OUR SENSOR ADVANTAGE

Smarter detection. Fewer false alarms.
Faster installation time.

Product overview | Europe, Middle-East, Africa | July 2026



BOSCH

represented by radionix

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MOTION DETECTORS

Whether you're securing a small business, large commercial property or high-security facility, you need reliable motion detectors that offer instant responses to intruders. We have a long history of patented, award winning performance in the field of intrusion alarm solutions. Our products are extremely reliable providing **best-in-class catch performance**, while virtually **eliminating false alarms**. In addition our motion detectors are **easy to install** and **built to last** reducing installation and maintenance costs.

The more critical the application, the more sensitivity and coverage you need from your motion detector. For maximum flexibility, we offer a choice of PIR and TriTech motion detectors that suit different application requirements.

TriTech raises the bar for performance and reliability
TriTech detectors use a combination of PIR and microwave Doppler radar detection technologies with advanced signal processing. This advanced signal processing algorithm, intelligently analyzes motion for an almost instant response to intruders while knowing when to ignore false alarm triggers under a variety of environmental conditions.

Environment		PIR	TriTech
Standard	Small animals (e.g. rodents)	•	•
	Pets	•	•
Difficult	Strong drafts (cold, warm)	–	•
	Moving objects (e.g. hanging signs, ceiling fan, curtains)	–	•
	High risk (e.g. jewelry, bank)	–	•
	Bright white light (e.g. car headlights, direct sunlight)	–	•
	Room temperatures exceeding 30° C	–	•

• Applicable – Not applicable



Made in Europe
Our motion detectors are being produced and assembled in the high-performance manufacturing plant from Keenfinity in Ovar, Portugal.

RELIABLE DETECTION IN THE REAL WORLD

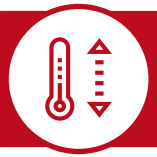
Excellent Catch Performance:



Wall-to-wall coverage
High-quality optics provide dense, gap-free coverage across the protected space.



Instant response from the first step
First Step Processing helps detect movement immediately while reducing false triggers from non-threat sources.

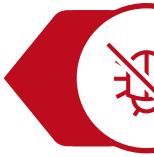


Detect a person at virtually any temperature
Dynamic temperature compensation adjusts sensitivity as room conditions change, helping maintain reliable detection.



Detect intruders who are trying to cover their body heat
Cloak and Camouflage Detection Technology helps identify intruders attempting to mask their infrared signature.

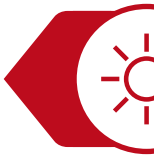
Highest Level of False Alarm Immunity:



Sealed optical chamber
Protected optics and electronics reduce installation damage and prevent false alarms from drafts and insects.



Adjusts to background disturbances*
Adaptive microwave processing distinguishes human movement from background activity like HVAC, and fans.



White light immunity
A dedicated white light sensor helps reduce false alarms caused by bright light sources.



Optimizes installation for pet or non-pet applications**
Selectable pet immunity differentiates human movement from approved pet activity.

*Only available in TriTech detectors ** Only available in Pet Friendly detectors

EASY TO INSTALL

All motion detectors are designed with unique features to speed up the installation. These features also reduce installer errors that can lead to false alarms or missed detection, thus reducing service calls.

