



VisioS@ve Full IP

Full IP recorder server and video multiplexing matrix

- ▶ 8 to 32 IP video inputs
- ▶ GV protocol or Multi-Protocol versions
- ▶ 2 expandable monitor outputs (SVGA, DVI or HDMI)
- ▶ Recording format: Up to 5 megapixels depending on the camera and system capacities
- ▶ Up to 25 ips depending on the camera capacity
- ▶ Video compression H264, MPEG4 and MJPEG
- ▶ Up to 16 TB internal hard drives
- ▶ Internal DVD burner, RAID extension, network connection, 6 USB ports, telemetry port, etc.
- ▶ 4 inputs/4 outputs, expandable to 256 inputs/256 outputs
- ▶ Compatible with iOS® and Android® smartphones
- ▶ ONVIF and PSIA compatible

VisioS@ve Full IP

Environment

2 monitors, expandable to 4 (SGVA, DVI or HDMI)



VisioS@ve can be used as part of a complete security and surveillance environment.

It is a high-performance system when used in stand-alone mode, but the full power and range of possibilities that it offers are only really revealed when it is connected up to an IP network.

It is supplied with a number of modules and options and can be tailored to meet your specific requirements. VisioS@ve is upwardly compatible (*) – new features can be added without compromising your initial investment.

(*) Provided the hardware can handle requirements



Advanced video analysis

VisioS@ve integrates a range of advanced video analysis functions.

Face recognition, Counting, Crowd detection, Detection of abandoned or missing objects, Tracking within an image, Camera self-surveillance, Visual automation, etc.

Certain functions can be associated with multiple actions (displaying a camera feed in a pop-up window, triggering an output, triggering an audio alert, sending an alarm to a supervision system, e-mail, etc.).

Note: These analyses are based on reference images. For them to work properly, lighting needs to be constant and uniform.

Access flow management, or “counting”, flow direction alarm

Based on the access from one zone to another, VisioS@ve uses this function in two different ways:

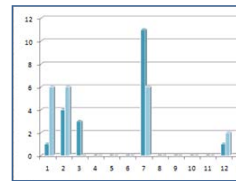
- Access flow analysis to highlight – for example – spikes in activity. A detailed breakdown of the information can be exported for processing in another application.
- An alarm can be triggered if a person moves from zone to another (used, for example, when surveying an intersection between two zones where return to the starting zone is prohibited).



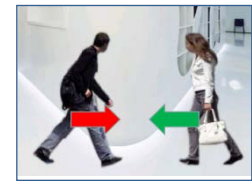
Access flow

ID	TIME START	TIME END	DIR	IN	OUT	DIRS	DIRS
1	12/08/2010 10:00:00	12/08/2010 10:00:00	1	1	0	0	0
2	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
3	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
4	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
5	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
6	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
7	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
8	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
9	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
10	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
11	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
12	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
13	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
14	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
15	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
16	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
17	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0
18	12/08/2010 10:00:00	12/08/2010 10:00:00	1	0	0	0	0

Data export



External analysis



'Wrong direction' alarm

Abandoned or missing object detection

The object surveillance function is able to detect an unexpected or missing object within the camera's detection field, and highlight its location.



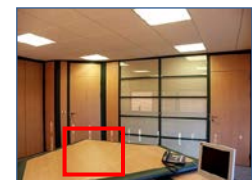
Type A analysis



Abandoned object



Type B analysis



Missing object



Network connectivity and remote management

Designed for remote management, VisioS@ve integrates a powerful, fully-functional web server. It is supplied with a software suite which boasts a range of functions. Additional applications can be used to extend these functions and meet the specific requirements of several different configurations and site types. VisioS@ve can be accessed via iOS® or Android® Smartphones or tablets. The VisioS@ve is compatible with the F1 frontal, and can be remotely surveyed. In order to adapt to available bandwidth, the user can remotely specify the size and quality of images to be sent for each application type.

Integrated Web server

The various camera feeds can be displayed in real time via VisioS@ve's integrated web server homepage. Mobile dome cams can be controlled, saved files can be viewed, the POS function can be controlled and graphic maps can be used.

There is a download centre for easily acquiring applications that are useful for remote management - Multiview(*) for viewing feeds in real-time, Viewlog(*) for replaying feeds, E-Map(*) for graphic maps.

Multiple users can connect to VisioS@ve simultaneously. Administrators can use Bandwidth Control(*), a powerful tool for monitoring bandwidth and controlling how much the application uses.



Remote management software suite

VisioS@ve includes a complete range of remote management applications:

- **CenterV2(*)**: Monitoring application for managing multiple systems (Displaying live views, receiving images when an alarm is triggered, bidirectional audio communication, I/O management, reports, sending e-mails, etc.)
- **CenterV2 Pro**: An extended version of CenterV2 which is capable of managing up to 500 systems
- **Control Center**: For remotely managing VisioS@ve systems. It has five main functions:
 - It enables a user to completely control a recorder's parameters
 - It can be used to search for, view and save recordings
 - It manages system I/Os
 - It manages remote access to a system office
 - It provides a digital matrix for managing 8 full HD 96 pixel monitors
- **VSM**: Monitoring application for technically managing up to 1.000 systems, transmitting faults, managing disk capacity for supervised sites, sending e-mail alerts, etc.



Integrated and open applications

Several optional applications are available for extending VisioS@ve's features. VisioS@ve can, for example, be interfaced with point-of-sale terminals or barcode readers, or license plate reading software can be added.

