

Videonetics Intelligent VMS 3.0 & RBH AxiomX Security Management System Integration



Overview

The seamless integration between Videonetics Intelligent VMS 3.0 (IVMS) and RBH AxiomX SMS (Security Management System) empowers operators to gain end-to end control over the physical access, intrusion alarm and PIDS (Perimeter Intrusion Detection Systems) through one centralized interface. RBH AxiomX SMS devices are used to regulate entry or exit of people by means of producing access credential at the entry/exit points, gather and process alarms from PIDS and intrusion sensors. Based on alarms and events received from various systems, AxiomX processes the raw data and grade them as alarms or Event.

The following parameters are taken into consideration:

- Point or place of alarm.
- Time of alarm.
- Simultaneous alarm from different areas.
- Customized logics from Guard tour, Access Control, PIDS, Intrusion systems, Manual alarm from Guarding Console etc.

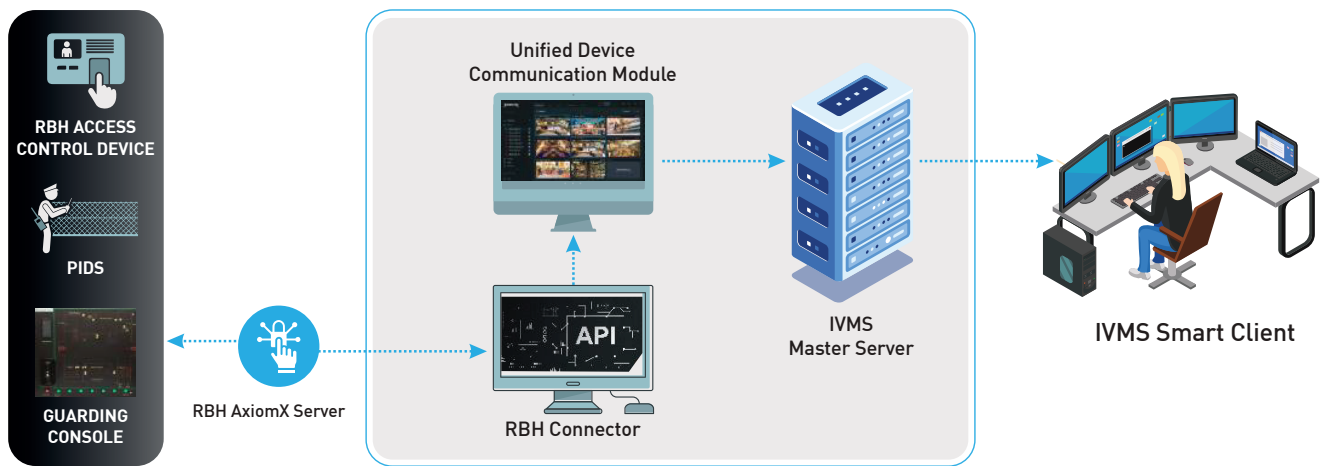
AxiomX SMS sends a notification to Videonetics Intelligent VMS and the incident is logged inside IVMS database along with other information.

Users can view alarms and events live on IVMS user interface. One or more cameras connected to IVMS can be associated with each of the access control devices/alarm points. Alarms and events from AxiomX devices are then tagged with a video clip and images from the cameras and displayed on the monitor, thus providing a better situational awareness of the scene.

IVMS indexes all the incidents captured by the AxiomX devices in real time with timestamps, so that at any later point of time users can view the recorded video of the surrounding cameras for the same time and understand the cause of the incidents better.

System Integration

Multiple Access control devices are connected to RBH AxiomX server. Videonetics Intelligent VMS communicates with the server to receive events and send requests to the access control system.



■ ■ ■ ■ Videonetics Intelligent VMS 3.0 ■ ■ ■ ■

By virtue of this integration, Intelligent VMS 3.0 receives the photo of a person registered with the AxiomX access control system over API. Once IVMS 3.0 receives notifications from access control devices, it displays the image of the camera capturing the scene along with the registered face of the person, thus enabling users to verify correct usage of the authentication mechanism (smartcard, etc.). The information thus received are indexed and stored in database for future reference or for investigation purpose.

