

IP NATIVE IMT SERIES

SICURIT
PERIMETER PROTECTION SYSTEMS



Products showcase:

ABSOLUTE PRO™
THE IP DUAL TECH BARRIER

AVANTGARDE™
THE IP IR BEAM BARRIER



« Designed to protect critical infrastructures »

ABOUT SICURIT

A 45+ YEARS LONG EXPERIENCE

Sicurit Perimeter Protection Systems, a dedicated division of SICURIT Alarmitalia Spa, has been producing and distributing security systems since 1971.

The Company is a recognized leader in the Italian market, and since 2000, has been exporting its Perimeter Intrusion Detection Systems (PIDS) to what has now grown to more than 30 countries.

R&D

At SICURIT new product development is ongoing and proactive. Our central objective is to provide the security industry with the latest technologies that guarantee unparalleled performance and seamless integration into existing or new security applications.

QUALITY (ISO9001-2008)

Given the nature of our sensitive government and military clients, we are committed to achieve and maintain the highest quality standards for products and services.

Typically, these will exceed generic industry benchmarks for reliability and performance, by a considerable margin.

APPLICATIONS

MAIN VERTICAL MARKETS SERVED

Critical infrastructures are responsible for providing the essential services which our daily lives depend on. Protecting their vital operations is a major priority. Vulnerable on many levels, these facilities consistently face significant threats.

Due to their large extensions, video surveillance systems are not sufficient to keep them safe from external attacks, therefore Integrated Perimeter Intrusion Detection Systems (PIDS) support security operators in the threat assessment by focusing their attention only on those few CCTV cameras associated to the specific zones that has identified a breach of the secured perimeter.

SICURIT proven applications includes solutions in the following sectors:

- ✓ Transportations: Airports and Seaports
- ✓ Energy: Power generation and distribution plants, wind and solar farms
- ✓ Oil&Gas: extraction plants, refineries and LNG terminals
- ✓ Government: Borders, Correctional facilities and Sensitive Buildings
- ✓ Defense: Military and Navy bases
- ✓ Industry



PIDS INTRODUCTION

PIDS detect intruders as soon as a protected area is entered and therefore before intruders are able to gain access to people or valuable objects and assets.

PIDS in conjunction with Video surveillance systems, provide a primary and fundamental layer of security by monitoring suspicious activities nearby perimeter boundaries.

PIDS need to be resilient enough not only to withstand outdoor weather conditions, but also reliable enough to detect intrusion during harsh environmental conditions. This is due largely to many ungovernable factors such as: wind, rain, fog, snow, standing water, blowing debris, random animal activities, as well as other sources including radio transmission interferences.

IMT SERIES

IMT series has been designed to meet the growing demand of IP based perimeter intrusion detection systems (PIDS). Easy to integrate into existing or new IP backbone networks and virtually controlled from any location, advantages of IP network solutions include remote accessibility for system maintenance and diagnostics, high scalability, and enhanced installation cost-effectiveness.

IMT series includes long range active Dual Technology (IR + MW) barriers **Absolute PRO™** for ground mounting applications and Infrared beam (IR) barriers **Avantgarde™** for both ground and wall mounting applications.

UNIQUE FEATURES



TARGET DIRECTION ANALYSIS

5DS

5 DETECTION SCENARIOS + 5 ALARM FILTERS



IR BEAM REMOTE MANAGEMENT



PREDICTIVE MAINTENANCE TOOL



OPTICAL DATA CHECK



BI-DIRECTIONAL TECHNOLOGY



CUSTOM CONFIGURATIONS

UNIQUE FEATURES



TARGET DIRECTION ANALYSIS

IMT barriers provide not only a simple alarm information, instead can be configured in order to provide security operators with target direction (IN or OUT) information which makes even target tracking with perimeter CCTV cameras easier and more accurate. As an instance alarms generated by personnel leaving a facility can be filtered to avoid useless security procedures activation.



5 DETECTION SCENARIOS + 5 ALARM FILTERS

Being each IR beam equipped with a microprocessor, individual crossing parameters can be set and up to 5 multiple intrusion detection scenarios can be configured for better filtering nuisance alarms caused by random animal activities such as flying birds and small/medium wilde animals keeping a high capability of real intrusions detection. In some applications groups of IR beams can be created to filter or differentiate between persons and vehicles.



