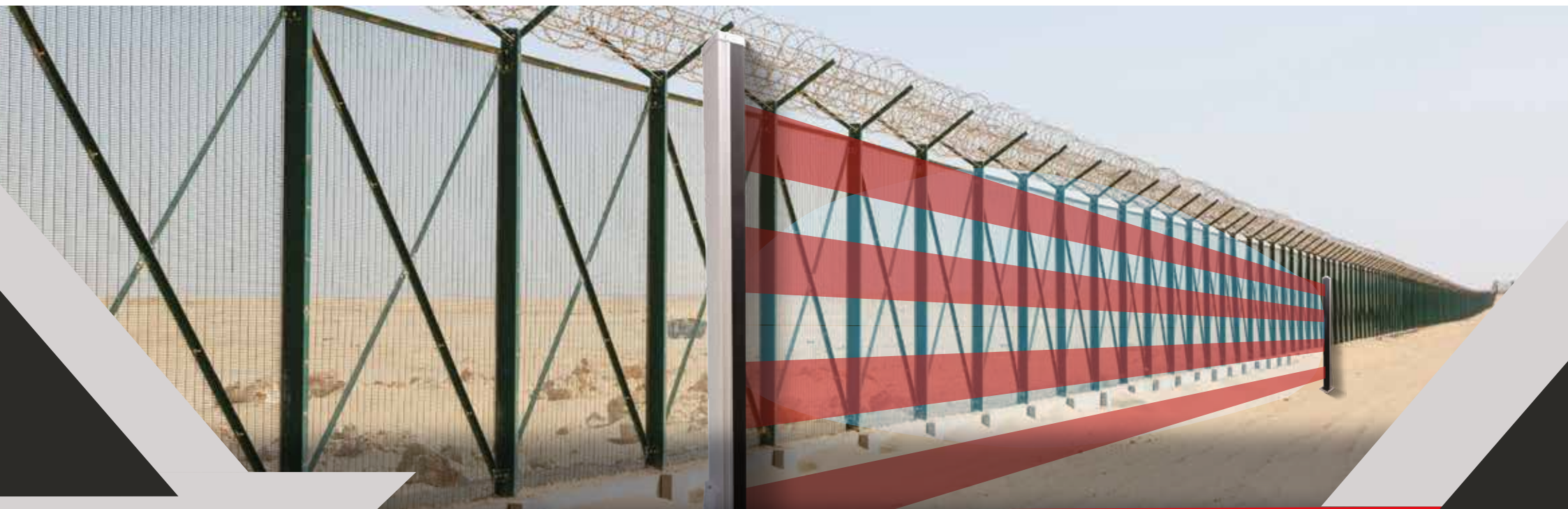


SICURIT

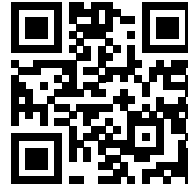
PERIMETER PROTECTION SYSTEMS



PIDS CATALOGUE

Italian PIDS Technology





SICURIT
PERIMETER PROTECTION SYSTEMS

SICURIT

ALONGSIDE SECURITY PROFESSIONALS FOR OVER



Milan HQ offices

A HISTORY OF 54 YEARS EXPERIENCE

SICURIT Alarmitalia SpA, a leader in the security, video surveillance and fire safety sectors. Founded in 1971, the company has contributed significantly to the growth of the security market in Italy, supporting security professionals, offering a wide range of innovative products and solutions.



Production Colico

R&D DEPARTMENT

In **SICURIT** the development of new products is entrusted to a team of design engineers for continuous and proactive development. Our main goal is to provide the security sector with the latest and most advanced technologies that guarantee high performance and integration into existing or new security applications.



Production department

SICURIT PPS: PERIMETER PROTECTION SYSTEMS

SICURIT Perimeter Protection Systems, a dedicated division of SICURIT Alarmitalia SpA, produces and distributes security systems. The company is a recognized leader in the Italian market and since 2000 has exported its outdoor perimeter protection systems to over 25 countries.



Transportations

Airports, Seaports, Train Depots, Warehouses

Government

Borders, Correctional facilities,
Sensitive Buildings, Water Supply



Energy

Power Generation & Distribution Plants
Wind and Solar Farms



Defence

Military and Navy bases, Air Force, Army
Defence Logistics Agency, Marine Corps



Oil&Gas

Extraction plants
Refineries and LNG terminals



Critical Assets

Data Center, Petrochemical, Telecom



AVANTGARDE-IR is a high security active Infrared Barrier enclosed in two tamper protected extruded aluminium towers equipped with Sicurit last generation of digital patented **Bi-directional Infrared Technology** with range up to 200m purposely designed for the protection of Critical Infrastructures (Avantgarde meets Environmental Class IV, Grade 4 - Risk HIGH according to EN 50131).



KEY BENEFITS

- Linear detection with range up to 200m (150m in dense fog environments)
- Bi-directional Infrared technology completely immune to sunlight and car headlights
- End-to-end integration with SMS and purpose designed Gateway for integration with VMS
- Distributed Intelligence for unparalleled target discrimination (5DS)
- 12/24V, 230V or PoE+
- IP65 rating for water and dust resistance and temperature range up to -40°/+70°C
- Tested and Certified Grade 4 and Environmental Class IV (according to EN 50131)





AVANTGARDE-IR

IP Infrared Barrier (200m)

IP ACTIVE BARRIERS



	AVANTGARDE IR 200/1.0	AVANTGARDE IR 200/1.5	AVANTGARDE IR 200/2.0	AVANTGARDE IR 200/2.5	AVANTGARDE IR 200/3.0
Detection technology IR Frequency	Bi-directional infrared 940nm				
Range	200m (150m in dense fog)				
Towers height Numbers of IR beams	1.0m 2 (max 2)	1.5m 3 (max 4)	2.0m 3 (max 5)	2.5m 4 (max 7)	3,0m 5 (max 8)
Alarm response time Probability of detection	25ms-5000ms 99%				
Alarms	Intrusion, Tamper, Fault, SEA, Scenarios, others				
Communication Third party integration	TCP-IP / Modbus A-Bridge / API available				
Power supply Operating temperature	12VDC/24VAC @ -25°C (-40°C with IMRESC)...+70°C PoE+ @ -10°C...+70°C				
Product classification	Security Grade 4 - Environmental Class IV (EN 50131)				
Accessories	See accessories				
P/N	IMTIR200/1.0	IMTIR200/1.5	IMTIR200/2.0	IMTIR200/2.5	IMTIR200/3.0

