



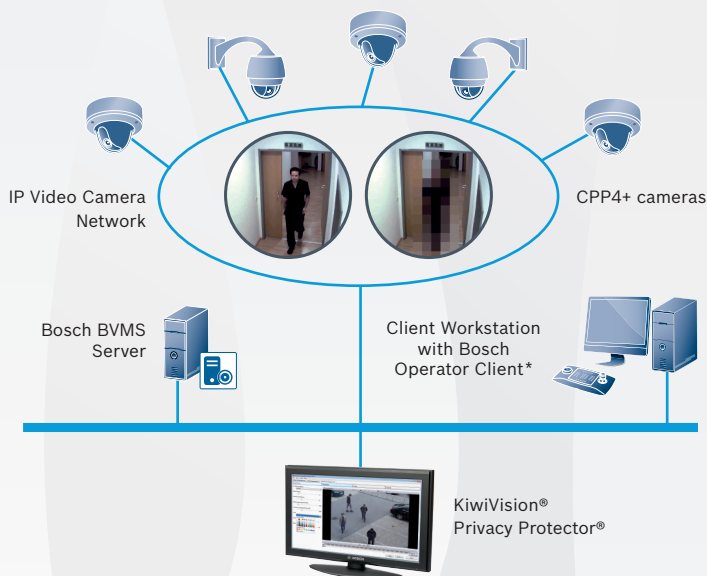
BOSCH

Invented for life

Integrated Security, Safety and Video Management Solution

Privacy Masking

Bosch Security and Safety Systems and KiwiSecurity



- ▶ Original video can be encrypted and recorded in the background
- ▶ Makes video surveillance compliant with European data protection laws
- ▶ Ideal pixelization type and block size can be chosen
- ▶ Different access rights between operators
- ▶ Pixelized stream accessible from BVMS. Decrypting the non-pixelized stream only available from KiwiVision® Privacy Protector® user interface and requires access rights



Combining Bosch cameras, the Bosch Video Management System (BVMS), and the KiwiVision® Privacy Protector® all objects are automatically veiled in surveillance videos in real-time.

In the last couple of years privacy has become a hot topic. These concerns also extend to the realm of video surveillance. Video surveillance cameras are able to capture a huge amount of information, and are even able to recognize people and connect visual information to information stored in databases. Due to the improvements in computer vision related technologies, moving objects, or even persons, can be reliably detected. This detection can also be used to ensure that persons cannot be recognized by operators. As a result, actions remain recognizable and unnecessary intrusion into personal privacy is prevented without compromising security.

Compatibility

KiwiSecurity	Bosch devices
KiwiVision® Privacy Protector®	<ul style="list-style-type: none"> • BVMS v4.5 or newer • Video Streaming Gateway • All CPP4 cameras and higher versions

Applications / Vertical Markets



Public video surveillance
(e.g. schools, universities)



Businesses with semi-public areas
(e.g. shopping malls)



Companies and businesses

Key features covered with Bosch & KiwiSecurity

BVMS SDK (virtual inputs) & additional data and logbook

Metadata generated by the KiwiVision® Privacy Protector® can be sent to the BVMS logbook and recorded as metadata next to the video stream.

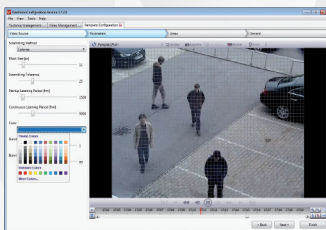
Video Streaming Gateway

VSG is used to import the stream coming out of the KiwiVision® Privacy Protector® into BVMS for recording and live viewing.

Bosch cameras

Used to feed the video stream into the KiwiVision® Privacy Protector®.

KiwiVision® Privacy Protector® Highlights



The KiwiVision® Privacy Protector® automatically obscures all persons in surveillance videos in real-time through pixelization.

Nevertheless, movement and actions remain recognizable. The unnecessary intrusion into personal privacy is prevented without compromising the level of security.



Original image

Average colour, large blocks

Average colour, small blocks



Colour overlay

Blurred

Colour with contrast

The Bosch division Security and Safety 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 and Safety 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

KiwiSecurity is the leading developer of video analytics and video control solutions, transforming video surveillance into a proactive 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).

KiwiSecurity's unique, patented product "KiwiVision Privacy Protector®" makes video surveillance compliant with privacy regulations and is certified with the „European Privacy Seal“.

...Key Information **W**ith Intelligence.