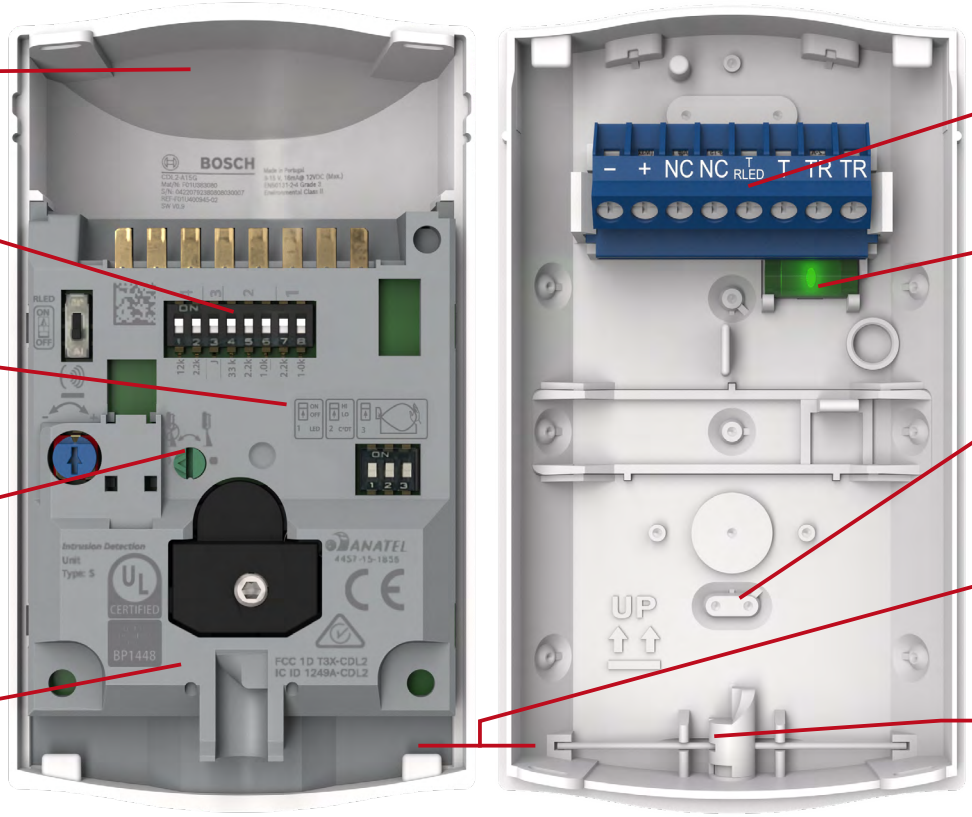
Enough space for cabling and resistors

Easy EOL resistor selection with dip switches

Instructions directly on the detector for easy configuration

Look-down zone can be enabled / disabled with a simple turn of a screwdriver

Optics and electronics sealed behind a protective cover prevents damage during installation



Removable, terminal block with a 45 lift-gate for easy access to the terminals

Integrated bubble level for accurate placement

Flexible mounting height eliminates the need for onsite adjustments

Unique 2-piece design: no loose parts and no need to remove PCB to mount the detector

Self - locking mechanism, no screw or tool needed

* This visual shows a CDL2-A15G

Blue Line Series | Small commercial

	PIR	Pet Friendly PIR	Quad PIR	TriTech	Pet Friendly TriTech
Commercial type number (CTN)	ISC-BPR2-W12	ISC-BPR2-WP12	ISC-BPQ2-W12	ISC-BDL2-W12G ISC-BDL2-W12HE (FR, UK)	ISC-BDL2-WP12G ISC-BDL2-WP12HE (FR, UK)
					
Application risk level	Low to moderate risk	Low to moderate risk	Moderate risk	Moderate risk	Moderate risk
Environment	Standard	Standard	Standard	Difficult*	Difficult*
Coverage/range	12 x 12 m	12 x 12 m	12 x 12 m	12 x 12 m	12 x 12 m
Mounting height	2.2 to 2.75 m	2.2 to 2.75 m	2.2 to 2.75 m	2.2 to 2.75 m	2.2 to 2.75 m
Operating temperature	-20° to 55° C	-20° to 55° C	-20° to 55° C	-20° to 55° C	-20° to 55° C
Operating voltage	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC
Current draw (typical)	10 mA	10 mA	10 mA	10 mA	10 mA
First step processing	•	•	•	•	•
Microwave noise adaptive processing	–	–	–	•	•
Dynamic temperature compensation	•	•	•	•	•
Wall-to-wall coverage	•	•	•	•	•
Look-down zone	•	•	•	•	•
Pet/small animal immunity	4.5 kg	20 kg	4.5 kg	4.5 kg	45 kg
RFI immunity	up to 6 GHz	up to 6 GHz	up to 6 GHz	up to 6 GHz	up to 6 GHz
Alarm output	NC	NC	NC	NC	NC
Alarm memory	–	–	–	–	–
Active white light supression	–	–	–	–	–
Tamper	Cover	Cover	Cover	Cover	Cover
Sealed optical chamber	•	•	•	•	•
Cloak and Camouflage Detection Technology (C^2DT)	–	–	–	–	–
No-adjust installation	•	•	•	•	•
Enable/disable LED	•	•	•	•	•
Enable/disable pet immunity	–	•	–	–	•
Enable/disable look-down	•	•	•	•	•
Environmental rating	IP30	IP30	IP30	IP30	IP30
Certifications	AFNOR, CSP, CE, EN50131-2-2 Grade 2, INCERT, UL	AFNOR, CSP, CE, EN50131-2-2 Grade 2, INCERT, UL	AFNOR, CSP, CE, EN50131-2-2 Grade 2, INCERT, UL	AFNOR, CSP, CE, EN50131-2-4 Grade 2, FCC, IC, UL	AFNOR, CSP, CE, EN50131-2-4 Grade 2, FCC, IC, UL
Warranty	5 years	5 years	5 years	8 years	8 years