AVANTGARDE IR ACCESSORIES



Description	Installation kit for Avantgarde IR	Base for ground-mounting (hosts 1x tower)	Base Back-to-Back for ground-mounting (hosts 2x towers)	Reinforced support for BEC040 and BEC040DUAL	Power supply 230AC-12DC/24AC with battery control	PoE+ Splitter 13.6V/2A
Notes	Includes Software, IR filters, manuals	1 piece 280x280mm	1 piece 340x280mm	1 piece Only 2.5/3m towers	Battery support BEC032	Includes support for tower mounting
P/N	IM-PACK	BEC040	BEC040DUAL	BEC042	BEA1224ALIEX	IMTSPT1220BOX



Description	Anti-climbing top cover	3 side bracket for wall mounting applications	Additional IR beams 200m	Support for 12V-4.5Ah battery	PTC Heater with temperature sensor
Notes	1 piece	Maximum 1.5m tower height (1pcs)	Kit of 2 optics Master TX & Slave RX	1 piece	For temperatures up to -40°C
P/N	BEC205	BEC045	IMT242	BEC032	IMERESC



AVANTGARDE-MW is brand new IP Microwave active barrier to complete the IP based products family. Today Sicurit is able to fully respond to the requests of the most demanding markets, satisfying the growing demand for IP based products that allow remote accessibility for system maintenance and diagnostics, easy connections, flexibility and enhanced installation cost-effectiveness.

KEY BENEFITS

- Volumetric detection with range up to 200m
- IP & PoE
- 16 Crystal-Quartz Channels "random shuffle"
- All TX signals available from RX unit
- End-to-End IP based Sensor
- Complete remote control and diagnostic
- SEA and Temporary Obstruction Notification
- Integrated with major VMS
- Certified Grade 4





AVANTGARDE-MW

IP Microwave Barrier (50/120/200m)

NEW
PRODUCT

IP ACTIVE BARRIERS



**AVANTGARDE MW
50M / POE**



**AVANTGARDE MW
50M / 12V**

Detection technology MW Frequency	Microwave X-Band (10.525 GHz)			
Range	50m			
Fabrication	IP65 Housing			
Alarm response time Probability of detection	20ms-5000ms Greater than 99%			
Alarms	Intrusion, tamper, fault, power supply, no network, partner offline, obstacle, external alarm, SEA, others			
Communication Third party integration	TCP-IP / Modbus A-Bridge / API avaialble			
Power supply Operating temperature	PoE -35°C / +70°C		12VDC (110/230V power supply available) -35°C / +70°C	
Product classification	Security Grade 4 - Environmental Class IV (EN 50131)			
Accessories	See accessories			
P/N	IMTMW050PXD IMTMW050PXDS IMTMW050PXDB	PoE Grey PoE Sandy PoE Matte Black	IMTMW050XD IMTMW050XDS IMTMW050XDB	12V Grey 12V Sandy 12V Matte Black



**AVANTGARDE MW
120M / POE**



**AVANTGARDE MW
120M / 12V**

Detection technology MW Frequency	Microwave X-Band (10.525 GHz)			
Range	120m			
Fabrication	IP65 Housing			
Alarm response time Probability of detection	20ms-5000ms Greater than 99%			
Alarms	Intrusion, tamper, fault, power supply, no network, partner offline, obstacle, external alarm, SEA, others			
Communication Third party integration	TCP-IP / Modbus A-Bridge / API available			
Power supply Operating temperature	PoE -35°C / +70°C		12VDC (110/230V power supply available) -35°C / +70°C	
Product classification	Security Grade 4 - Environmental Class IV (EN 50131)			
Accessories	See accessories			
P/N	IMTMW120PXD IMTMW120PXDS IMTMW120PXDB	PoE Grey PoE Sandy PoE Matte Black	IMTMW120XD IMTMW120XDS IMTMW120XDB	12V Grey 12V Sandy 12V Matte Black

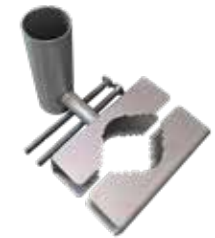


**AVANTGARDE MW
200M / POE**



**AVANTGARDE MW
200M / 12V**

Detection technology MW Frequency	Microwave X-Band (10.525 GHz)			
Range	200m			
Fabrication	IP65 Housing			
Alarm response time Probability of detection	20ms-5000ms Greater than 99%			
Alarms	Intrusion, tamper, fault, power supply, no network, partner offline, obstacle, external alarm, SEA, others			
Communication Third party integration	TCP-IP / Modbus A-Bridge / API avaialble			
Power supply Operating temperature	PoE -35°C / +70°C		12VDC (110/230V power supply available) -35°C / +70°C	
Product classification	Security Grade 4 - Environmental Class IV (EN 50131)			
Accessories	See accessories			
P/N	IMTMW200PXD IMTMW200PXDS IMTMW200PXDB	PoE Grey PoE Sandy PoE Matte Black	IMTMW200XD IMTMW200XDS IMTMW200XDB	12V Grey 12V Sandy 12V Matte Black



Description	Installation kit for Avantgarde MW	Wi-Fi Installation kit for Avantgarde MW	Set of telescopic poles & bases AISI304	Set of poles and bases	Bracket with jaw for pole mounting
Notes	Includes Software and manuals	Includes Wi-Fi module Software & manuals	2 pieces 210x210mm Ø 48mm AISI304 Adjustable from 750 to 1250mm	2 pieces 210x210mm Ø 48mm Grey painted Height 850mm	1 piece AISI304 Pole from Ø 30 to 110mm
P/N	IM-PACK	IMTMW-PACK-WIFI	MESDAVE07N4	MESDAVE07	MESDAVE06N4



Description	Power Supply 220V-12V (500mA)	Radar Motion Sensor Range 20m / 12Vdc 70°(H) x 30°(V)	Pole mounting bracket for Radar Motion Sensor MESSICMSK101	Bluetooth Kit for Radar Motion Sensor MESSICMSK101 configuration
Notes	1 piece, only for 12VDC model	12VDC	For poles diameter from 40 to 200mm	Works with mobile App
P/N	MESDAVEALI	MESSICMSK101	MESDAVE06N4RD	MESSICMSKBT



AVANTGARDE-DT is a high security active Dual Technology barrier enclosed in two tamper protected extruded aluminium towers equipped with last generation of digital patented bi-directional Infrared and active Microwave technology, all within one unit. Combination of the two technologies offers a very high level of security even under conditions of thick fog, heavy rain, strong snowfalls and sandstorms all of which tend to trigger false alarms or unreliable performance when only one technology is used.



