



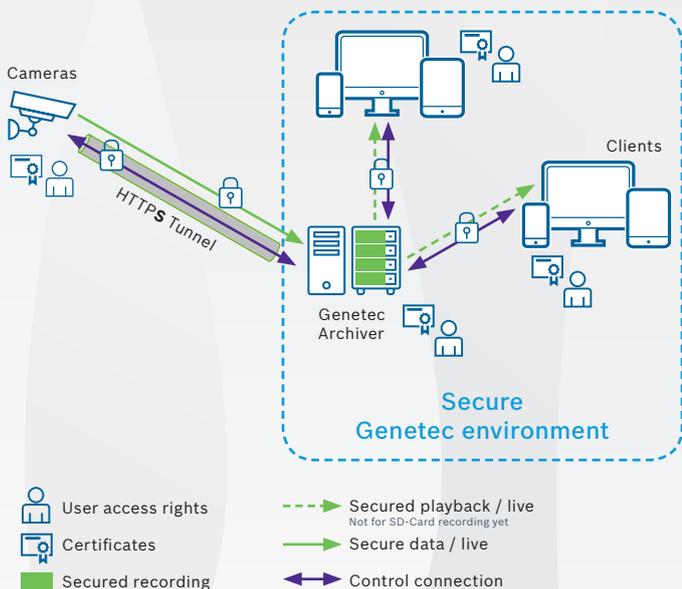
BOSCH

Invented for life

End to end secure Video Surveillance Solution

IP-based security systems

Bosch Security Systems and Genetec



- ▶ Genetec and Bosch provide an End2End Secure environment
- ▶ Support all Bosch IP Video devices due to dynamic Bosch extension
- ▶ Genetec's unified platform provides seamless management of digital video, audio and data across any IP network
- ▶ Bosch is a Gold Partner in the Genetec Technology Partner Program
- ▶ Comprehensive integration of Bosch Security System Portfolio; Intrusion B&G Series, video based fire detection AVIOTEC, Bosch Fire Panel FPA5000 and BIS and more



A long-term, strategic partnership has driven a deep level of integration between Bosch IP video devices and the Genetec unified security platform, Security Center, and Mission Control. Through deep integration with Bosch IP devices, customers can take advantage of many unique features that provide advanced capabilities for security and public safety applications.

Security Center leverage the fully encrypted connections from Bosch Cameras to the fully encrypted environment of Archiver and Clients by usage of SRTP and/or HTTPS. The exclusive common Certificate Authentication adds unique and outstanding combined data security on top.

Through built-in failover and redundancy capabilities, and its advanced video streaming engine, Security Center is deployed in some of the world's most demanding security applications, while enabling customers to reduce the cost of operating their IP surveillance system. A flexible architecture allows customers to grow their system over time, while its advanced Federation feature allows multi-site installations to centrally monitor remote independent sites, as if they were part of a single virtual system, improving the security and efficiency of managing multiple facilities.

Integration of motion and tamper detection, as well as Intelligent Video Analytic events are also certified to provide joint customers with advanced notification of potential security risks. Forensic Search capabilities provide customers the ability to rapidly find specific events when investigating recorded video.

This depth of integration gives customers immediate access to the latest technology innovations and cutting-edge products from both Bosch and Genetec.

Compatibility

Genetec	Bosch devices
Mission Control	Cameras & Encoders All Devices
Security Center Omnicast Standard Omnicast Pro Omnicast Enterprise	Recording Systems VRM 2.3 / VRM 3.x
Genetec AutoVu	Decoders VIP XD VIP XD HD VIDEOJET Decoder 3000 VVIP X1600-XFMD
	Intrusion Panels B&G Series
	Fire Alarm systems AVIOTEC IP starlight 8000 / Fire Panel FPA 5000
	Bosch Software Bosch Building Integration System
	Peripheral devices IntuiKey series keyboards
	For full list of devices refer to the Bosch firmware-product matrix in the tools section of our IPP portal (www.ipp.boschsecurity.com)

Key features covered with the Bosch & Genetec integration

End2End Security

Fully encrypted connections between BOSCH Camera, Genetec Archiver and Genetec Clients (Secure HTTPS Tunnel and/or SRTP), All Data are encrypted on Archiver.

Authentication via Certificate

The usage of Certificate provides more security than user names and passwords.

Video Analytic events

Up to eight different Intelligent Video Analytic rules can be configured via the camera interface simultaneously. Security Center can receive these events.

