

**BOSCH**

Invented for life

Integrated Video Surveillance Solution

Bosch Security Systems and LenelS2

Bosch and LenelS2 work closely together to ensure integration between Bosch IP cameras and the LenelS2 Network Video Recorder (NVR) and between Bosch recording solutions and the OnGuard® access control system. Operators can verify system events and alarms by viewing video from Bosch devices directly in the OnGuard user interface. With the ability to see the source of an alarm using nearby cameras, security personnel gain the visual information they need to respond more accurately and efficiently.

Bosch IP camera integration

Customers can view live and recorded video from Bosch cameras using LenelS2 NVR. As a result, the solution combines the latest video analytics technology from Bosch with LenelS2's reliable video recording engine for OnGuard, and enables control and configuration of the cameras from within the OnGuard access control platform. LenelS2 NVR supports Bosch IP cameras, including fixed, panoramic, and pan-tilt-zoom cameras featuring the latest intelligence with built in video analytics in a broad range of cameras for everyday surveillance, all the way to high end cameras with advanced features. Advanced intelligence enables Bosch IP cameras to deliver the highest quality images and data helping to enable your camera to go beyond basic security towards a predictive future.

Bosch recording solutions integration

This certification allows customers to view live and playback video from Bosch recording solutions and to display Intelligent Video Analytic events within the OnGuard access control platform. Video analytic alerts delivered from Bosch are built in our cameras and those provide virtual support for security personnel, focusing attention on perimeter breaches, loitering and other security concerns. As a result, customers gain earlier risk detection from the camera and an advanced level of facility control for enhanced safety and security.

OnGuard seamlessly integrates with the DIVAR IP family of recording appliances from Bosch for intuitive and affordable IP video storage and management. Video Recording Manager 4.0 from Bosch is also certified, and provides automatic balancing of video streams to optimize storage space and improve retention times.



In partnership with



Compatibility

| LenelS2 | Bosch devices | | | |
|--------------------------------|--|---|---|---|
| LenelS2 NVR LenelS2 OnGuard | Fixed and Panoramic Cameras <ul style="list-style-type: none">▶ DINION IP 4000-8000 family▶ FLEXIDOME IP 4000i-8000i family▶ Legacy Fixed Cameras | Moving Cameras <ul style="list-style-type: none">▶ AUTODOME IP 7000i family▶ MIC IP 7000i -9000i family▶ Legacy moving cameras | Encoders <ul style="list-style-type: none">▶ VideoJet multi 4000▶ Legacy encoders | Recording Solutions <ul style="list-style-type: none">▶ DIVAR IP family▶ VRM 4.00 |

Applications/Vertical Markets



Education

Create a safer environment for students, faculty and visitors, while protecting assets, equipment and property. Monitor parking lots, pedestrian malls, residence halls and exterior walls, all from a centralized point.



Energy

Mitigate risk, respond to emergency events, account for people and identify employees, contractors and visitors moving through energy production facilities, even in hazardous locations and remote areas.



Healthcare

Monitor who enters and leaves pharmacy, emergency and other critical areas and quickly respond to an alarm from any point in the facility. The combined solution offers comprehensive security for people, assets and property.



Federal government

Comply with the rigorous security requirements of government installations with Lenel NVR, OnGuard and Bosch IP cameras—field proven solutions in a range of government installations.

Key features from Bosch covered in the solution

Intelligent Video Analysis (IVA) events

Alerts to predefined events and displays color overlays to indicate where the alarm occurs in the scene

Video Recording Manager (VRM) playback

Provides immediate access to video stored across multiple iSCSI disk arrays

Intelligent Auto Exposure

Automatically adjusts image processing to capture the most detail for objects of interest

Intelligent Dynamic Noise Reduction

Actively analyzes the contents of a scene to reduce bit rates and therefore bandwidth and storage requirements up to 50%

H.264/H.265 compression

Further reduces bit rates even with high image quality

Solution summary

- ▶ LenelS2 OnGuard supports many of the latest IP recording solutions from Bosch
- ▶ Integration of Video Recording Manager improves storage utilization
- ▶ Display of Intelligent Video Analysis events from Bosch recording solutions provides earlier risk detection
- ▶ LenelS2 NVR supports Bosch IP cameras
- ▶ Support for intelligent devices reduces bit rates to lower system costs

LenelS2 is the global leader in advanced physical security solutions, including access control, video surveillance and mobile credentialing. Incorporating open architecture, LenelS2 provides scalable, unified security management solutions. LenelS2 is part of Carrier Global Corporation, a leading global provider of healthy, safe, sustainable and intelligent building and cold chain solutions.

More information about LenelS2 can be found at www.lenels2.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 ipp.boschsecurity.com