



IP-Video Alarm Sensor

- especially 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
- ▶ Raise an alert only by objects of defined size
- ▶ „electronic fence“ for ignoring not relevant areas

- Eliminating 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 IP-networks und Video Management Systems (e.g. milestone, NetAvis, SeeTec, ...):

- running on embedded system with designated IP-address using Linux OS
- capable of connecting two IP-cameras
- viewer and configurator by web interface

▶ Pure alarm trigger-functionality for Video-Management-Systems



Software-Specification IP-Video Sensor

Video standard	IP – JPEG (Motion JPEG) MPEG2* MPEG4*
Resolution / Image Size	NTSC: 320 x 240 640 x 480* PAL / CIF: 352 x 288 384 x 288 704 x 576* 768 x 576*
Frames per sec	min. 2 images / sec (2 FPS) max. 25 images / sec (25 FPS)*
Input	via IP 1-2 Cameras
Viewer	via 3 rd party systems
Recording	trigger of 3 rd party systems
Compression	JPEG
Storage	via 3 rd party systems
Operating mode	Triplex
Remote Control	via IP Ports / Web Browser
Password	yes
Konfiguration	via Web-Browser
Sensor	Camera selective settings, 3D Sensor, full image analysis, electronic fence to eliminate certain areas, 2 level sensor for indoor and outdoor, automatic blocking of areas out of the detection area, ignore object sizes that are too small or too large.
Actions	Trigger via com-port or TCP / IP to 3 rd party systems



Storage	Motion trigger via 3 rd party systems in various fps and resolutions* Save of the images of the last alarm in the sensor: Pre-alarm images, alarm images, protocol images.
Display	via web browser / via:sys PC-Client Software or 3 rd party systems
	* by integration to 3 rd party system (e.g. NetAvis, SeeTec, milestone, etc.)

Hardware-Specification

Operating System	OS Linux on μ CPU (ETRAX 100 LX)
Specification of HW	10 / 100 BaseTX Fast Ethernet RS 232 serial port Flash Memory 8 MB (4,5 MB for applications) RAM 32 MB Power 9-24 VAC (or DC), 9.6 VA, power consumption 2.8-3.2 VA Temperature +5°C to +50°C, Humidity 8-80% RHG

Distribution

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