• Available – Not available *See page 15 for the technical notes

Commercial Series | High risk commercial applications

	TriTech	TriTech anti-mask
Commercial type number (CTN)	CDL2-15G CDL2-15H (FR, UK)	CDL2-A15G CDL2-A15H (FR, UK)
MEMS sensor inside		
Application risk level	Moderate risk	High risk
Environment	Difficult*	Difficult*
Coverage/range	15 x 15 m	15 x 15 m
Mounting height	2.2 to 2.75 m	2.2 to 2.75 m
Operating temperature	-20° to 55° C	-20° to 55° C
Operating voltage	9 to 15 VDC	9 to 15 VDC
Current draw (typical)	15 mA	15 mA
First step processing	•	•
Microwave noise adaptive processing	•	•
Active white light suppression	•	•
Dynamic temperature compensation	•	•
Look-down zone	•	•
Pet/small animal immunity	4.5 kg	4.5 kg
RFI immunity	Up to 6 GHz	Up to 6 GHz
Alarm output	NC	NC
Alarm memory	•	•
Anti-mask	–	•
Intelligent tamper detection	Cover	Cover + wall
Sealed optical chamber	•	•
Cloak and Camouflage Detection Technology (C^2DT)	•	•
No-adjust installation	•	•
Enable/disable look-down	•	•
Enable/disable LED	•	•
Microwave Doppler range adjustment	•	•
Environmental rating	IP41	IP41
Certifications	AFNOR, CSP, CE, EN50131-2-4 Grade 2, UL	AFNOR, CSP, CE, EN50131-2-4 Grade 3, UL
Warranty	8 years	8 years

• Available – Not available *See page 15 for the technical notes

Professional Series | Large commercial applications

	PIR
Commercial type number (CTN)	ISC-PPR1-W16
	
Application risk level	Moderate risk
Environment	Standard
Coverage/range	18 x 25 m / 8 x 10 m selectable
Mounting height	2.1 to 3 m
Operating temperature	-29° to 55° C
Operating voltage	9 to 15 VDC
Current draw (typical)	10 mA
First step processing	•
Sensor Data Fusion	•
Active white light supression	•
Dynamic temperature compensation	•
Look-down zone	•
Pet/small animal immunity	4.5 kg
Alarm output	NC
Alarm memory	•
Anti-mask	–
Tamper	Cover + wall
Sealed optical chamber	•
Cloak and Camouflage Detection Technology (C^2DT)	•
No-adjust installation	•
Enable/disable LED	•
Enable/disable look-down	•
Long/short select range	•
Remote walk test	•
Environmental rating	IP41
Certifications	AFNOR, CSP, CE, EN50131-2-2 Grade 2, FCC, IC, INCERT, UL
Warranty	5 years

• Available – Not available

Ceiling mount

	PIR	PIR	TriTech**
Commercial type number (CTN)	DS936 (white) / DS936B** (black)	DS939	DS9370E (white) / DS9371E (black)
			
Application risk level	Low to moderate risk	Moderate risk	Moderate risk
Environment	Standard	Standard	Difficult*
Optics	Fresnel	Triple 35-zone Fresnel	Triple 35-zone Fresnel
Coverage/range	7m x 360°	14m x 360°	14m x 360°
Mounting height	2 to 3.6m	2.4 to 6.1 m	2.4 to 6.1 m
Operating temperature	-29° to 49° C	-29° to 49° C	-10° to 55°C (CE); 5° to 40° C (FR)
Operating voltage	10 to 15 VDC	9 to 15 VDC	9 to 15 VDC
Current draw (typical)	20 mA	12 mA	12 mA
First Step Processing	–	•	•
Dynamic temperature compensation	–	•	•
Pattern masking	•	•	•
Alarm output	NC	NC/NO	NC/NO
Alarm memory	–	•	•
Tamper	Cover	Cover + wall	Cover + wall
Sealed optical chamber (insect/dust)	•	•	•
Switchable coverage patterns	–	•	•
Enable/disable LED	•	•	•
PIR sensitivity adjustment	•	•	•
Flexible mounting height	•	•	•
Remote walk test	–	•	•
Environmental rating	IP30	IP40	IP40
Certifications	CE, UL	CSP, CE, UL, FCC, EN50131-2-2 Grade 2, INCERT, AFNOR	CSP, CE, UL, FCC, EN50131-2-2 Grade 2, INCERT, AFNOR
Warranty	5 years	5 years	8 years