Video Analytic metadata support

It is supported to highlight objects with overlays based on the Bosch camera analytics (Security Center 5.6GA and higher).

Device configuration

A wide variety of Bosch configuration options are accessible via Security Center.

Client Dewarping

Transfer 360° video in usable images.

Playback via VRM

Security Center supports the Bosch VRM. Recorded data can be tunneled via the VRM without establishing a camera connection.

4K ultra HD

See every detail. Cover a large area and identify objects at a great distance. Capture fast moving objects in high resolution (12 MP) and delivers amazing detail even when zoomed-in.

LPR

Selected Bosch Camera(s) are supported in Genetec AutoVu

Region of interest

The Bosch Region of Interest feature is supported by Security Center for units with firmware 5.52 or later.

Forensic search

Forensic Search is supported in Security Center to search for user defined Intelligent Video Analytic (IVA) events from edge recordings. (Bosch VSDK needs to be installed on the client machines).

Edge recording

Genetec Security Center and Omnicast supports retrieval of recorded video on edge devices. For example, it can be used to secure a copy of the recorded video for redundancy or in case of a network failure. Also, edge recording can be used to avoid streaming video all across the network to save on bandwidth or to deploy a serverless remote location.

Video trickling

Video trickling leverages the recording capabilities of the edge devices (IP cameras and encoders) by providing the ability to transfer, on demand, the video from the edge and store it in Omnicast for long-term archiving. Downloads on schedule, on event or manually. Downloaded video can be filtered.

PTZ positioning

Operator can pan, tilt and zoom the camera simultaneously, allowing smooth tracking and PTZ operations. True visual PTZ field of view can be displayed in the map using Genetec Plan Manager.

Dejitter buffer

Due to optimized image buffering, video will display smoothly regardless of high resolution and framerates.

Tamper detection

A wide range of configuration options is available for alarms signaling camera tampering.

Multi streaming

Multiple video streams from a single video encoder or IP camera are natively supported. Configure different video settings for live viewing, remote live viewing (with restricted bandwidth), recording, or other specific usage. Provides maximum flexibility to storage and bandwidth optimization without the need to compromise either one.

Intrusion Panel Monitoring

Intrusion events and alarms tagged with video will help reduce false alarms and make certain your security team more efficient.

Support of Bosch Fire Products

The Bosch AVIOTEC fire and smoke detection camera and the Bosch Fire Panel FPA5000 are supported in Security Center 5.6 SR1 and higher).

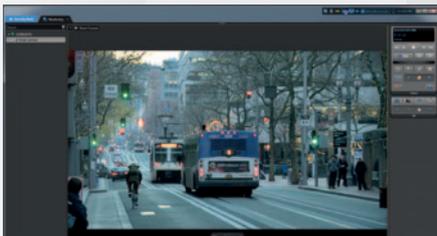
Support of BIS

The Bosch BIS (Building Integration System) is integrated via OPC Events in Security Center (5.6 GA SR1 and higher).

H.264 and h.265 compression

Support of latest and most efficient video compression standards (h.265 supported with SC 5.6 SR2)

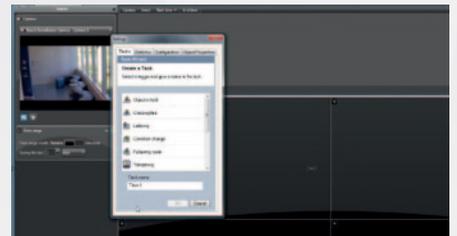
Configure and manage Bosch IP video devices through Genetec software



The integration provides advanced solutions for a variety of security and public safety applications.



Highlight objects of interest with overlays based on the Bosch camera analytics.



Up to eight different IVA rules can be configured via the camera interface simultaneously.

The Bosch division Security Systems is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security Systems develops and manufactures in its own plants across the world. Additional information can be accessed at www.boschsecurity.com

Visit www.ipp.boschsecurity.com for details on the Bosch Integration Partner Program

Genetec is a global provider of IP video surveillance, access control and license plate recognition solutions to markets such as transportation, education, retail, gaming, government and more. With sales offices and partnerships around the world, Genetec has established itself as the leader in innovative networked solutions by employing a high level of flexibility and forward-thinking principles into the development of its core technology and business solutions. Genetec's corporate culture is an extension of these very same principles, encouraging a dynamic and innovative workforce that is dedicated to the development of cutting-edge solutions and to exceptional customer care.

For more information, visit: www.genetec.com