IR BEAM REMOTE MANAGEMENT

IMT barriers can adapt themselves to any drastic environmental changing such as big snow falls, growing grass or sand storms by simply disabling without additional wire connections from the control room those IR beams temporally covered by high layer of snow or sand preserving its high capability of detection. Other circumstances may require remote IR beams disabling such as temporary obstructions between the detection area.



PREDICTIVE MAINTENANCE TOOL

An other key innovation is the introduction of the Signal Efficiency Analysis (SEA) which continuously monitor the optical communication stability and efficiency of each IR beam which could decrease as for instance due to powder on lenses, dirty plexiglass, or any other factor that can cause optical communication reduction including IR beams end of life. An alert is sent once the signal decrease under a warning level.



OPTICAL DATA CHECK

Data communication between MasterTX and SlaveRX columns are optical and do not require any SYNC cable which makes installation procedures longer and costly. The safety of the optical data transmission is guaranteed by a continuous regeneration of specific codes protected with checksums.



BI-DIRECTIONAL TECHNOLOGY

Thanks to the already patented bi-directional IR beam technology, IMT barriers (above all Avantgarde™ which is equipped with IR beam technology only) are completely immune to direct solar rays or e.g. car's headlights often main cause of nuisance alarms in conventional IR Beam barriers.



CUSTOM CONFIGURATIONS

IMT barriers are delivered in standard configurations with the possibility to upgrade number of IR beams and/or columns height. From 2 meters high columns equipped with 3 IR beams up to 6 meters columns with 18 IR beams, surely SICURIT will be able to define the configuration that will better suite your application.

ABSOLUTE PRO™

THE IP DUAL TECH BARRIER



WHAT IS ABSOLUTE PRO™

Developed for long range outdoor surveillance (i.e. up to 200m coverage between the transmitter and receiver unit), Absolute PRO™ is a high security IP based modular Dual Technology barrier that combines a unique digital bi-directional optically synchronized IR beam and digital microwave technologies, all within one unit.

Thanks to the internal integrated web-server, Absolute PRO™ can be easily configured, controlled and diagnosed remotely via ethernet connection.

5DS



WHY ABSOLUTE PRO™

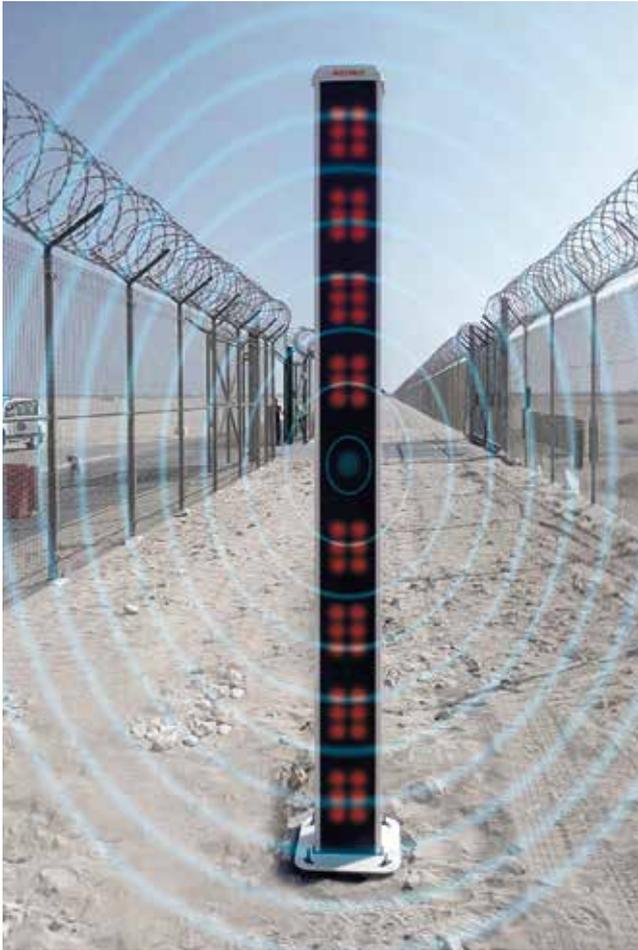
Because of its combination of technologies, ABSOLUTE PRO™ is **the unique** active barrier offering a very high level of security even under conditions of thick fog, heavy rain, strong snowfalls and sandstorms all of which tend to trigger false alarms or unreliable performances when only IR or MW systems are used.

