

eSVC Scalable Video Concept

After 2 years of R & D, Company Video Information-Protection and 3Vision announce an alert Server Multi-Hybrid video and multi-functions: the mobile eSVC

Here is an overview of the features provided by the mobile eSVC ® that can be used infreight, in mobility or as an instrument of fight against inventory shrinkage, in addition to any pre-existing video installation.

A different casing of the hardware is proposed for shops or dwellings for wall mounting.

<http://smartalting.com>

<http://www.youtube.com/vip3vision>

mobile eSVC: Features overview

INTERACTIV Multi-hybrid system and multi-Functions

- intrusion alarms or fire
- CCTV
- Access control
- GPS tracking and location-based vehicle or building site
- Management PLC (horticultural management, measurement and remote controls)
- 4 analog cameras recording all in D1
- Recording four cameras Hikvision (High Definition or IP DVS / DVR)
- Video verification by the video attached to mail (SD analog or IP HD Hik)
- Three networks: 3G + WiFi + 1GB ethernet
- Choice of streaming or H264 AVC Scalable Video (new) for analog cameras
- Scalable Video, live, from vehicle with 3G SIM card with static IP

Priority to images quality for identification:

- Processing on the video signal BEFORE encoding or compresion
- Photos D1 simultaneously with videos of the analog cameras (module plate recognition under development)
- Video on future ISO H264 (MPEG 4 part 10) nom
- Scalable Video Stream in 2 or 3 cameras, the two other remaining H264 AVC.
- Our scalability ensures a perfect image on the remote network or in 3G, with a choice of nine possible flows (sizes 3 x Nb. frames per second)
- Image quality digital remote almost identical to the image of a camera displayed locally on the monitor via coax cable or television

The First multi-function mobile server with Video scalability

Exclusive ® SmartAlerting® Features

Up to 3 mails to 3 different recipients..

- Monitoring station or Service
- Response forces, public or private
- Owner or shopkeeper or national security actor

Including information ... to assist with the immediate and operational:

- GPS mapping with direct link to google maps
- Instructions specified by the owner or the monitoring station, filled directly into the mobile DVR, with each email sent
- Email managed by the monitoring station includes remote actions
- MPEG4 video included in the mail (including video HD from IP camera or encoder orDVS DVR Hikvision.

Options for central administration and reporting

- FTP cloning: a copy of routing events and logs to a central server
- Mail programmed to send logs to a systems administrator appointed
- Mail programmed to send the GPS tracking to a vehicle fleet manager appointed
- Mail programmed to send traceability of measurements (cold, humidity, etc.) to a manager or Quality Logistics

Setting local or remote via software NetConfig

- No system reboot for 70% of the modified parameters
- Programming software for linux PC or Windows PC does not require any browser or Internet ActivX
- proprietary communication protocol between video server and PC administration
- Anti-sniff network to protect the connections

Control of the system via any device with an internet browser: WEBcommander (option can be disabled))

- setting on/off via any phone with internet (no need for digital code)
- Stop or end of siren or flash or remote controls, remote command
- Beginning or end of the video stream
- Early or late Auto Record camera, request to send video by email
- Information on current status
- immediate location (last link position in Google maps)

Technical management, home automation, automation—

- Temperature and humidity embedded on picture
- Measures pH, ORP, noise, brightness, power consumption, etc.
- Email alert on exceeding levels measured and remote actions
- Cold chain traceability (mail surveys of the temperatures)
- Applications including: intrusion detection, solar orientation, control wine cigars cellars , horticultural management, legal noise control (dancings), HACCP fresh produce traceability, automation, home automation, traffic light management, etc.

Security, hardware, software

- Integration of safety and protection of data or communications. The eSVC is a true mobile multi-function server on Linux.
- Managing internal drive + external USB drive
- Boot from compact flash card containing the internal firmware 100% made in France
- Video chipset on motherboard, completely reprogrammed during the boot
- Industrial Hardware "embedded" low power ATOM N270
- The NetServeur eSVC runs exclusively on Linux
- This multi-function server is fully scalable and reprogrammable.
- Custom versions available for brands or sensitive applications.
- Suite Linux client or Windows
- (eSVC_WEBcommander, eSVC_downloader,eSVC_NetConfig, eSVC_channel, eSVC_GPS-locator)

technical outlook

This equipment, for its video part, announces a technological breakthrough with CCTV systems, video encoders and DVRs known until now.

The new chipsets will manhandle video IP solutions and suggest current analog camera to remain as the industry has not generalized the Scalability Video directly to new DVR and IP cameras.

The salvation of HD IP cameras or analog cameras even new HD (HDcctv stretch or HD-SDI over coax full HD), in remote mode, could come from the SVC stream, on pain of having to stay local solutions. Which industrial would dare to say that he will give up using a tool that adapt itself to the bandwidth while guaranteeing the quality of the image?

We propose right now an hybrid solution or H264 AVC Scalable Video Format (eSVC) able to guarantee the QUALITY of the image in remote environment or limited upload (such as 3G).

eSVC

**NDVR :
PHOTO
+ VIDEO**

Scalable Video Concept[®]

Communication:

System can be fully programmable remotely without reset

- Clone FTP
- Auto VPN integrated

Multi-network:

- Wi-Fi, Ethernet,
- Radio GSM/GPRS/Edge/UMTS/3G



Wi-Fi + 3G



NDVR PHOTO + VIDEO

Firmware made in France

HIGH RESOLUTIONS > 720p
(ex 1600x1200)



Live stream H264 AVC or Scalable (9 layers)

D1

CIF

QCIF

Target FPS
D1 25
CIF 12
QCIF 6

3 VISION



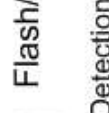
Enhanced functionalities

- Temperature, Humidity
- Input (loops)
- Remoted relays



- Smoke detector

GPS



Flash/Sirene

Detection

®

Smart Alerting System

- Alarm mail including HD Video Instructions
- Link to Google map with position
- Link with remot command for the monitoring station

I/O Card extension

A full range of high quality camera that can be remotely adjusted.
IP Cameras, analog Cameras, Domes, PTZ, Wifi.