KEY BENEFITS

- Linear detection (and volumetric pre-alarm) with range up to 150m
- Dual technology operation (IR+MW)
- Bi-directional Infrared technology completely immune to sunlight and car headlights
- X-Band (ref. ABSOLUTE PRO) according to country rules
- End-to-end integration with SMS and purpose-designed Gateway for integration with major VMS
- Distributed Intelligence for unparalleled target discrimination (5DS)
- 12/24V, 230V or PoE+
- IP65 rating for water and dust resistance and temperature range up to -40°/+70°C
- Tested and Certified Grade 4 and Environmental Class IV (according to EN 50131)





AVANTGARDE-DT

IP Dual Technology Barrier (150m)



**AVANTGARDE DT
150/2.0**

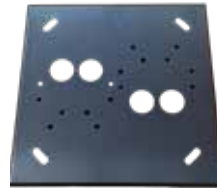


**AVANTGARDE DT
150/2.5**



**AVANTGARDE DT
150/3.0**

Detection technology IR / MW Frequency	Bi-directional infrared 940nm + Microwave X-Band (10.525 GHz)		
Range	150m		
Towers height	2.0m	2.5m	3.0m
Numbers of IR beams	3 (max 4)	4 (max 5)	5 (max 7)
Number of microwave	1	1	1
Alarm response time	25ms-1000ms		
Probability of detection	Greater than 99% (related to IR)		
Alarms	Intrusion, Tamper, Fault, SEA, Scenarios, others		
Communication	TCP-IP / Modbus		
Third party integration	A-Bridge / API available		
Power supply	12VDC/24VAC @ -25°C (-40°C with IMRESC)...+70°C		
Operating temperature	PoE+ @ -10°C...+70°C		
Product classification	Security Grade 4 - Environmental Class IV (EN 50131)		
Accessories	See accessories		
P/N	IMTDT150/2.0	IMTDT150/2.5	IMTDT150/3.0



Description	Installation kit for Avantgarde DT	Base for ground-mounting (hosts 1x tower)	Base Back-to-Back for ground-mounting (hosts 2x towers)	Reinforced support for BEC040 and BEC040DUAL	Power supply 230AC-12DC/24AC with battery control	PoE+ Splitter 13.6V/2A
Notes	Includes Software, IR filters, manuals, MW alignment kit	1 piece 280x280mm	1 piece 340x280mm	1 piece Only 2.5/3m towers	Battery support BEC032	Includes support for tower mounting
P/N	IM-PACK	BEC040	BEC040DUAL	BEC042	BEA1224ALIEX	IMTSPT1220BOX



Description	Anti-climbing top cover	Additional IR beams 200m	Anti crawling doppler unit	Support for 12V-4.5Ah battery	PTC Heater with temperature sensor
Notes	1 piece	Kit of 2 optics Master TX & Slave RX	1 piece	1 piece	For temperatures up to -40°C
P/N	BEC205	IMT242	IME251	BEC032	IMERESC

ABSOLUTE PRO



Absolute PRO is a high security IP based modular Dual Technology barrier enclosed in two tamper protected rugged extruded aluminium towers that combines SICURIT patented bi-directional IR Beam and Microwave technologies, all within one unit.

Developed for long range outdoor surveillance applications up to 200m coverage, is the unique of its kind able to guarantee highest detection capabilities and minimum false alarm rates under all weather conditions. Because of its combination of technologies, **Absolute PRO is the unique active barrier offering a very high level of security even under conditions of thick fog, heavy rain, strong snowfalls and sandstorms** all of which tend to trigger false alarms or unreliable performances when only IR or MW systems are used.



KEY BENEFITS

- Outdoor range up to 200m
- Linear Detection - Microwave technology is used as pre-alarm only
- Reduced cabling infrastructure with PoE+ version
- NOT Susceptible to EMI and RF Interferences
- Infrared Barrier with Distributed Intelligence (SDS)
- Equipped with Predictive Maintenance Tools
- Able to define Crossing Direction (IN&OUT)
- End2End Integration with major VMS platforms
- HyperPower Alarm and Event management SW platform
- Compatible with A-Bridge
- Compatible with IMTIPLUG
- Built-in Modbus TCP & API





ABSOLUTE PRO

IP Dual Technology Barrier (200m)

IP ACTIVE BARRIERS



**ABSOLUTE PRO
200/2.0**



**ABSOLUTE PRO
200/2.5**



**ABSOLUTE PRO
200/3.0**

Detection technology IR / MW Frequency	Bi-directional infrared 940nm + Microwave X-Band (10.525 GHz)		
Range	200m		
Towers height	2.0m	2.5m	3.0m
Numbers of IR beams	3 (max 4)	4 (max 5)	5 (max 7)
Number of microwave	1	1	1
Alarm response time	25ms-1000ms		
Probability of detection	Greater than 99%		
Alarms	Intrusion, Tamper, Fault, SEA, Scenarios, others		
Communication	TCP-IP / Modbus		
Third party integration	A-Bridge / API available		
Power supply	12VDC/24VAC @ -25°C (-40°C with IMRESC)...+70°C		
Operating temperature	PoE+ @ -10°C...+70°C		
Product classification	Security Grade 4 - Environmental Class IV (EN 50131)		
Accessories	See accessories		
P/N	IMTDT200/2.0	IMTDT200/2.5	IMTDT200/3.0