The following table resumes typical environmental conditions that might affect individual conventional technologies which don't make use of IMT technology.

| | | Infrared Barriers | Microwave Barriers | Dual Tech Barriers |
|-----------------------|--|-------------------------|-----------------------------|-----------------------------|
| ENVIRONMENTAL FACTORS |  Small birds | Nuisance Alarm | No Alarm | No Alarm |
| |  Small animales | Nuisance Alarm | No Alarm | No Alarm |
| |  Leaves passing by | Nuisance Alarm | No Alarm | No Alarm |
| |  Sunlight reflections | Nuisance Alarm | No Alarm | No Alarm |
| |  High freq. signals | No Alarm | Nuisance Alarm | No Alarm |
| |  Fence interference | No Alarm | Nuisance Alarm | No Alarm |
| |  Fluorescent lights | No Alarm | Nuisance Alarm | No Alarm |
| WEATHER CONDITIONS |  FOG | Disqualification | Detection Capability | Detection Capability |
| |  RAIN | Disqualification | Detection Capability | Detection Capability |
| |  SNOW | Disqualification | Detection Capability | Detection Capability |
| |  SAND | Disqualification | Detection Capability | Detection Capability |

« ... unique active barrier offering a very high level of security even under conditions of thick fog ... »

IMTDT050 / IMTDT200



BARRIER SPECS

- | Outdoor Range: up to 200m
- | Detection Mode: IR (5DS) + MW
- | Alarm Response Time: from 30ms
- | Operating Temperatures: -40°C to 75°C

SUPPORTED PROTOCOLS

- | TCP/IP
- | ModBus TCP

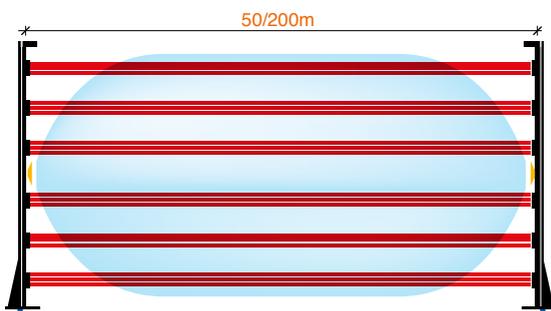
SUPPORTED PLATFORMS

- | HyperPower™ (SICURIT SMS)
- | Genetec™ Security Center
- | API available on request

IP NATIVE

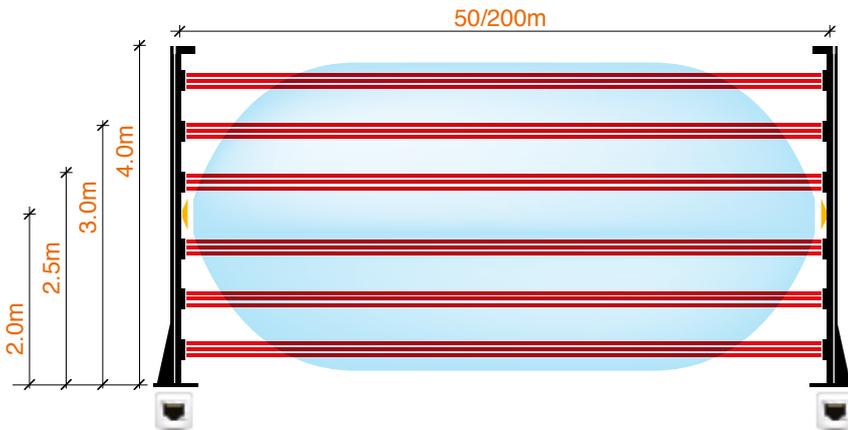
| Codes & Features | IMTDT050/2.0 | IMTDT050/2.5 | IMTDT050/3.0 | IMTDT200/2.0 | IMTDT200/2.5 | IMTDT200/3.0 |
|--------------------|--|--------------|--------------|--------------|--------------|--------------|
| Outdoor Range | 50m | 50m | 50m | 200m | 200m | 200m |
| Columns Height* | 2.0m | 2.5m | 3.0m | 2.0m | 2.5m | 3.0m |
| IR Beams (default) | 3 | 4 | 5 | 3 | 4 | 5 |
| IR Beams (max) | 4 | 7 | 9 | 4 | 7 | 9 |
| Microwaves | 1 | 1 | 1 (max 2) | 1 | 1 | 1 (max 2) |
| MW Frequencies | 9.461 GHz / 9.9 GHz / 10.525 GHz / 10.587 GHz (on demand K-band available) | | | | | |
| EMC | In compliance with European standards (FCC pending) | | | | | |
| Operating Temp. | -25°C / +75°C (-40°C with dedicated PTC heater) | | | | | |
| Power Supply | 12VDC ±15% and 12VAC ±20% | | | | | |

