

**BOSCH**

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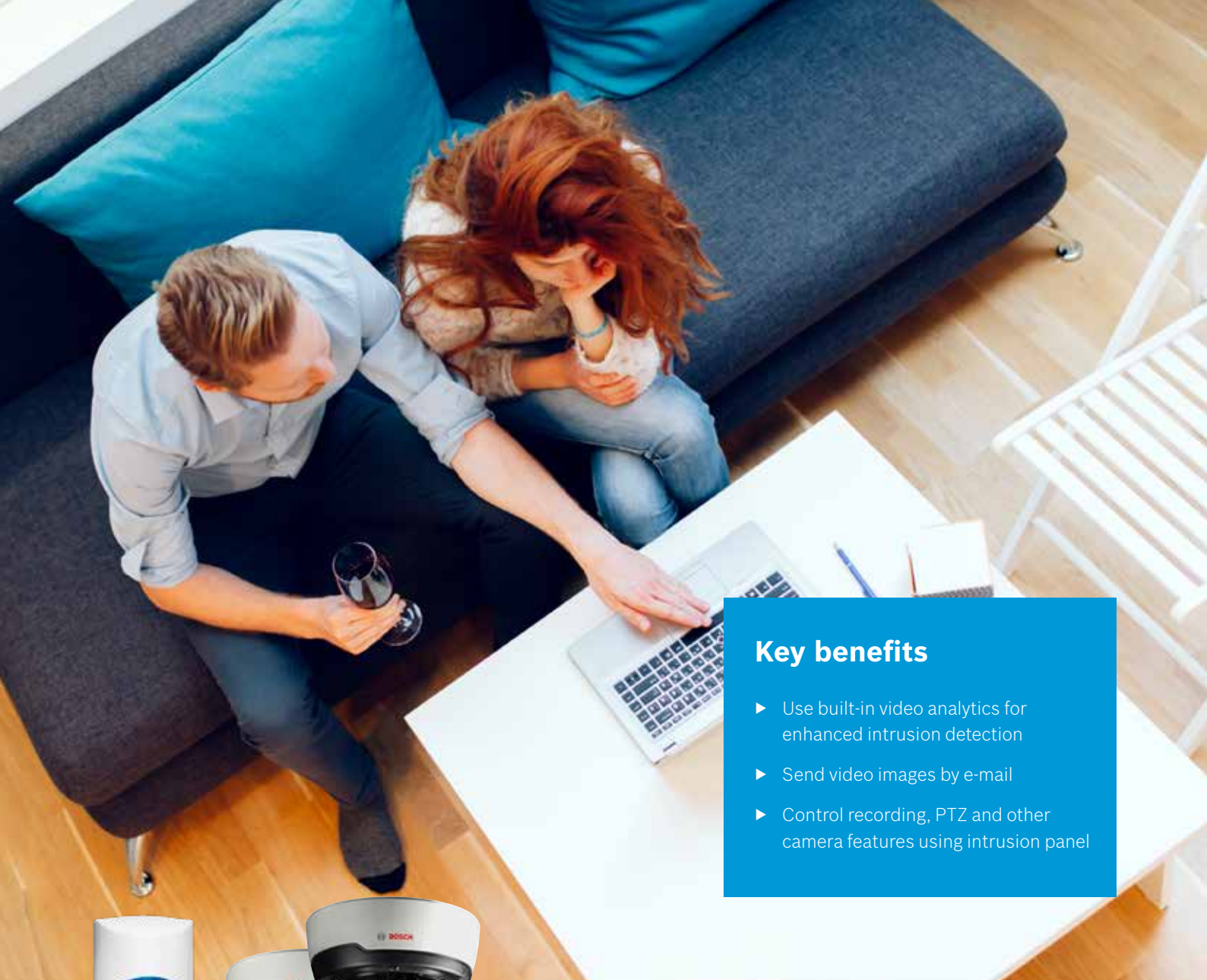
Application Note

Integrate directly Bosch IP cameras as intrusion panel inputs or outputs

Enhance your intrusion alarm system with video security

B Series and G Series can be used to combine various security and safety domains in one comprehensive solution. The B Series and G Series intrusion panels communicate directly with Bosch IP cameras, and there is no need to add any hardware or software in-between. They can receive up to eight different alarms from IP cameras video analytics, and can give up to four commands to the IP camera such as: start recording, take snapshot and send it to an e-mail destination, pan-tilt-zoom to a specific area and take snapshot or start recording.





Key benefits

- ▶ Use built-in video analytics for enhanced intrusion detection
- ▶ Send video images by e-mail
- ▶ Control recording, PTZ and other camera features using intrusion panel



Integrate Bosch IP cameras as intrusion panel inputs

B Series and G Series control panels have a built-in network connection and can integrate directly with Bosch IP cameras, using them as fully supervised intrusion detection points. The majority of Bosch IP camera portfolio offer built-in video analytics and tamper protection, which increases the level of detection without adding costs.

Step 1:

Program the DNS or IP address of the camera into the B Series or G Series control panel and change the detection point's SOURCE to IP camera.

Step 2:

Log into the Bosch IP camera and program Video Content Analysis (VCA) to configure video analytics events. When a pre-defined video analytics rule is met, an alarm is triggered based on predefined output definition (message, notification, siren etc).



No network video recorder (NVR) required

Bosch offers Video Security Client free of charge in order to view video images. The surveillance software is included and video can be recorded on the IP camera's SD card or remotely on a PC, Dropbox account, or FTP server.

Personal Video Notifications using Bosch IP Cameras

B Series and G Series control panels can trigger personal notifications directly to the end user at no cost using live images from the IP camera. Video images can be easily added to any personal notification, such as opening /closings, alarm verifications, and motion detection.

Integrate Bosch IP cameras as intrusion panel outputs

Step 1:

Program one of the panel outputs as IP CAMERA and then configure that output. When the output activates, the panel will activate the camera's virtual input over the customer's network.

Step 2:

Log into the camera and program ALARM EMAIL to enter the destination email settings for the personal video notifications. You can also include the camera's DNS or IP address in the notification, allowing the recipient to connect directly to the activated camera, by simply clicking on a link in the message.

The outputs of B Series and G Series panels can also control other IP camera options including PTZ and video recording.

Application 1: Intrusion Detection with Video Analytics

Most Bosch IP cameras feature advanced built-in video analytics. Video analytics allows for intrusion detection to be programmed in a selectable view. If sources of false alarms could be present, simply mask them in the camera's field of view.

Application 3: Built-in Two-way Audio

Selected Bosch IP cameras feature a built-in microphone and loudspeaker that allows remote users to listen in on an area and to communicate with visitors or intruders. Audio detection can be used to generate an alarm if needed.

Application 2: Burglary Cross Zoning using IP Cameras

Each IP camera is a detection point on the B Series and G Series panels, so arming status and programmable options such as Burglary Cross Zoning can use the IP camera as the second alarm. The camera can detect motion within a selectable view, audio within a selectable frequency and volume, and tampering such as masking of the camera.



To manage many IP cameras or multiple sites on a mobile device and control camera features such as pan, tilt, zoom (PTZ), and audio, Bosch Security offers additional free video apps at appcenter.bosch.com



Bosch Security and Safety Systems

Protecting lives, buildings and assets is our aim. Our product portfolio includes video security, 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.

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