

Integrated Cloud-based Service Solution

Bosch Security Systems and Micro Key



BOSCH

Invented for life

Bosch Security Systems

Cloud-based Services



Micro Key

Millennium

Solution summary

- ▶ Ready-to-sell video services for security and business optimization now compatible with Millennium
- ▶ Connects with any compatible Bosch IP camera – newly installed or operating in the field
- ▶ Cameras are securely commissioning by a Bosch proprietary plug & play mechanism and require no additional skill for setup
- ▶ No additional training – operators receive and process video events from within Millennium
- ▶ Efficient operations through remote configuration and troubleshooting, reduces time-on-site and repeat visits

MICRO KEY
SOLUTIONS

This integration brings together Cloud-based Services from Bosch and Micro Key's alarm monitoring platform for an intelligent video surveillance solution ideal for central stations.

Users of Micro Key Millennium Monitoring can easily add video and business optimization services from Cloud-based Services, such as Virtual Guard Tours or Customer Traffic Reports. Lean service operation tools like remote configuration of IP cameras or service action plans, assist central station operators in providing services with minimal overhead. Cloud-based Services and Micro Key integration supports all Bosch IP cameras with proven features and key technologies such as starlight low light performance and Intelligent Video Analytics. Bosch Storage devices are also compatible.

Cloud-based Services is hosted and maintained by Bosch and requires no additional software to be installed on the premises. The connection between the systems is established by a single IP port and can be secured by standard VPN technologies. Once the IP connection is established, Cloud-based Services is added to Micro Key quickly as an IP receiver.

Cloud-based Services by Bosch manages camera connections and receiving of alarm events. Events configured to be forwarded to central stations will be displayed in Millennium alarm stack similar

to other signals. When processed by the operator, the live video stream and incident evidence (image or video clip) is available for viewing online to help operators assess the situation quickly and effectively, and if necessary, perform audio intervention through a loudspeaker connected to the camera. Video alarm resolution is done by standard means from within Millennium. Cameras managed by Cloud-based Services can be quickly reconfigured remotely by the central stations in response to things such as a change in environment. This allows for rejection of false alarms and higher detection performance to continually improve and reduce service provisioning costs.

Bosch is committed to continuously growing Cloud-based Services by adding additional features for efficient operation and ready-to-sell services. These become available to subscribed Micro Key users without changes needed at the central stations to ensure integration with Cloud-based Services is future-proof and long-lasting.

Compatibility

Micro Key Solutions

Millennium Monitoring

Bosch Security Systems

Cloud-based Services

Applications / Vertical Markets



Central Monitoring Stations

With this integrated solution, Central Stations can offer and operate new security and business support video monitoring services to their end-customers.



Remote Critical Infrastructures

The cloud-based solution allows easy connection to the Central Station from multiple remote locations such as windparks or construction sites.



Small and Medium Businesses

Starting with one Bosch IP camera connected to the Central Station, the system setup is light and convenient for small and medium businesses. With 24/7 Live Intervention, Central Stations can effectively prevent vandalism & theft at the connected site. The end-customer app allows multi-site managers to keep an eye on their locations.



Retail

Retailers especially benefit from video services beyond security such as Customer Traffic Report, harnessing the intelligence of cloud-based video to evaluate store performance and marketing activities.

Key features from Cloud-based Services

24/7 Live Intervention	Bosch IP-video surveillance cameras keep watch to prevent threats such as vandalism and theft. Operators can verify all alarms through live and recorded video and act accordingly, if necessary via live audio intervention through a loudspeaker connected to the camera.
Virtual Assistant	This service connects staff to the central station at the push of an emergency button, so alarm operators can support staff onsite with immediate remote video and audio support.
Virtual Guard Tours	With this service, central station operators can perform pre-scheduled virtual checks of all key areas at the end-customer's site. If necessary, video evidence can be exported and provided to the customer for situation clarification.
Customer Traffic Report	Visitor traffic at the end-customer's site can be monitored, analyzed and processed at the Bosch Security Cloud to generate reports that help to improve the end-customer's business.
Site Monitor App	The app offers end-customers flexible remote access anywhere, anytime. The app is available for Android- and iOS-based devices.
Plug & play camera setup	Bosch IP-video surveillance cameras easily connect to the Bosch Security Cloud – no VPN or router security settings need to be configured.
Efficient service operation tools	All services can be configured remotely from the central station including schedules, scenarios, or optimization reconfigurations.

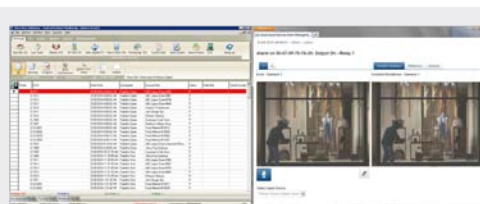
Camera set-up, service configuration & operation



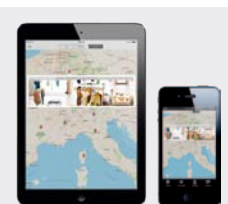
Plug & play camera commissioning by installer



Remote service configuration at Central Station



Video service operation at Central Station



Site Monitor App for end-customer live video access

Micro Key Solutions is offering accounting, alarm dealer and central station software for over 4,000 customers in 43 nations. Micro Key Solutions saves money, simplifies training and automates operations. Companies have trusted Micro Key solutions for their security, fire, environmental, medical and mechanical monitoring and accounting needs for decades.
www.microkey.com

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

Visit cloud.boschsecurity.com for details on Cloud-based Services.