* Modular construction enables beams to be fitted in virtually any configuration and column sizes (up to 6m.)



| Alarm monitoring & System diagnostic

PRODUCT SPECIFICATIONS



ABSOLUTE PRO™ THE IP DUAL TECH BARRIER

Featuring



| FEATURES | DESCRIPTIONS |
|---|--|
| Outdoor Range | 50m (IMTDT050/X.X) and 200m (IMTDT200/X.X) |
| Columns Height | Standard 2/2.5/3.0/4.0m – on request up to 6m |
| Column Dimensions (mm.) | 260(W) x 145(P) x (H) |
| Base Dimensions (mm.) | 400 x 400 (IME207/IME208) |
| Column IP rating | IP55 |
| Number of IR Beams | Minimum 3 up to 18 (Depending on columns height) |
| IR Beam wavelength | 940nm |
| IR Beam Synchronism | Optical (+ TCP/IP Checksum) |
| Number of Microwaves | 1 (max 2 for IMTDT/4.0 and higher versions) |
| Microwave Frequency available | 9.461 GHz. / 9.9 GHz. / 10.525 GHz. / 10.587 GHz. (on demand K-band available) |
| Microwave Lobe diameter | Up to 8m (depending on range and sensitivity) |
| Number of channels (MW) | 4 + 4 |
| Alarm response time | From 30ms up to 1000ms (selectable for each Beam + Multiple alarm intrusion scenarios) |
| Probability of detection (POD) | Greater than 98% |
| H/V Beam adjustments | ±10° (H) and ±10° (V) |
| Power Supply | 12VDC ±15% and 24VAC ±20% (Anti-mist heaters) 110/230V with BEA1224ALIEX or BEA1224ALIEX-USA |
| IR Beam consumption (12V) | 75mA (each column) |
| Microwave consumption (12V) | 60mA (each column) |
| Heater consumption (24V) | 220mA (each IR Beam in column) |
| Operating Temperatures | From -25°C to +75°C From -40°C to +75°C with IMERES module |
| Relative Humidity | 5 up to 95% |
| Alarm Output | C form Contact Relay Outputs on MasterTX and SlaveRx columns |
| Tamper Output | N.C. Contact switch on MasterTX and SlaveRx columns |
| Data Transmission (RJ45 in each column) | TCP-IP 10/100 Base-T ModBus TCP |
| Integrated Platforms | Direct: Genetec, HyperPower Via HyperPower: Geutebrueck, Milestone, Winguard, Lensec |
| Auxiliary INPUT | 2 in each column |
| Auxiliary O.C. OUTPUT | 2 in each column |
| Configuration Tools | Web-browser for barrier communication and configuration setup Software (Windows® based) for barrier parameters setting and diagnostic |
| Electro magnetic compatibility | In compliance with European standards (FCC pending) |
| Warranty | Comprehensive 2 years warranty on HW and SW |

