

IP-VCA video content analyzer for IP Cameras



...intelligence for IP Cameras **MADE IN GERMANY**

IP-VCA video content analyzer for IP Cameras

The IP-VCA is enhancing standard IP based security cameras and systems by infusing powerful video analytics and Event recording at the edge that automate indoor and outdoor security demands, setting a new standard in performance vs. cost. IP camera support (MPEG4, MJPEG* or H.264*) with resolution up to 1.3 Mega Pixel plus ONVIF compliancy* guarantees professional and reliable outdoor Object detection. Made in Germany.

Advantages

- Creates invisible fence capabilities without the costs of fence installation and hardware or the degradation of aesthetics
- Provides wide-area detection that can alert security of suspicious behavior inside and outside of the perimeter
- Provides better coverage than straight-line detectors or point sensors, such as PIR, fence sensors, ground sensors, smart fences, etc.
- Provides instant video confirmation and additional information for assessment of an alarm event
- Automatic responses provide instant deterrent and remediation capabilities that can prevent escalation
- Built-in stand-alone video analysis out- performs high-maintenance network dependant solutions that share processing resources, use up bandwidth, and suffer from network latency

Highlights

- Robust DSP-based Intelligent video edge device, no central PC processing required
- Ignores false alarms generated by small animals, swaying branches, cloud shadows, light changes, rain, snow and trivial movements in the scenery
- Intelligent video analyzer operates both as part of an integrated network or as a stand-alone unit* using ONVIF-Protocol*
- Built-in high-performance self-sustained video analytics
- MPEG4, MJPEG*, H.264* video streaming
- Performs predefined actions upon detected events, supports remote field-deployment with easy configuration and software upgrades over a network
- Non-PC based processing provides better system reliability and avoids network latency that slows detection

Performance

- High probability of detection while maintaining a remarkably low false alarms rate
- Detects intruders under harsh weather conditions, low visibility and poor lighting
- Superior non-flat detection sees objects in 3D-scape and at great distances for reliable detection

What can I do with the IP-VCA?

■ Intrusion detection Advantages

Automatically detects and alarms on forbidden directional movement including detection of human and vehicle movement in controlled areas.

■ Unattended baggage detection*

Automatically detects and alarms on the abandonment of baggage or objects in controlled areas.

■ Stopped vehicle detection*

Automatically detects and alarms on the presence of a stopped vehicle in an area where parking/standing is a violation.

■ Object removal detection*

Automatically detects and alarms on the sustained removal of objects or products from their given location.

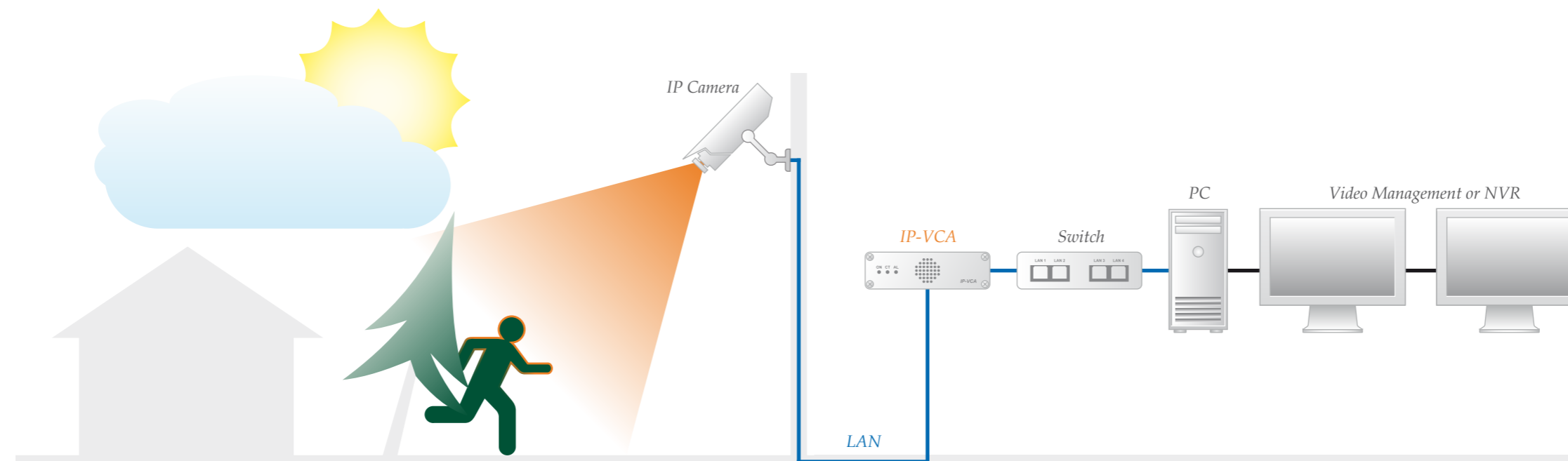
■ Camera tampering detection

Automatically alarms when camera operation is disrupted due to no video signal, poor video signal, shift in camera position and low visibility.

■ People counting*

People Count analytics count the number of people that pass through a designated area. People Count reports in CSV format can be used to determine staffing levels or customer conversion rates.

*available Q IV / 2011



IP-VCA technical data

Hardware:

Signal input:	2x Ethernet (10/100MBit) (Camera / Server)
Memory:	1x SD card slot (option)
Analysis:	DSP based algorithms, 8 scans / sec
Interfaces:	2 inputs (global, DST), passive protected; 1 relay output; 3 status-LEDs; 2x 10/100MBIT Ethernet
Housing:	Aluminum profile anodized, 180 x 106 x 35 (L x W x H)
Weight:	0.35 kg
Power supply:	External stabilized, 9-12V DC, 1500mA
Power consumption:	4.6W at 12V DC

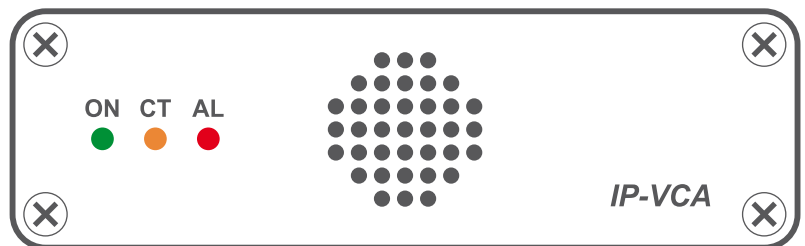
Software:

- PC setup via Ethernet interface (remote control support), storing and downloading of parameters, password protection
- Live picture transmission and display of analysis data via PC setup program
- 6 freely configurable event zones with different analysis functions
- Detection and tracking up to 16 different objects
- Analysis with perspective settings and people recognition
- Recognition / alarm notification of sabotage events
- Misc. filter function for detection of movements and for reduction of false alarms
- Two time zones with different setup parameters
- Time synchronization over external NTP server
- Logical combination of event areas and alarm inputs
- Individual setup of alarm commands for each event area and transmitting of the alarm picture with object markings
- VdS 2465-S3 protocol integrated

Accessories:

PC-software, manual, power supply unit and patch cable

Front, original size



Back, original size