• Available – Not available *See page 15 for the technical notes ** Not available in FR, UK

Long range

	PIR
Commercial type number (CTN)	DS794Z
	
Application type	Large commercial
Application risk level	Moderate risk
Environment	Standard
Coverage/range	61 m x 3 m / 37 m x 8 m / 24 m x 16 m
Mounting height	2.3 to 5 m
Operating temperature	-29°C to 49°C
Operating voltage	6 to 15 VDC
Current draw (typical)	18 mA
Environmental class	II (EN50130-5)
Motion Analyzer II signal processing	•
Motion monitor	•
PIR Supervision	•
Self-test supervision systems	•
LED	•
Alarm output NC/NO	•
Cover tamper	•
Sealed optical chamber (insect/dust)	–
Switchable coverage patterns	•
Mounting location	Wall (surface or corner)
Optics	Interchangeable mirror
Installation accessories	Mirror (OA120-2), Test Cord (TC6000)
Certifications	CSP, CE, UL
Warranty	5 years

• Available – Not available

Outdoor

	Outdoor TriTech**
Commercial type number (CTN)	OD850-F1E
	
Application risk level	Moderate risk
Environment	Outdoor
Coverage/range	15 x 15 m
Mounting height	2.1 to 2.7m
Operating temperature	-35° to 54° C
Operating voltage	10 to 15 VDC
Current draw (typical)	62 mA
Environmental class	IP54
Motion Analyzer II PIR signal processing	•
Linear travel distance (LTD) microwave signal processing	•
Look-down zone	•
Pet/small animal immunity	4.5 kg
Alarm output	–
Alarm memory	–
Anti-mask	–
Tamper	Cover
Sealed optical chamber	•
Cloak and Camouflage Detection Technology (C^2DT)	–
No-adjust installation	Flexible mounting height
Enable/disable look-down	•
Enable/disable LED	•
Microwave Doppler range adjustment	•
Certifications	CSP, CE, FCC, IC, UL
Warranty	8 years

• Available – Not available ** Not available in FR, UK

Seismic/Shock

	Standard Seismic	High-performance Seismic	Shock
Commercial type number (CTN)	ISN-SM-50 	ISN-SM-80 	ISC-SK10  
Type	Mechanical, explosive, thermal, water attack detection	Mechanical, explosive, thermal, water attack detection	Mechanical Attack Detection
Application type	Small to large commercial	Small to large commercial	Residental to large commercial
Application risk level	High risk	High risk	Low to moderate risk
Environment	Vault walls and doors, safes, ATMs, strong rooms	Vault walls and doors, safes, ATMs, strong rooms	ATMs, vending machines
Coverage/range	50 m^2	80 m^2	1.5 to 3.5 m radius
Operating temperature	-40° to 70° C	-40° to 70° C	-10° to 55° C
Operating voltage	8 to 16 VDC	8 to 16 VDC	9 to 15 VDC
Current draw (typical)	3 mA	3 mA	8.5 mA
Environmental rating	IP43	IP43	IP43
Anti-drilling shield	•	•	–
Temperature supervision	•	•	–
Voltage monitoring	•	•	–
Automatic self test	•	•	–
Local event memory	–	•	–
Alarm output	NC solid state relays	NC solid state relays	NC solid state relays
LED	–	–	Green, red
Tamper	Cover + wall	Cover + wall	Cover
Intelligent installation mode	–	–	•
Mounting and function test	•	•	•
Sensitivity adjustment	•	•	•
Mounting location	Steel, concrete	Steel, concrete	Any
Installation accessories	Anti-drill foil (ISN-GMX-D7), Floor socket (ISN-GMX-B0), Mounting plate (ISN-GMX-P0), Swivel plate (ISN-GMX-P3S), Test transmitter (ISN-GMX-S1), Wall mounting kit (ISN-GMX-W0)	Anti-drill foil (ISN-GMX-D7), Floor socket (ISN-GMX-B0), Mounting plate (ISN-GMX-P0), Test transmitter (ISN-GMX-S1), Wall mounting kit (ISN-GMX-W0)	–
Software options	ISN-SMS-W7 SensTool PC Software	ISN-SMS-W7 SensTool PC Software	–
Certifications	CSP, CE, NCP, VdS, UL	CSP, CE, NCP, VdS, UL	CE
Warranty	3 years	3 years	3 years