ABSOLUTE PRO ACCESSORIES

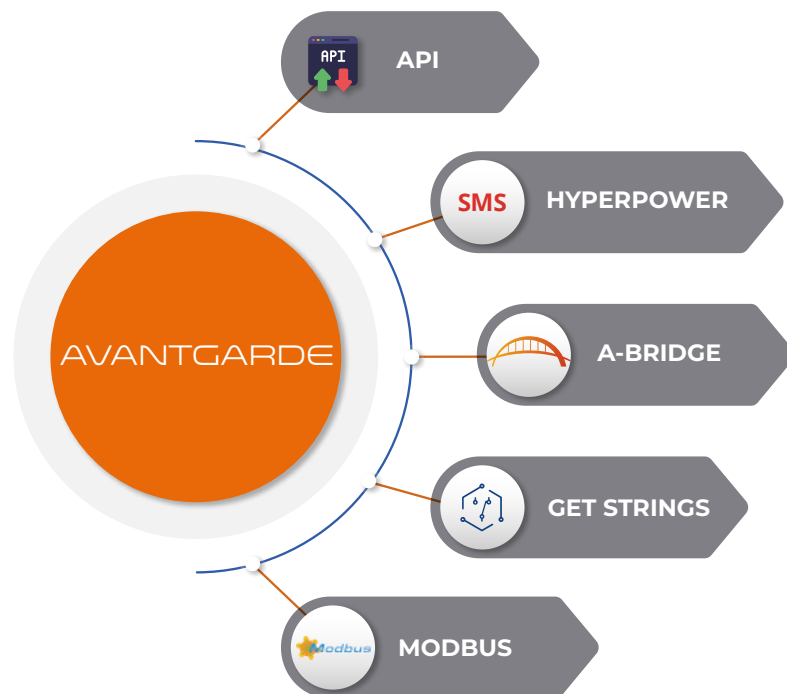


Description	Installation kit for Absolute Pro	Reinforced Base for ground-mounting	Power supply 230AC-12DC/24AC with battery control	PoE+ Splitter 13.6V/2A
Notes	Includes Software, IR filters, manuals, MW alignment kit	1 piece 400x400mm	Battery support BEC032	Includes support for tower mounting
P/N	IM-PACK	IME208N	BEA1224ALIEX	IMTSPT1220BOX



Description	Additional IR beams 200m	Anti crawling doppler unit	Support for 12V-4.5Ah battery	PTC Heater with temperature sensor
Notes	Kit of 2 optics Master TX & Slave RX	1 piece	1 piece	For temperatures up to -40°C
P/N	IMT242	IME251	BEC032	IMERESC

FULL IP INTEGRATION



A-Bridge is a smart Gateway to connect AVANTGARDE barriers in third-party VMS/PSIM. It allows End-to-End integration of up to 128 set without the need for additional management and control SW Platforms, e.g. HyperPower

Current Integrations: Geutebrück, Genetec, Dahua, Milestone.

GEUTEBRÜCK

milestone

dahua
TECHNOLOGY

Genetec

IndigoVision

LENSEC

advancis

HyperPower



HyperPower is an Alarm and Event Management SW with integration in third party VMS/PSIM. It features fully interactive mapping with secure communications, simple graphical configuration and optional remote diagnostic of all connected AVANTGARDE barriers and supports serial and Ethernet I/O modules to connect third-party detectors relays.



Description	Software A-Bridge MASTER for VMS/PSIM					
Notes	Up to 16 barriers Includes licenses	Up to 32 barriers Includes licenses	Up to 48 barriers Includes licenses	Up to 64 barriers Includes licenses	Up to 96 barriers Includes licenses	Up to 128 barriers Includes licenses
P/N	IMTAB16	IMTAB32	IMTAB48	IMTAB64	IMTAB96	IMTAB128



Description	Software A-Bridge FAILOVER for VMS/PSIM					
Notes	Up to 16 barriers Includes licenses	Up to 32 barriers Includes licenses	Up to 48 barriers Includes licenses	Up to 64 barriers Includes licenses	Up to 96 barriers Includes licenses	Up to 128 barriers Includes licenses
P/N	IMTABPU16	IMTABPU32	IMTABPU48	IMTABPU64	IMTABPU96	IMTABPU128

Description	Industrial PC with HyperPower Software Server	HyperPower Software Server	HyperPower Configurator	License for Barriers	License for F-ACTIVA	License for VMS/PSIM
Notes	Up to 3072 IN / 1024 OUT 8xRS485 + 1xLAN Includes configurator CMHCONF	Windows® based	Dongle for configuration of HyperPower Server Software	One set of AVANTGARDE or ABSOLUTE-PRO	One F-ACTIVA (FENCUP)	For Milestone Genetec Geutebrueck Dahua
P/N	CMHP8	CMHPAVSW	CMHCONF	CMHPDRIMT	CMHPDRCUP	CMHPINTVMS

HyperPower HyperPower HyperPower HyperPower

Description	HyperPower Software Server 16	HyperPower Software Server 32	HyperPower Software Server 64	HyperPower Software Server 128
Notes	Includes licenses up to 16 barriers Windows® based	Includes licenses up to 32 barriers Windows® based	Includes licenses up to 64 barriers Windows® based	Includes licenses up to 128 barriers Windows® based
P/N	CMHPAVSW16	CMHPAVSW32	CMHPAVSW64	CMHPAVSW128

Description	HyperPower Client	HyperPower Web license	HyperPower APP license	HyperPower Ethernet I/O module	HyperPower Ethernet I/O module	License Ethernet I/O module
Notes	Dongle Client software for remote viewing and management	Graphical display and management from web browser	Management Android only	Compact card with built in 8xIN, 8xOUT, 1xLAN Serverweb 12VDC Expandable to 2xRS485 / Wiegand Optional PoE	Card with built in 8xIN, 3xOUT 1xLAN, 1xRS485 Serverweb 12VDC Expandable to 3xRS485 / GSM	Up to 10x Ethernet I/O Modules
P/N	CMHCRHP	CMHPWEB	CMHPAPP	CMHCA300	CMHUC100UR	CMH10LAN

Description	8IN /8 OUT RS485 module	RFID / MIFARE Reader without keyboard	RFID / MIFARE Reader with keyboard	8 O.C OUT RS485 module	Touch screen keyboard	License RS485
Notes	Card with built in 8xIN, 8xOUT Expandable to 32IN 12VDC	Management of access control via RS485 1xIN - 1xOUT	Management of access control+PIN via RS485 1xIN - 1xOUT	RS485 module with 8 O.C. outputs	Remote capacitive for control and management via RS485 or IP	Up to 10x CMH088 or CMH8OUT
P/N	CMH088	CMHWA100	CMHWA101	CMH8OUT	CMHTA600	CMHPDRSER

EKO SERIES

IR | MW | DT

Infrared Beam Barriers

EKO IR is an active Infrared barrier that offers high performances and reduced installation costs.

