

# Professional Series Intrusion Detectors

Know when to alarm.

Know when not to.



## BOSCH

Invented for life



Now Featuring  
Multi-Point  
Anti-Mask  
with Spray Detect



▶ MOTION DETECTED  
▶ 4.57 METERS  
▶ NO ALARM



▶ MOTION DETECTED  
▶ 2.08 METERS  
▶ NO ALARM



▶ MOTION DETECTED  
▶ 1.85 METERS  
▶ ALARM

# Revolutionary Sensor Data Fusion Technology

While other motion detectors merely react to input from one or two sensors with a simple yes or no decision, Bosch Professional Series Detectors actually integrate and process data from up to five different sensors to make the most accurate alarm decisions ever.



DOPPLER  
MICROWAVE  
DATA



LIGHT DATA

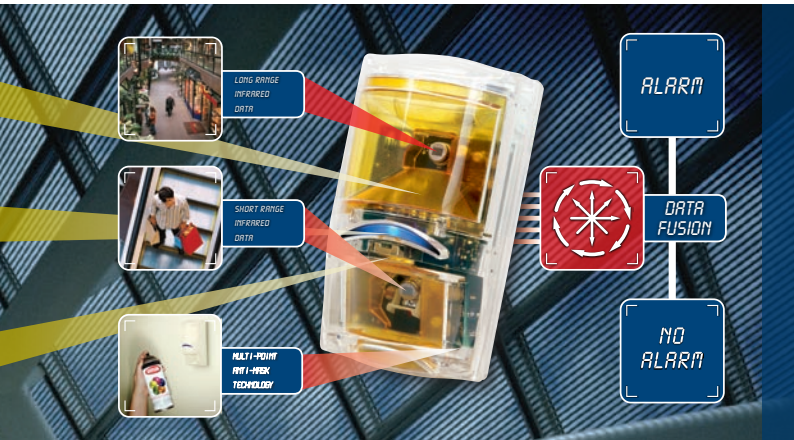


ROOM  
TEMPERATURE  
DATA

## Traditional Motion Detectors

<b>Alarm Decisions</b>	Have only 1 or 2 internal sensors; signals are processed and decisions are less accurate.
<b>False Alarm Immunity</b>	Use filters and films to degrade the same light signals used for decisions, reducing catch performance.
<b>Application Range</b>	Have only 1 or 2 lenses or mirrors and use long-range sensor technology for detection, making them prone to false alarms.
<b>Small Animal Immunity</b>	Do not measure distance to target; unable to distinguish between a target up close and a larger target at a distance, leading to false alarms.
<b>Consistent Coverage</b>	Require lens and mirror adjustment when detector height is changed, leading to room for human error and inconsistent coverage.
<b>Anti-Mask</b>	Use simple active infrared anti-mask technologies.

# Technology creates a breakthrough in inte



## Bosch Innovation

independently and	<b>Sensor Data Fusion</b>	Only Bosch balances and adjusts s most intelligent alarm decisions. T false alarms.
used for alarm	<b>Active White Light Suppression</b>	Only Bosch eliminates false alarms we are able to exclude such traditi
sensors for short-range	<b>Tri-Focus Optics</b>	Only Bosch uses three separate se This means that intruders stand ou  Only Bosch has a simple dipswitch making each detector extremely ve
h between a small g to false alarms.	<b>Tri-Focus Optics</b>	Only Bosch measures range to targ alarms from small animals and inse
ht is changed, leaving	<b>Tri-Focus Optics</b>	Only Bosch provides consistent co adjustment required.
	<b>Multi-Point Anti-Mask Technology</b>	Only Bosch employs Multi-Point An prism lenses and active infrared de technology complies with all of the

# Intelligent alarm decisions



## Benefit of Proprietary Bosch Technology

Sensitivities of up to 5 internal sensors and fuses the data to make the world's most accurate. This results in a 35% improvement in catch performance, while virtually eliminating

alarms due to white light such as car headlights. By incorporating a white light sensor, it filters out all non-alarm sources.

Advanced optics and two dedicated detectors for long, mid and short range coverage. The sensors see more clearly from the background and are more easily and accurately caught.

Adjustable coverage that allows installers to adjust PIR coverage range from 50 to 25 feet (15m to 8m), making it versatile to reduce inventory.

Targeted detection that can distinguish from a fly at 1 foot and a person at 50 feet, reducing false alarms and events.

Uniform coverage across entire coverage area, even when height is changed. No lens

Anti-Mask Technology with Integrated Spray Detection that utilizes patented spray detection to provide industry-leading resistance to all known forms of attack. This technology meets the latest international regulatory standards.



### **Multi-Point Anti-Mask Technology**

The Professional Series ISC-PPR1-WA16 and ISC-PDL1-WA18 detectors offer anti-mask technology that is compliant with all of the latest international regulatory standards for detection of objects covering or placed in front of the detector. Using patented prism lenses and active infrared detection, the detector offers protection from all known forms of attack, including fabric, paper, metal, plastic, tape and spray.

## **Bosch Security Systems**

For more information please visit  
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