



Digital Video Alarm Sensor

- for analoge cameras (1 or 2) in outdoor areas -

Intelligent Video Analysis

- ▶ 3D-Video-Sensor (3D-Calculation based on the third dimension of the image)
- ▶ Configuration of sensitivity, direction of detection, fade out of light
- ▶ Raises an alert only by objects of defined size
- ▶ „Electronic fence“ for ignoring not relevant areas

- Eliminates most of the **inconsequential activities** in wide area analysis
- Capable to **recognise relevant movements** for an alarm e.g. intruders, vehicles
- Intelligent analysis and not only „pixel counting“ of common motion detection

▶ Reliable alerting especially in outdoor areas



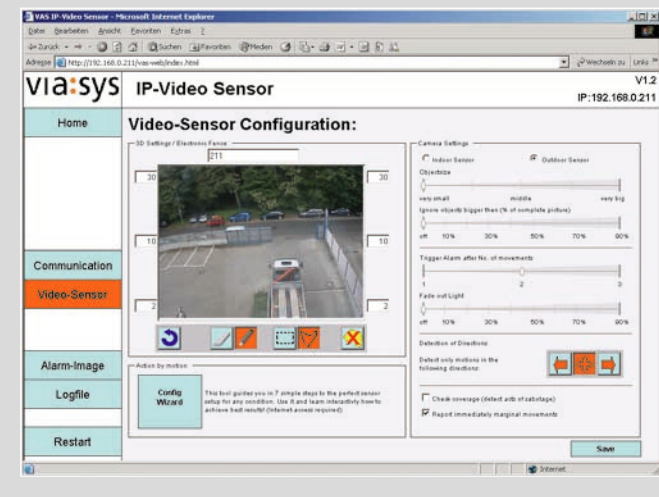
Easy integration in new or existing analoge video surveillance systems:

- Runs on embedded system with designated IP-address using Linux OS
 - Capable of connecting two analoge cameras
 - Viewer and configuration by web interface
- ▶ **Pure alarm trigger-functionality for DVR, NVR or Video-Management-Systems**



Software-Specification for Video Sensor

Input	Analoge up to 2 cameras (BNC)
Video standard	NTSC / PAL
Image size/ resolution	NTSC: 320 x 240 640 x 480 PAL / CIF: 384 x 288 768 x 576
Frames per second	mind. 5 Pictures / sec (5 FPS) max. 25 Pictures / sec (25 FPS)
Interfaces	4 inputs (Alarm) 4 outputs (Alarm, open collector) Eventkonfiguration over IP
Viewer	via Web Broser
Recording	Trigger of 3 rd party systems (DVR, NVR, ...)
Compression	JPEG
Storage	via 3 rd party systems (DVR, NVR, ...)
Operating mode	Triplex
Remote controll	via Web Browser
Password	yes
Configuration	via Web-Browser
Sensor	Camera selective settings, 3D Sensor, full image analysis, electronic fence to eliminate not relevant areas, 2 level sensor for indoor and outdoor, Automatic blocking of areas out of the detection area, ignores object sizes that are small or to large



Action	Setting of alarm inputs via relay contacts, trigger via TCP/IP on 3 rd party systems, Integrated Event-Management (ftp, email, http), PTZ control
Storage	Motion trigger via DVR, NVR (3 rd party systems) in various fps and resolutions*, Saves the images of the last alarm in the sensor: pre-alarm images, alarm images, protocol images
Long-term storage	q. v. Storage
Display	via web browser / V.A.S. PC-Client or 3 rd party systems <i>* by integration to 3rd party systems (DVR, NVR, GENETEC, milestone, NetAVIS, SeeTec, ...)</i>

Hardware Specification

Operating system	OS Linux auf μ CPU (ETRAX 100 LX)
Specification of HW	10 / 100 BaseTX Fast Ethernet 2 x BNC RS 232 serial Port 2 x 4 I/O μ CPU (ETRAX 100 LX) Power 9-24 VAC (or DC), 9,6 VA Power consumption 2,8-3,2 VA Temperature +5°C until +50°C Humidity: 8-80% RHG

Distribution

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