The brand new main control board allows different configurations according to site and environmental requirements ensuring high detection capability. EKO IR can be mounted either on ground or wall. Towers can be painted to reduce visual environmental impact. To avoid disqualification during big snow falls or sand storms the bottom IR beam (or any) can be remotely disabled through wire commands.



KEY BENEFITS

- Linear detection with range up to 150m
- Adjustable response time 40 to 700ms
- Lowest IR beam switching off function by external command
- Alarm selection for single IR beam, adjacent IR Beams or twins-IR beams via dip switch
- Easy IR beam alignment through built-in 2-Digit display
- SYNC wire not required





EKO-IR

Infrared Beam Barriers (50/100/150m)



EKO 2 IR
50/100/150 - 1.5/2.0



EKO 3 IR
50/100/150 - 2.0/2.5/3.0



EKO 4 IR
50/100/150 - 2.5/3.0

Detection technology IR Frequency	Infrared beams 950nm						
Range	50/100/150m (30/75/100m in dense fog)						
Towers height Numbers of IR beams	1.5m 2 (max 2)	2.0m 2 (max 3)	2.0m 3 (max 3)	2.5m 3 (max 4)	3.0m 3 (max 5)	2.5m 4 (max 5)	3.0m 4 (max 6)
Alarm response time Probability of detection	40ms-700ms Greater than 99%						
Alarms	Intrusion, Tamper, Disqualification, Scenarios						
Output Third party integration	Dry contacts Dry contacts						
Power supply Operating temperature	110/230VAC/12VDC/24VAC -25°C (-40°C with IMERESC)...+60°C						
Product classification	Security Grade 3 - Environmental Class IV (EN 50131)						
Accessories	See accessories						
P/N	EK2IR50/1.5 EK2IR50/2.0 EK2IR100/1.5 EK2IR100/2.0 EK2IR150/1.5 EK2IR150/2.0	2IR/50m/1.5m 2IR/50m/2.0m 2IR/100m/1.5m 2IR/100m/2.0m 2IR/150m/1.5m 2IR/150m/2.0m	EK3IR50/2.0 EK3IR50/2.5 EK3IR100/2.0 EK3IR100/2.5 EK3IR150/2.0 EK3IR150/3.0	3IR/50m/2.0m 3IR/50m/2.5m 3IR/100m/2.0m 3IR/100m/2.5m 3IR/150m/2.0m 3IR/150m/3.0m	EK4IR50/2.5 EK4IR50/3.0 EK4IR100/2.5 EK4IR100/3.0 EK4IR150/2.5 EK4IR150/3.0	4IR/50m/2.5m 4IR/50m/3.0m 4IR/100m/2.5m 4IR/100m/3.0m 4IR/150m/2.5m 4IR/150m/3.0m	

EKO IR ACCESSORIES



Description	Installation kit for EKO IR	Base for ground-mounting (hosts 1x tower)	Base Back-to-Back for ground-mounting (hosts 2x towers)	Reinforced support for BEC040 and BEC040DUAL	3 side bracket for wall mounting applications	Power supply 230AC-12DC/24AC
Notes	Includes IR filters & manuals	1 piece 280x280mm	1 piece 340x280mm	1 piece Only 2.5/3m towers	Maximum 1.5m tower height (1 pcs)	Battery support BEC032
P/N	IM-PACK	BEC040	BEC040DUAL	BEC042	BEC045	BEA1224ALI



Description	Anti-climbing top cover	Additional IR beams 100/150m	Support for BEA1224ALI tower mounting	Support for 12V-4.5Ah battery	PTC Heater with temperature sensor
Notes	1 piece	Kit of 2 optics TX & RX	1 piece	1 piece	For temperatures up to -40°C
P/N	BEC205	BAT100EKO BAT150EKO	BEC031	BEC032	IMERESC