• Available – Not available

Glass Break

	Standard	Standard	Standard
Commercial type number (CTN)	DS1101i	DS1102i	DS1103i
			
Application type	Residential to large commercial	Residential to large commercial	Residential to large commercial
Application risk level	Low to moderate risk	Low to moderate risk	Low to moderate risk
Environment	Standard	Standard	Standard
Coverage/range	7.6 m diameter	7.6 m diameter	7.6 m diameter
Operating temperature	-29° to 49° C	-29° to 49° C	-29° to 49° C
Operating voltage	6 to 15 VDC	6 to 15 VDC	9 to 15 VDC
Current draw (typical)	23 mA	23 mA	21 mA
Sound Analysis Technology (SAT) processing	NC/NO	NC/NO	NC
Alarm output	•	•	•
Tamper	•	•	–
Mounting location	Wall, ceiling	Wall, ceiling	Wall, ceiling (flush)
Installation accessories	Glass Break Tester (DS1110i)	Glass Break Tester (DS1110i)	Glass Break Tester (DS1110i)
Certifications	CE, CSP, UL, ULC	CE, CSP, UL, ULC	CSP, CE, UL
Warranty	3 years	3 years	3 years

• Available – Not available

Door and window contacts | Surface mount

Commercial type number (CTN)	ISN-CSM20-WGW	ISN-CSM35-W	ISN-CMET-200AR	ISN-CMET-4418	ISN-C66	ISN-C60-W
						
Contact type	Commercial wide gap contacts	Standard and wide gap contacts	Commercial metal contact	Overhead door contact	Track mounted overhead door contact	Slim Terminal Connection Contacts
Contact dimensions	16 x 105 x 16 mm	63 x 18.6 x 13 mm	9.5 x 16 x 50.8 mm	107 x 50.8 x 12 mm	76.2 x 66 x 45.8 mm	6.35 x 9.5 x 50.8 mm
Operating temperature range	-40 to 60 °C	-40 to 60 °C	-40 to 60 °C	-40 to 60 °C	-40 to 60 °C	-40 to 60 °C
Certifications	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL
Package quantity	1	10	1	1	1	10

Commercial type number (CTN)	ISN-C45-W	ISC-RSC2-S / ISC-RSC3-S	ISC-PMC-S2S	4998133929 / 4998133931	ISC-PMC-SF2S / ISC-PMC-S3S
					
Contact type	Miniature Super Stick Contacts	Shutter door contact	Conventional magnetic contacts	Conventional magnetic contacts	Conventional magnetic contacts
Contact dimensions	4.8 x 27 x 6.35 mm	6.5 x 4.2 x 3.5 cm	5.9 x 1.2 x 1.7 cm	4.3 x 1.2 x 1.2 cm	4.3 x 1.2 x 1.2 cm
Operating temperature range	-40 to 60 °C	-40 to 70 °C	-25 to 70 °C	-25 to 70 °C	-25 to 70 °C
Certifications	CE, UL	VdS, CE, EN50131-2-6 Grade 2 / Grade 3	FK, CE, EN50131-2-6 Grade 2	VdS class B / class C, CE	FK, VdS, CE, EN50131-2-6 Grade 2 / Grade 3
Package quantity	10	1	1	1	1

Door and window contacts | Recessed mount

Commercial type number (CTN)	ISN-CSD70-W	ISN-CTC75-W	4998133928 / 4998133930	ISC-PMC-F3S	ISN-CMINI-10DW
					