P/N & ACCESSORIES

Pre-assembled ABSOLUTE PRO™ barriers:

| | |
|--------------|--|
| IMTDT050/2.0 | ABSOLUTE PRO™ Digital IP Native Dual Technology Barrier (MasterTX+SlaveRX). Supplied preassembled, is equipped with 3 Digital bi-directional IR Beams (expandable to 4), 1 Digital Microwave and its Analysis unit with integrated web-server. Columns height 2.0m Maximum Outdoor Range 50m |
| IMTDT050/2.5 | ABSOLUTE PRO™ Digital IP Native Dual Technology Barrier (MasterTX+SlaveRX). Supplied preassembled, is equipped with 4 Digital bi-directional IR Beams (expandable to 6), 1 Digital Microwave and its Analysis unit with integrated web-server. Columns height 2.5m Maximum Outdoor Range 50m |
| IMTDT050/3.0 | ABSOLUTE PRO™ Digital IP Native Dual Technology Barrier (MasterTX+SlaveRX). Supplied preassembled, is equipped with 5 Digital bi-directional IR Beams (expandable to 8), 1 Digital Microwave and its Analysis unit with integrated web-server. Columns height 3.0m Maximum Outdoor Range 50m |
| IMTDT200/2.0 | ABSOLUTE PRO™ Digital IP Native Dual Technology Barrier (MasterTX+SlaveRX). Supplied preassembled, is equipped with 3 Digital bi-directional IR Beams (expandable to 4), 1 Digital Microwave and its Analysis unit with integrated web-server. Columns height 2.0m Maximum Outdoor Range 200m |
| IMTDT200/2.5 | ABSOLUTE PRO™ Digital IP Native Dual Technology Barrier (MasterTX+SlaveRX). Supplied preassembled, is equipped with 4 Digital bi-directional IR Beams (expandable to 6), 1 Digital Microwave and its Analysis unit with integrated web-server. Columns height 2.5m Maximum Outdoor Range 200m |
| IMTDT200/3.0 | ABSOLUTE PRO™ Digital IP Native Dual Technology Barrier (MasterTX+SlaveRX). Supplied preassembled, is equipped with 5 Digital bi-directional IR Beams (expandable to 8), 1 Digital Microwave and its Analysis unit with integrated web-server. Columns height 3.0m Maximum Outdoor Range 200m |
| IMTDT200/4.0 | ABSOLUTE PRO™ Digital IP Native Dual Technology Barrier (MasterTX+SlaveRX). Supplied preassembled, is equipped with 6 Digital bi-directional IR Beams (expandable to 12), 1 Digital Microwave and its Analysis unit with integrated web-server. Columns height 4.0m Maximum Outdoor Range 200m |
| IMTDTPACK | Installation pack that Includes special filters for IR Beams alignment. Connector for MW alignment and 1 USB flash Drive containing instruction manuals and configuration SW |

Mounting Accessories:

| | |
|---------|---|
| IME207* | Base for ground mounting for IMTDTXXX/2.0 |
| IME208* | Reinforced base for ground mounting for IMTDTXXX/2.5, IMTDTXXX/3.0 and IMTDT200/4.0 |

*Stainless Steel for hazardous environments available on request (AISI 316)

Barrier Upgrades:

| | |
|----------|--|
| IMT242 | Additional Digital bi-directional IR Beam module (MasterTX + SlaveRX). Factory preassembled |
| IMN230RS | Additional Digital Microwave module for IMTDT200/4.0 |
| IMT251 | Anti-crawling Doppler unit (To be used only in Starting and/or Ending Columns or where barriers overlap is not feasible) |
| IME205 | Anti-climbing Top-cover |

Power Supplies:

| | |
|-----------------|-------------------------------|
| BEA1224ALIEX | Power-supply 230V-12VDC/24VAC |
| BEA1224ALIEXUSA | Power-supply 110V-12VDC/24VAC |

Additional Options:

| | |
|------------|---|
| IMTOVP100M | Overvoltage protection 10/100M Ethernet, PE terminal galvanically isolated. Supplied preassembled and connected to IMT245 built-in Analysis unit. |
| IMERES | PTC Heater with temperature sensor for critical environments (from -25C° up to -40C°) |
| IMTPAINT | Columns special painting |