VisioS@ve can also be used with other systems, such as external video sensors.

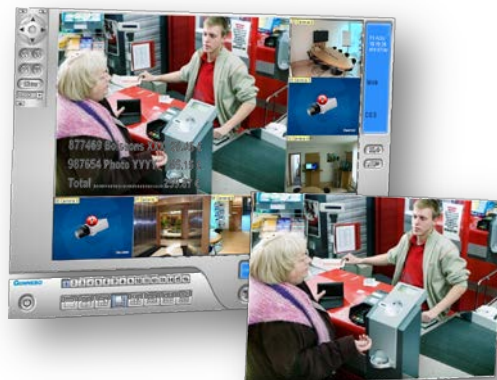
VisioS@ve is compatible with our integrated security system

SMI Server

Interfacing with point-of-sale terminals

With the point-of-sale terminal option, VisioS@ve can use information from cash registers or other types of system (barcode readers, etc.)*. It stores this information in its database, enabling a particular sequence to be accessed directly on the basis of various search criteria. Other actions can also be carried out (an external alarm can be triggered by a particular code or when a particular total is displayed, etc.)

**Subject to compatibility*



Map management

The integrated E-MAP application is for creating graphic maps on which video cameras, entrances and exits can be represented using icons.

A camera feed can be viewed simply by clicking on it, and its associated PTZ and audio functions can be managed.

Similarly, exits can be activated with a simple mouse click.

Use with external systems

VisioS@ve, with the multiprotocol version, is compatible with the RTSP, ONVIF and PSIA protocols.

It can take feeds from compatible peripheral devices or external systems.





Technical specifications

Available versions

The range features 2 versions in a new rack-mount chassis.

Version with internal hard drives (_R)

This system can be fitted with 5 factory-mounted internal hard drives. It must be used when there are no plans to increase hard drive capacity on site. Hard drive capacity can be up to 10 TB.



Hot-swap version with removable hard drives (_H)

This system offers the most flexibility and can easily be extended on site. The product includes 8 drawers to house the removable hard drives. Hard drive capacity can be up to 16 TB.



Compatible

IP cameras – GV protocol

VisioS@ve systems from this product family are compatible with GV cameras. This product range includes mini-dome cameras, mega-pixel cameras, PTZ domes and 1, 2 and 4 channel IP servers.

Compatible

IP cameras – Multi-Protocol

ACTI	ARECONT VISION	AXIS	BOSCH	CANON
GEOVISION	HIKVISION	IQEYE	JVC	MOBOTIX
PANASONIC	PELCO	SONY	VERINT	VIVOTEC

VisioS@ve is compatible with a wide selection of IP cameras or servers (a list of compatible hardware is available on request)

General characteristics

Dimensions	480 (L) x 177 (H) x 530 (P) mm (4U)
Weight	± 16 Kg (with 1 hard drive)
Ambient operating temperature	5°C to 45°C
Ambient operating humidity	<85%
Equipment compliant with standards	FCC, CE, RoHS, WEEE

VisioS@ve Full IP Range

VisioS@ve	VisioS@ve IP						VisioS@ve IP-M					
	8IP_R	8IP_H	16IP_R	16IP_H	32IP_R	32IP-H	8IP-M_R	8IP-M_H	16IP-M_R	16IP-M_H	32IP-M_R	32IP-M_H
No. of IP channels	8	8	16	16	32	32	8	8	16	16	32	32
Compatible protocols	GV protocol only						Multi Protocol (see compatibility list)					
Acquisition speed / IP cam.	Up to 25 ips depending on the IP camera or server											
Standard hard drive capacity	1 To	1 To	2 To	2 To	4 To	4 To	1 To	1 To	2 To	2 To	4 To	4 To
Maximum hard drive capacity	10 To	16 To	10 To	16 To	10 To	16 To	10 To	16 To	10 To	16 To	10 To	16 To
Drive locations	5 intern.	8 drawers	5 intern.	8 drawers	5 intern.	8 drawers	5 intern.	8 drawers	5 intern.	8 drawers	5 intern.	8 drawers
Outputs (1) SVGA/DVI/HDMI	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1
RS485 port	1	1	1	1	1	1	1	1	1	1	1	1
I/O number	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
10/100/1000 baseT network port	2	2	2	2	2	2	2	2	2	2	2	2
USB port	6	6	6	6	6	6	6	6	6	6	6	6
Hardware option	2 nd VGA card	2 nd VGA card	2 nd VGA card	2 nd VGA card RAID5	2 nd VGA card	2 nd VGA card RAID5	2 nd VGA card	2 nd VGA card	2 nd VGA card	2 nd VGA card RAID5	2 nd VGA card	2 nd VGA card RAID5
TPV or LPR option	Opt	Opt	Opt	Opt			Opt	Opt	Opt	Opt		
Applications included	CenterV2, E-Map, Multiview, Viewlog, Bandwith Control											
Management software options	Control Center, CenterV2 Pro, Dispatch Server, Supervision technique VSM, AVP											
Ref.	APQL96-xxx	APQL97-xxx	APQL98-xxx	APQL99-xxx	APQM01-xxx	APQM02-xxx	APQM03-xxx	APQM04-xxx	APQM05-xxx	APQM06-xxx	APQM07-xxx	APQM08-xxx
Languages	replace xxx by the desired language: French = FRA, English = ENG, Spanish = SPA, Portuguese = POR, German = DEU, Italian = ITA, Swedish=SWE											

(1) 2 output types can be used simultaneously.