Contact type	Compact contacts	Terminal Connection Contacts 19 mm	Conventional magnetic contacts	Conventional magnetic contacts	Miniature contacts 9.5 mm
Contact dimensions	19 x 20.3 mm	19 x 30 mm	0.8 x 3 cm	0.8 x 3 cm	0.95 x 1.55 mm
Operating temperature range	7.2 to -95.56 °C	7.2 to -95.56 °C	-25 to 70 °C	-25 to 70 °C	-40 to 60 °C
Certifications	CE, UL	CE, UL	VdS class B / class C, CE	VdS, CE, EN50131-2-6 Grade 3	CE, UL
Package quantity	10	10	1	1	10

Request-to-Exit

	Standard PIR		High-performance PIR	
Commercial type number (CTN)	DS150i	DS151i	DS160	DS161
				
Application type	Small to large commercial	Small to large commercial	Small to large commercial	Small to large commercial
Application risk level	Low to moderate risk	Low to moderate risk	Moderate to high risk	Moderate to high risk
Environment	Standard	Standard	Standard	Standard
Coverage/range	2.4 x 3 m	2.4 x 3 m	2.4 x 3 m	2.4 x 3 m
Mounting height	2.1 to 4.6 m (7 ft to 15 ft)	2.1 to 4.6 m (7 to 15 ft)	2.3 to 4.6 m (7.5 to 15 ft)	2.3 to 4.6 m (7.5 to 15 ft)
Operating temperature	-29° to 49° C	-29° to 49° C	-29° to 49° C	-29° to 49° C
Operating voltage	12 VAC or VDC; 24 VAC or VDC	12 VAC or VDC; 24 VAC or VDC	12 VAC or VDC; 30 VAC or VDC	12 VAC or VDC; 30 VAC or VDC
Current draw (typical)	26 mA nominal	26 mA nominal	8 mA nominal	8 mA nominal
Door monitor with sounder	–	–	•	•
Keycard reader input	–	–	•	•
Sequential logic input	–	–	•	•
Relay fail-safe/fail-secure	•	•	•	•
Relay settable select	•	•	•	•
Relay latch time adjustment	0.25 to 60 seconds	0.25 to 60 seconds	0.5 to 64 seconds	0.5 to 64 seconds
Pattern masking	•	•	•	•
Alarm output/memory	–/•	–/•	–/•	–/•
Tamper	–	–	•	•
Pointable optics	Vertical adjustment	Vertical adjustment	Vertical adjustment	Vertical adjustment
Switchable relay mode	•	•	•	•
Switchable timer reset mode	•	•	•	•
Adjustable sounder volume	–	–	•	•
PIR sensitivity adjustment	•	•	•	•
Enable/disable LED	–	–	•	•
Flexible mounting height	•	•	•	•
Certifications	UL, CE	UL, CE	UL, CE	UL, CE
Warranty	5 years	5 years	5 years	5 years

• Available – Not available



BUILT TO LAST

With decades of experience and a great dedication to high-quality solutions, we offer products that are engineered to meet or exceed the most stringent environmental and handling requirements. With an average of 100 years between failures, it's no understatement to say that our high-quality optics and electronics are built to last.

Warranty
We provide a standard 3 to 5 year manufacturer warranty on our intrusion detectors, even going up to 8 years on our TriTech motion detectors in the EMEA region. This stands as proof of our commitment to not only comply with regulations, but also meet the highest quality and reliability standards.

Technical notes
* Difficult environments include rooms with potential false alarm sources, such as: air conditioning vents, strong drafts of cold or warm air, slow moving objects such as curtains, plants, or signs hanging from the ceiling, a fan that could be running when the system is activated, under floor heating, room temperatures exceeding 30° C, a detector that could be exposed to bright white light (car headlights, floodlights, direct sunlight, etc.)

Please note: Devices listed are not available in every region.
Please check with your local sales representative for availability.

MISSION CONTROL, FOR YOUR SECURITY.

Radionix represents Bosch intrusion alarm worldwide. Our product portfolio features advanced intrusion systems with reliable motion detectors. Radionix, a part of KEENFINITY Group, builds on trusted technology to deliver mission control for your security. Security that's more than a system. It's a mission that never rests.

Learn more about us
Access our website for more product knowledge to support your installation.
www.radionix.com

Contact us
If you would like to find out more, or want to know how we can help you with your intrusion alarm needs, please do not hesitate to contact us.
Scan the QR code to find the right contact for your region.

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