The screenshot shows the **VIDEONETICS** software interface. The left sidebar contains navigation options: **Collections**, **Bookmarks**, **Map**, **External Systems**, **Access Control**, **ACS - Main**, **PIDS**, **Radar**, **Parking Management**, and **Crowd Management**. The main area displays a table of access events under the **Custom** tab. The table has columns for **S.**, **Image**, **Name**, **Time**, **Camera**, **Event Type**, and **Event**. The events are listed as follows:

S.	Image	Name	Time	Camera	Event Type	Event
1		Dr. Sudesh Das E075	Today, 12:10:39 PM	24_Lab Entry Gate	Office Entry	Granted
2		Sajal Maji E080	Today, 12:08:55 PM	24_Lab Entry Gate	Office Entry	Granted
3		Sourav Batabyal E106	Today, 12:06:11 PM	24_Lab Entry Gate	Office Entry	Granted
4		Sourav Batabyal E106	Today, 12:05:57 PM	24_Lab Entry Gate	Office Exit	Granted
5		Kausik Sengupta E025	Today, 11:57:54 AM	24_Lab Entry Gate	Office Entry	Granted
6		Sajal Maji E080	Today, 11:50:55 AM	24_Lab Entry Gate	Office Entry	Granted
7		Subhasis Chakraborty E112	Today, 11:44:30 AM	24_Lab Entry Gate	Office Entry	Granted
8		Kaustubh Bhattacharyya E035	Today, 11:44:28 AM	24_Lab Entry Gate	Office Entry	Granted
9		Dr. Sudesh Das E075	Today, 11:38:28 AM	24_Lab Entry Gate	Office Entry	Granted
10		Subhasis Chakraborty E112	Today, 11:30:37 AM	24_Lab Entry Gate	Office Exit	Granted
11		Dr. Sudesh Das E075	Today, 11:29:39 AM	24_Lab Entry Gate	Office Exit	Denied
12		Rounaq Choudhury E124	Today, 10:51:53 AM	24_Lab Entry Gate	Office Entry	Granted
13		Soumya Banerjee E115	Today, 10:50:43 AM	24_Lab Entry Gate	Office Entry	Granted
14		Divraj Kumar E043	Today, 10:41:49 AM	24_Lab Entry Gate	Office Entry	Granted
15		Rounaq Choudhury E124	Today, 10:40:50 AM	24_Lab Entry Gate	Office Exit	Granted
16		Ananta Das E012	Today, 10:33:02 AM	24_Lab Entry Gate	Office Exit	Granted
17		Priyesh Das E132	Today, 10:34:28 AM	24_Lab Entry Gate	Office Entry	Granted

Key Features

- Extracts the benefits of both access control as well as video surveillance.
- Unified intuitive interface for situational awareness when access control is used.
- Instant event forwarding to other operators using IVMS messaging framework, for faster response.
- Association of cameras on detection of objects on any event or alarm is used.
- Prevents unauthorized use of access control smartcards.
- Video pop up on IVMS Workstation on any event and alarm.
- PTZ camera movement on point of event/ Alarm to capture the scene.
- The unification of Intelligent VMS and RBH AxiomX SMS advances the security system by protecting any restricted zone from unauthorized entry/breach. Enabled with Videonetics AI/DL based analytics applications, the integrated solution can be scaled up to track a given person.

Compatibility

Videonetics Product
Intelligent VMS 3.0

RBH Access Product
AxiomX SMS

About RBH

RBH is a manufacturer of Security Management system, considered as one of the global leaders in their line of business. RBH has installation in almost all industry vertical from Hospitality, Airport, Industrial, multilocal etc. Drawing on decades of experience in Electronic Access Control for the Security Industry, RBH has always insisted that Innovation, Quality, Integrity, and Value be the cornerstones of the company and its products – and that the advantages resulting from dedication to these principles flow to the partners and customers.

RBH products are having high specifications to meet almost all kind of requirements. RBH has important features like end to end 256 bit encryption, open for integrations, best of industry certifications UL, EN, BIS for Intrusion alarm and access control.

About Videonetics

Videonetics Unified Video Computing Platform (UVCP™) helps you make sense of surveillance, by providing you with an end-to-end solution for a wide range of applications. The platform is powered by our Artificial Intelligence and Deep Learning engine, which is trained on humongous data sets, making our solutions incredibly robust and smart. All our products and solutions are integrated yet modular, ONVIF compliant, OS and hardware agnostic, scalable and interoperable.

Videonetics has been ranked #1 Video Management Software provider in India, and among the top 5 in Asia (IHS/Informa Tech Research). We remain driven by innovation, and committed to making the world a safer, smarter, happier place.



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