EKO SERIES

IR | MW | DT

Dual Technology Barriers

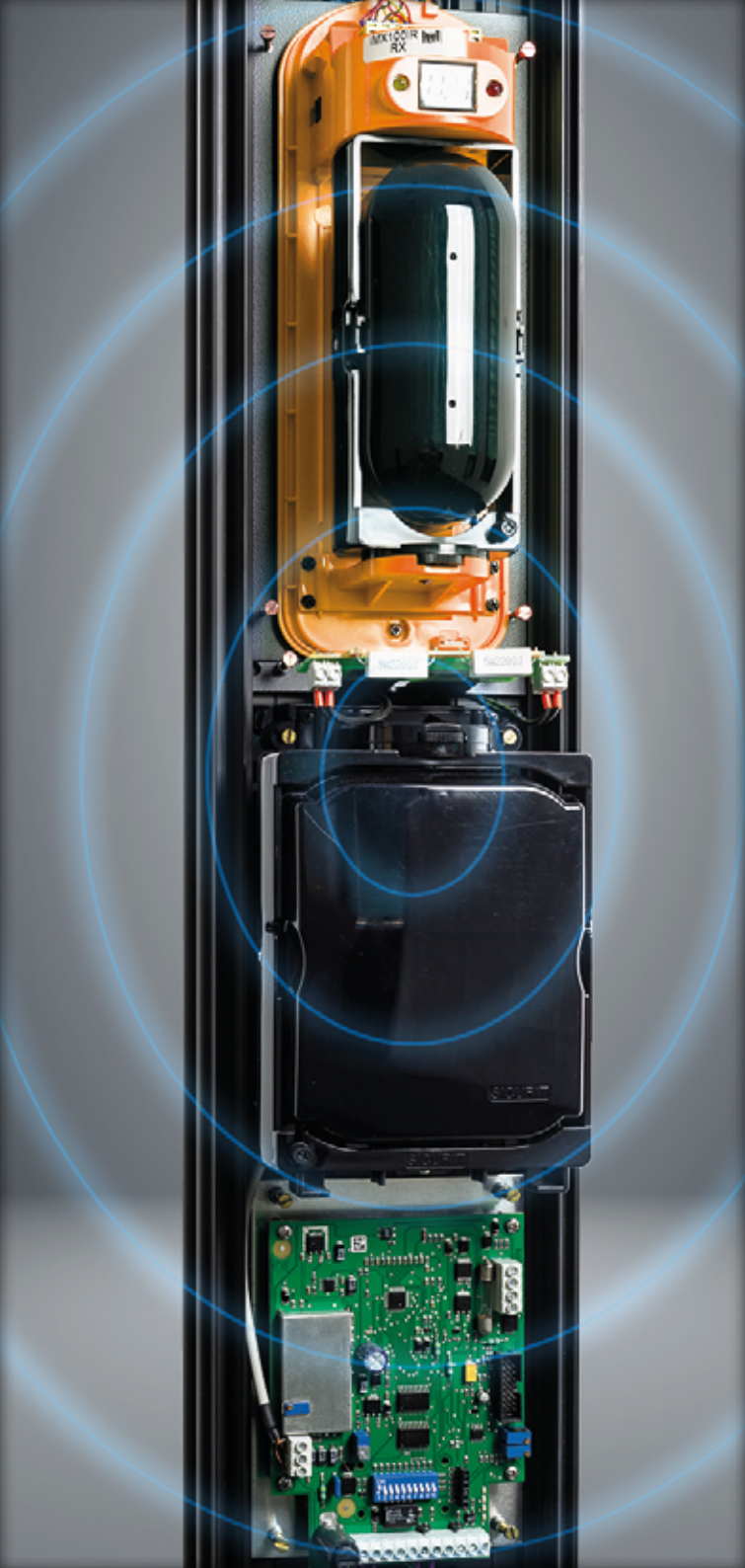
Unique active barrier offering a very high level of security even under conditions of thick fog, heavy rain, strong snowfalls and sandstorms all of which tend to trigger false alarms or unreliable performances when only Infrared technology is used. The Microwave is the technology that functions as the “Activator” because, in most cases, it is activated first. Since the two sensors will not detect an intrusion precisely at the same time the system has been designed to generate an alarm only when Infrared Technology confirms Microwave detection in a pre-selected time interval.



KEY BENEFITS

- Dual technology operation (IR+MW)
- Alarm Time Window for Multiple Technologies (IR + MW)
- Adjustable response time from 40ms to 1000ms
- Lowest IR beam switching off function by external command
- Alarm selection for single IR beam, adjacent IR Beams or twins-IR beams
- Possibility of a 3rd technology integration
- SYNC wires not required





EKO-DT

Dual Technology Barriers (50/100m)

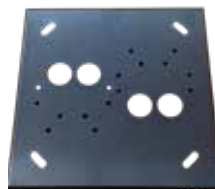

**EKO DT
50/2.0**

**EKO DT
50/2.5**

**EKO DT
100/2.0**

**EKO DT
100/2.5**

Detection technology IR / MW Frequency	Infrared beams + Microwave 950nm / X-Band (10.525 GHz)			
Range	50m		100m	
Towers height	2.0m	2.5m	2.0m	2.5m
Numbers of IR beams	3 (max 3)	4 (max 4)	3 (max 3)	4 (max 4)
Number of microwave	1	1	1	1
Alarm response time	40ms-1000ms			
Probability of detection	Greater than 99%			
Alarms	Intrusion, Tamper, Disqualification, Scenarios			
Output	Dry contacts			
Third party integration	Dry contacts			
Power supply	110/230VAC/12VDC/24VAC			
Operating temperature	-25°C (-40°C with IMRESC) / +60°C			
Product classification	Security Grade 3 - Environmental Class IV (EN 50131)			
Accessories	See accessories			
P/N	EK3DT50/2.0	EK4DT50/2.5	EK3DT100/2.0	EK4DT100/2.5

