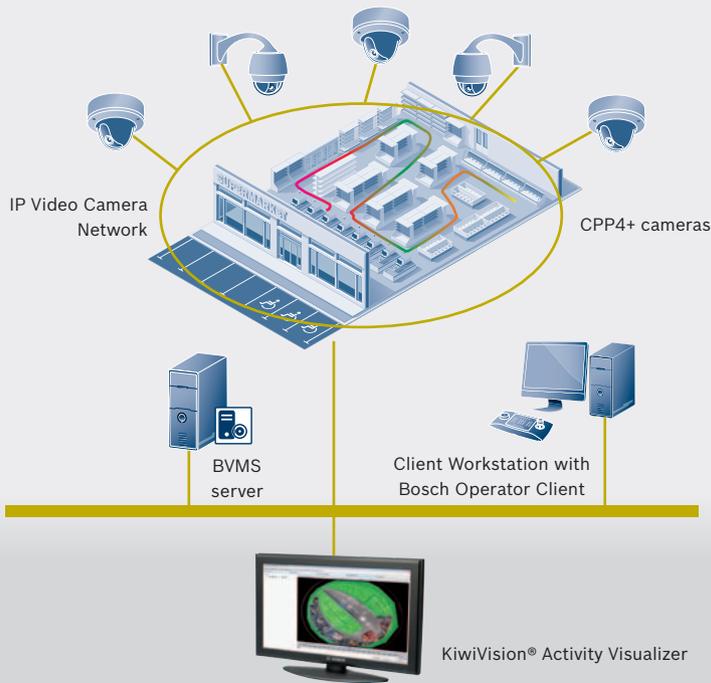


Integrated Security, Safety and Video Management Solution

Bosch Security Systems and KiwiSecurity



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Solution summary

- ▶ The Bosch Video Management System meets the KiwiVision® Activity Visualizer – a powerful solution to easily follow customer patterns
- ▶ Full utilization of the video surveillance infrastructure
- ▶ Security video surveillance on an analytical and statistical level for cost-saving side benefits
- ▶ Visualization of customer patterns via heat maps
- ▶ Protect your assets and improve your store performance
- ▶ Increase average spending of your customers by optimizing product placement



The combination of Bosch cameras, the Bosch Video Management System (BVMS) and the KiwiVision® Activity Visualizer provides a powerful solution to easily follow customer patterns!

Cameras are an untapped source of information. They can monitor a retail environment 24/7, providing images which can be used to analyze how customers move through a sales and exhibition area. Based on this analysis, it is possible to generate a heat map displaying the amount of activity in a scene. This heat map allows a retailer or mall owner to analyze traffic "flows".

The same analysis can also be used to calculate the dwell time.

The dwell time is the time a person stays in a specific area.

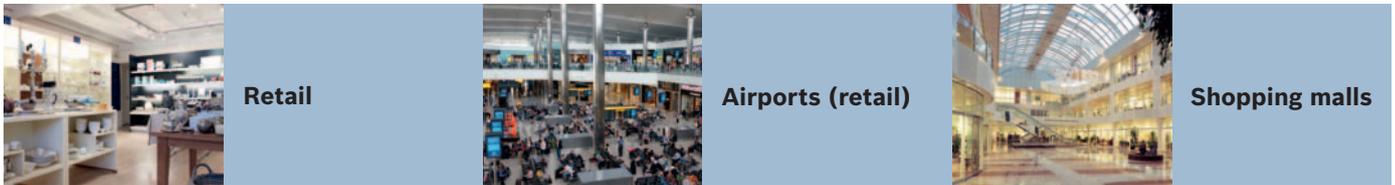
The heat map combined with the dwell time can be used to optimize product placement or adjust the physical layout of the available sales and exhibition areas. With this solution an unlimited amount of analysis areas can be defined and activity and/or dwelling-time can be evaluated and visualized for each one of them.

KiwiVision® Activity Visualizer meeting the Bosch Video Management System (BVMS) allows retailers or mall owners to fully utilize the security infrastructure – not only to protect their assets but also to improve their store performance.

Compatibility

KiwiSecurity	Bosch devices
KiwiVision® Activity Visualizer	Bosch Video Management System v5.0 and newer with the Video Streaming Gateway All CPP4+ cameras

Applications / Vertical Markets



Key features covered in the integrated solution

<p>Easily follow and visualize customer patterns</p>	<ul style="list-style-type: none"> ▶ by using security video surveillance on an analytical level with the combination of Bosch cameras, the Bosch Video Management System (BVMS) and the KiwiVision® Activity Visualizer for stream analysis and export processes ▶ via heat maps by real-time showing where attention of your customers goes or not
<p>Optimal use of available sales or exhibition areas</p>	<ul style="list-style-type: none"> ▶ by automatically generated statistics based on real-time visualization of the popularity of certain products, shopping paths or areas using parameters as activity, motion and dwell time
<p>Improve store performance and increase average customer spending</p>	<ul style="list-style-type: none"> ▶ by using the generated statistics to optimize product placement and to adjust the physical layout of available sales and exhibition areas

KiwiSecurity Highlights

KiwiVision® Activity Visualizer connects to camera

KiwiVision® Activity Visualizer analyzes video-stream

KiwiVision® Activity Visualizer provides a Real-Time Streaming Protocol (RTSP) as an output which we can load into BVMS using Video Streaming Gateway

KiwiSecurity is the leading developer of video analytics and video control solutions, transforming video surveillance into a pro-active tool, ultimately automating video surveillance by extracting key information. KiwiSecurity's mission is to provide the most accurate detections while eliminating any false alert, utilizing world-class patented algorithms. KiwiSecurity's technology, addresses security, as well as business or traffic intelligence and can be integrated into any existing or new system (e.g. perimeter protection, traffic analysis, behavior analysis).

...**Key Information With Intelligence.**

For more information, visit www.kiwisecurity.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 www.ipp.boschsecurity.com for details on the Bosch Integration Partner Program