



BOSCH

Invented for life

Bosch and Genetec.
Protecting the
everyday

Genetec[™]



Genetec and Bosch deliver integrated solutions, that go beyond the highest **surveillance** demands of today to substantially improve levels of **security**

Main benefits of Genetec and Bosch integrated solutions

- ▶ End-to-end data security solution
- ▶ Integrated security and safety solutions: video security, intrusion and fire detection systems
- ▶ Go beyond security with intelligent cameras that have built-in video analytics
- ▶ Reliable and early video based fire detection
- ▶ Highly reliable intrusion detection to protect people and property

Where are Genetec and Bosch integrated solutions used?

Multi store retail



Education



Public/government buildings and city surveillance*



Transportation (Airports and traffic monitoring)



* Genetec Citigraf™ is Safety Art Certified by the U.S. Department of Homeland Security

Bosch products and technologies are deeply integrated with Genetec Security Center

Video security	
Video analytics events and overlays	
Events – Alarm triggering	■
Automatic alarm follow up	■
Visualization in cameo (basic)	■
Metadata fusion	■
Image quality	
starlight	■
High resolution picture quality	■
Onboard & client side (basic) dewarping	■
Intelligent Auto Exposure	■
Data management	
Intelligent Dynamic Noise Reduction	■
H.265 encoding	■
Dynamic Transcoding	■
Video Recording Manager	■ (Not with data security)
Data security	
End-to-end solution	■
Intrusion alarm systems (B/G series)	
Auto discovery of intrusion system entities	■
Federated video of intrusion panels	■
Real-time status monitoring	■
Manual or automatic control	■
Event monitoring	■
Video verification	■
Fire alarm systems	
AVIOTEC triggers, overlays and events	■



Bosch and Genetec. Partners in everyday protection



End-to-end data security solution

Bosch cameras and Genetec systems are fully integrated, resulting in an end-to-end data security solution incorporating all Bosch network video surveillance cameras, plus Genetec Archiver and Security Center.

All Bosch IP-cameras have a built-in Trusted Platform Module (TPM) to safely store cryptographic keys and enable encryption of all video data, which is then sent from the camera to the Genetec Archiver using SRTP (Secure Real-Time Transport Protocol). Using SRTP throughout the whole infrastructure enables your customers to set up a secured multi-cast network, so they get security and good network scalability at the same time.

Secure data

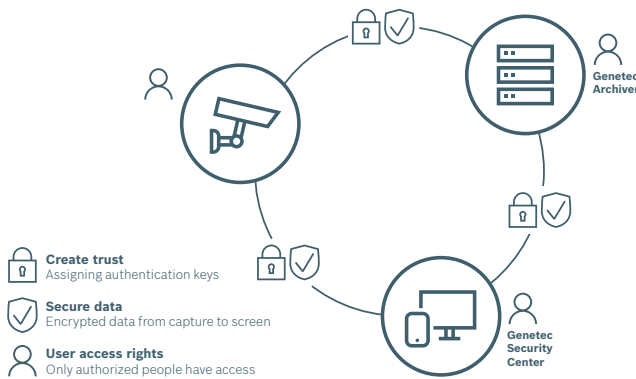
- ▶ Data is encrypted in camera before streaming
- ▶ Encrypted data is streamed via secured connection (SRTP)
- ▶ Encrypted data is stored
- ▶ Configuration and commands are sent via a secured channel (HTTPS)
- ▶ Cryptographic operations are executed inside TPM*

Create trust with authentication

- ▶ Verify the legitimacy of network components
- ▶ Avoid man-in-the-middle attacks with certificates
- ▶ Use certificates and (public) keys for authentication
- ▶ Safely store keys in camera's built-in Trusted Platform Module (TPM)
- ▶ Employ the above before communication (data transfer) starts

User access rights

- ▶ Only authorized users have access to the system
- ▶ Permissioning scheme
 - Specific users
 - User groups
- ▶ Partitions determining what users can see
- ▶ Privileges determining what users can do (> 300 privileges)
- ▶ Support of Microsoft's Active Directory



Integrated security and safety solutions: video security, fire detection and intrusion systems

By gaining access to the latest technology innovations from Bosch and Genetec, customers can take advantage of the unique features offered by the comprehensive integration between Genetec Security Center and the Bosch Security and Safety Systems portfolio: Video systems, video based fire detection (AVIOTEC), intrusion B&G series.

This effective cross-domain integration enables Bosch and Genetec to offer a simple and centralized way for customers to interact with their security and safety system. Plus, a single system reduces installation and maintenance costs and lowers your overall cost of ownership.



Go beyond security with intelligent cameras that have built-in video analytics

Protect the everyday with intelligent solutions that go beyond the highest security demands. Intelligent cameras with built-in video analytics are seamlessly integrated with Genetec Security Center and offer improved situational awareness, accurate and reliable alarms, and intelligence to help your customers make smarter business decisions e.g. to optimize in-store services and customer experience.



Reliable and early video based fire detection

Bosch AVIOTEC IP starlight 8000 and Genetec Security Center set new standards in video-based fire detection by applying Intelligent Video Analytics to detect smoke and flames with outstanding speed and reliability.



Highly reliable intrusion detection to protect people and property

Genetec Security Center is integrated with Bosch B&G series intrusion panels to offer a reliable, integrated video and intrusion monitoring platform to improve the security of people, resources and assets, and allows seamless management of video and security devices.

Bosch Security and Safety Systems

Visit [boschsecurity.com](https://www.boschsecurity.com) for more information.

Genetec

Visit [genetec.com](https://www.genetec.com) for more information.