systems. Four modules are available:

1. Module **Overview**:  
Reports operations condition, records events, and shows current installed software-versions
2. Module **Statistics**:  
Reports throughput of packages
3. Module **Configuration**:  
Enables setting of system-parameter
4. Module **Process-Analysis**:  
Archives data/images and enables image search



*Is the barcode damaged or covered? The Module Process-analysis shows images of all parcel sides.*

## 1. Module Overview:

- Status: reports operations condition
- Eventlog: logfile-analysis (recording events)
- Software version: shows installed software versions

## 2. Module Statistics:

Shows statistics of all VIPAC systems that are used at the hub.

## 3. Module Configuration:

- Adjustable amongst others:
- Minimum threshold of OCR-rate
  - Maximum size of address coding queue
  - Maximum rate of internal video coding errors

## 4. Module Process-Analysis:

In contrast to scanner-based systems, the camera-based identification system offers the option for follow-up analysis of unidentified objects, or the so-called NoReads. In this way it can be proved, for example, whether the codes or the labels do not correspond to the specification or whether the strapping band is hampering the reading process. The identification process can then be further optimized in cooperation with the logistics partners. The VIPAC Monitoring system can store, filter, search, display and export data and images of packages.

Filter-criteria include the code type, at any period and up to 20 optional criteria.

## Archive:

- 1-D-Codes: Code 39, Code 128, Code 205i
- 2-D-Codes: DataMatrix, PDF417
- Characters (OCR)
- Package information: volume, weight
- Image information: name, size (number of pixels)
- System information: VIPAC tunnel, name, video coding station

## Query and demonstration on the screen:

- Freely configurable search-criteria (filter)
- Combination of several search-criteria (free definable and logical link to all parameters)
- Search any periods (date, time)
- Search across all systems
- Shows images of all object-sides including zoom function
- With optical marking of relevant barcodes on the package



*The Module Overview shows the status of each tunnel.*

## Web-based monitoring at a glance:

- Central access to network with Firefox 3 and Internet Explorer 7
- Password-protected access to system
- 4 modules within 1 screen-interface
- To be used easily and intuitively
- Query can be carried out by any computer connected to the network: for each single VIPAC system; for a complete hub with several VIPAC systems; for several hubs worldwide; status information available any time