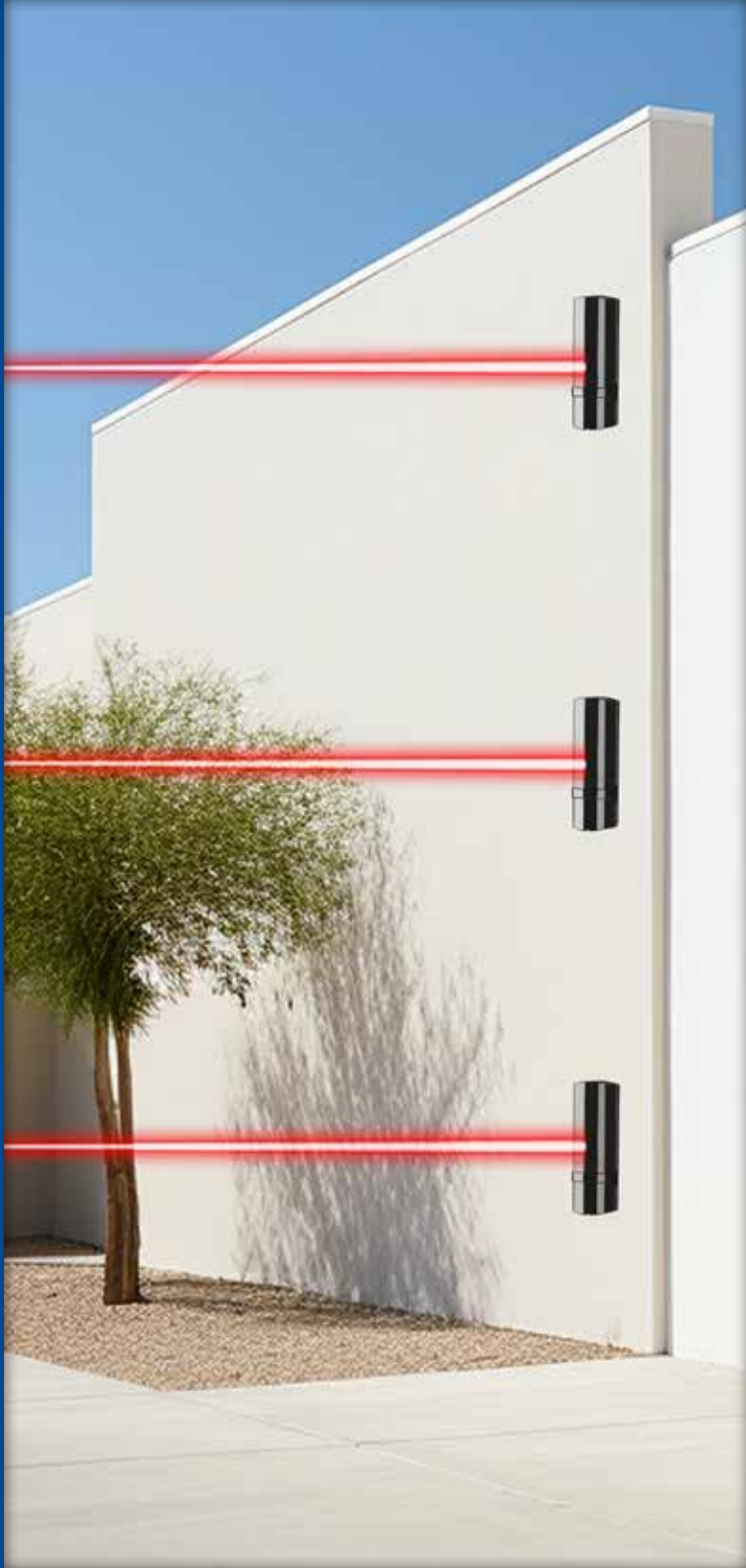


Description	Installation kit for EKO DT	Base for ground-mounting (hosts 1x tower)	Base Back-to-Back for ground-mounting (hosts 2x towers)	Reinforced support for BEC040 and BEC040DUAL	Power supply 230AC-12DC/24AC	Support for BEA1224ALI tower mounting
Notes	Includes IR filters, manuals, MW alignment kit	1 piece 280x280mm	1 piece 340x280mm	1 piece Only 2.5/3m towers	Battery support BEC032	1 piece
P/N	IM-PACK	BEC040	BEC040DUAL	BEC042	BEA1224ALI	BEC031



Description	Anti-climbing top cover	Additional IR beams 100/150m	Anti crawling doppler unit	Support for 12V-4.5Ah battery	PTC Heater with temperature sensor
Notes	1 piece	Kit of 2 optics TX & RX	1 piece	1 piece	For temperatures up to -40°C
P/N	BEC205	BAT100EKO BAT150EKO	IME251	BEC032	IMERESC

SMART ACTIVE BARRIERS



BAT

3 Optics Beams Active IR Barrier (100/150/250m)


**BAT
100**

**BAT
150**

**BAT
250**

Detection technology IR Frequency	Infrared beams 950nm		
Range	100m (70m in dense fog)	150m (100m in dense fog)	250m (200m in dense fog)
Numbers of IR beams	3		
Alarm response time Probability of detection	40ms-700ms Greater than 99%		
Alarms	Intrusion, Tamper, Disqualification		
Output Third party integration	Dry contacts Dry contacts		
Power supply Operating temperature	12VDC -25°C / +60°C		
Product classification	Security Grade 4 - Environmental Class IV (EN 50131)		
Accessories	Metal brackets, included, for pole installation from 38 to 50mm Per installazione in colonna BEC utilizzare le apposite staffe P/N BEC030BAT e la resistenza (una per ogni ottica) P/N BEC010		
P/N	BAT100	BAT150	BAT250

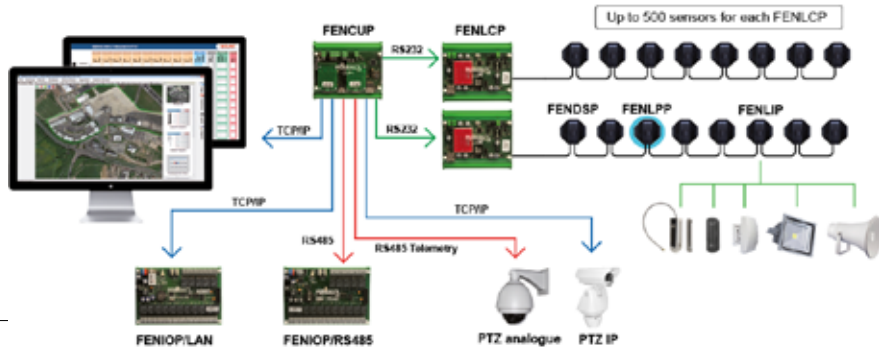
F-ACTIVA

F-ACTIVA provides effective perimeter protection for strategically important sites. It uses digital, addressable vibration sensors to detect intruders directly at the boundary of the protected area with very high precision (Pin-Point accuracy up to 5 m). **F-ACTIVA** sensors can be installed on all common types of fences, as well as on non-standard ones such as metal plates, welded decorative fences, and concertina. A single **F-ACTIVA** controller can **monitor up to 3 km of fencing** and is available in both standard and redundant topologies.



KEY POINTS

- Up to 3 km of protection
- 1000 sensors per controller
- Three types of sensors available:
 - Installation on fence with standard cable
 - Installation on fence with armored cable
 - "Hidden" version for installation inside the post
- Pin-point 2-5 meters
- Redundancy (optional)
- Relay outputs, integration with VMS/PSIM, Onvif
- Sensor comparison to filter out disturbances



AVAILABLE PLUG-IN

GEUTEBRÜCK

Genetec

milestone



F-ACTIVA

Vibration sensors (3000m)




**FENCE
SENSOR**

**HIDDEN
SENSOR**

CONTROLLER

LINE MANAGER

Detection Technology	Digital piezoelectric		Controller	Line manager
Detection Principle	Vibration			
Installation	Max 5m	Max 5m	3000m	1500m
Pin-point	Typical 2-5m	Typical 2.5m	Maximum 2 FENLCP	
Number of zones	Set on FENCUP	Set on FENCUP	128	Set on FENCUP
Max Number of Sensors	See FENLCP	See FENLCP	Max 1000	Max 500
Detection Probability	Greater than 99%		-	-
Power Supply	Provided by FENLCP	Provided by FENLCP	12.5VDC	12.5VDC
Operating Temperature	-55°C...+85°C	-55°C...+85°C	-55°C...+85°C	-55°C...+85°C
Onboard Inputs / Outputs	-	-	1x tamper + 4xO.C zone alarm	-
Third-Party Integration	-	-	1x RS485 + 1x LAN	-
Product Classification	Security Grade 4 – Environmental Class IV (EN 50131)			
Notes	Specify the distance between sensors (0–5 m)	Supplied without cabling FENCV2 cable required	RS485 and LAN ports for third-party integration	-
Available versions	Sensor with armored cable	-	-	-
Accessories	See accessories	See accessories	See accessories	
P/N	FENDSP	FENHDS	FENCUP	FENLCP

F-ACTIVA Accessories



Description	Line protector	Line separator	IN/OUT module Field installation	Lead cable	UV-resistant plastic cable ties
Notes	1 piece Suggested 1 each 50 sensors Suggested for open loop	1 piece Suggested 1 each 50 sensors Suggested for closed loop	2 IN double balancing 1 OUT O.C Max 128 FENLIP for FENCUP	Roll of 250m	100 pieces
P/N	FENLPP	FENLSP	FENLIP	FENCV2	FENRT330UVB



Description	16 relay expansion module IP	16 relay expansion module RS485	Additional expansion 16 relay	Waterproof connector for junctions	License for FULL IP integration F-ACTIVA with A-BRIDGE
Notes	16 relay N.O/N.C Expandable up to max 32 with FENIOEXP	16 relay N.O/N.C Expandable up to max 32 with FENIOEXP	16 relay N.O/N.C For connection to FENIOPLAN / FENIORS485	100 pieces	Allows connecting 1 FENCUP with any license A-BRIDGE Master / Failover
P/N	FENIOPLAN	FENIORS485	FENIOEXP	FENUR2	IMTABFA1

SICURFLEX

Single Zone fence-mounted PIDS

SICURFLEX is a fence-mounted intrusion detection system designed for flexible fences such as chain-link and light welded-mesh types. Very easy to install and simple to calibrate, is the ideal solution for securing perimeter fencing with minimal investments. The system detects intruders climbing over or cutting a fence by means of a minute strain of the sensor cable. Sensitivity levels can be adjusted in order to meet fence and environmental conditions. Single Zone based, each Signal Processing Unit can manage up to 500m of sensor cable, typically 250m of fence portion in a dual pass configuration .



KEY BENEFITS

- Simple integration via dry contact
- Very easy to install and calibrate
- No IT components required
- Very low power consumption
- Management of NON sensitive zones





SICURFLEX

Single Zone fence-mounted PIDS (250/500m)

FENCE-MOUNTED SENSORS



**SICURFLEX
SINGLE ZONE**



**SICURFLEX KIT
SINGLE ZONE**



**SICURFLEX KIT
DUAL ZONE**

Detection technology Detection principle	Trieboelectric effect Sensor cable deflection		
Detection range	250/500m (Typically 250m of fence in dual passage configuration)		
Numbers of zones Cable diameter	1 8 mm		2 8 mm
Non sensitive zones	Available through junction units and RG59 cable (maximum 10% of the length of the installed sensitive cable)		
Probability of detection	Greater than 95%		
Power supply Operating temperature	12VDC -40°C / +70°C	12VDC (230VAC built in power supply) -40°C / +70°C	
Output Third party integration	Dry contacts Alarm, Tamper		
Product classification	Security Grade 3 - Environmental Class IV (EN 50131)		
System composition	1x Controller 1x Junction unit 1x Termination unit	1x IP 65 Cabinet, 1x Power supply 1x Controller, 1x Junction unit 1x Termination unit	1x IP 65 Cabinet, 1x Power supply 2x Controller, 2x Junction unit Termination unit 2x
P/N	FLCENAN	FLCENKIT	FLCENDUOKIT



Description	Detection cable	Stainless Steel Ties	Junction box for non sensitive zones	Fixing Tool Gun
Notes	Available in the following sizes: 50, 100, 150, 250, 500m Price per meter, black colour	100 pieces	Need two boxes for each non sensitive zone Tamper protected	Model may vary according to market availability
P/N	FLEXCV	LFSC100	FLEXCN	LFSC100PI

INTEGRATION

REMOTE RELAYS VIA INTERNET



IOT-LAN-WIFI DEVICES

Collects, via INPUT, the OUTPUT status of the barriers (alarm, tamper, fault etc.) and by exploiting the LAN / Internet network activates devices anywhere in the world.

Receives, via LAN network, the **GET strings** generated by a camera, and activates the own on-board relays, without laying dedicated cables, but exploiting the same data network with considerable management distances.

SUPPORTED PROTOCOLS

WIFI, TCP, HTTP GET CGI, Modbus TCP, MQTT.

REMOTE RELAYS VIA ETHERNET

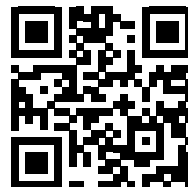




Description	I/O-LAN-WiFi 2IN/2OUT	I/O-LAN-WiFi 4IN/4OUT	I/O-LAN-WiFi 8IN/8OUT	I/O-LAN-WiFi 16IN/16OUT	I/O-LAN-WiFi 32IN/32OUT
Notes	ServerWeb 12VDC/24VAC Housing & DIN35			ServerWeb 12VDC/24VAC Naked & DIN35	
P/N	IOTRE2CH	IOTRE4CH	IOTRE8CH	IOTRE16CH	IOTRE32CH

SICURIT

PERIMETER PROTECTION SYSTEMS



a dedicated division of
SICURIT Alarmitalia Spa
Via Gadames, 91
20151 - Milan - Italy
Tel: +39.2.38070.1
Fax: +39.2.308.80.67
export@sicurit.it
<https://sicurit-pps.it>