Licenses:

| | |
|-----------|--|
| IMTMOD | License for unlocking data transmission over Modbus TCP for 1 set of ABSOLUTE PRO™ |
| CMHPDRIMT | License for unlocking 1 set of ABSOLUTE PRO™ in HyperPower™ Security Management System. Includes barrier full control and real time diagnostic |
| IMTGEN8 | Sicurit-Genetec Gateway supporting up to 8 set of IMT barrier series (ABSOLUTE PRO and/or AVANTGARDE) |
| IMTGEN24 | Sicurit-Genetec Gateway supporting up to 24 set of IMT barrier series (ABSOLUTE PRO and/or AVANTGARDE) |
| IMTGEN128 | Sicurit-Genetec Gateway supporting up to 8 set of IMT barrier series (ABSOLUTE PRO and/or AVANTGARDE) |

More options and accessories available. Contact your SICURIT representative for more information

AVANTGARDE™

THE IP IR BEAM BARRIER



WHAT IS AVANTGARDE™

Avantgarde™ is a high security fully digital modular IR beam barrier designed for long range outdoor surveillance (up to 200m coverage between transmitter and receiver unit).

Avantgarde™ is virtually available in any size in terms of column height and number of IR beams which are directly related to the security degree required.

Thanks to the internal integrated web-server, Avantgarde™ can be easily configured, controlled and diagnosed remotely via ethernet connection.

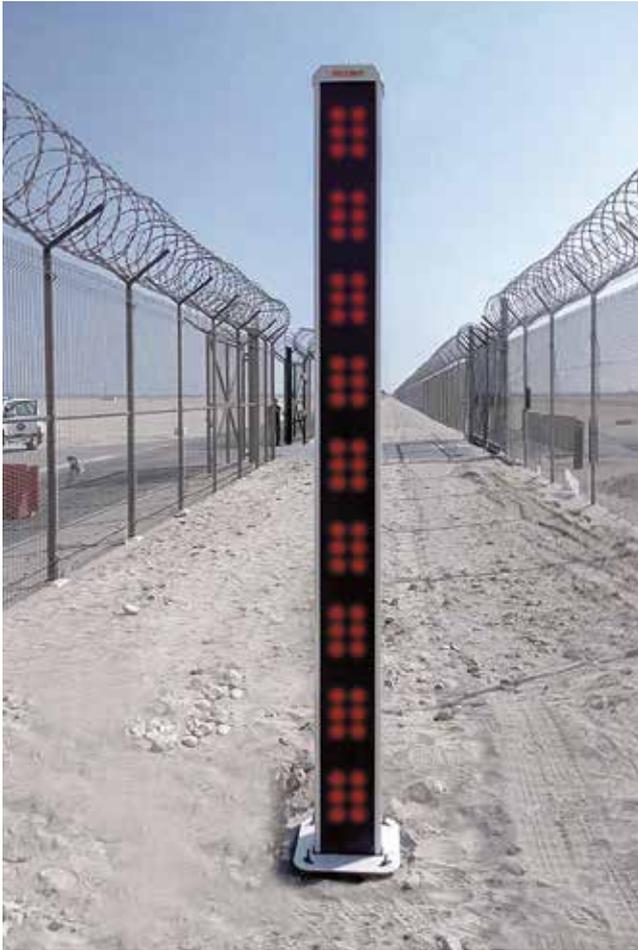
Avantgarde™ is also available for wall-mounting applications to detect climbing over concrete/brick walls intrusion attempts.



5DS



IMTIR200



BARRIER SPECS

- | Outdoor Range: up to 200m
- | Detection Mode: IR (5DS)
- | Alarm Response Time: from 30ms
- | Operating Temperatures: -40°C to 75°C

SUPPORTED PROTOCOLS

- | TCP/IP
- | ModBus TCP

SUPPORTED PLATFORMS

- | HyperPower™ (SICURIT SMS)
- | Genetec™ Security Center
- | API available on request



IP NATIVE

| Codes & Features | IMTIR200/2.0 | IMTIR200/2.0S | IMTIR200/2.5 | IMTIR200/2.5S | IMTIR200/3.0 | IMTIR200/3.0S |
|--------------------|---|---------------|--------------|---------------|--------------|---------------|
| Outdoor Range | up to 200m | | | | | |
| Columns Height* | 2.0m | | 2.5m | | 3.0m | |
| IR Beams (default) | 3 | 4 | 4 | 5 | 5 | 6 |
| IR Beams (max) | 5 | 5 | 7 | 7 | 9 | 9 |
| EMC | In compliance with European standards (FCC pending) | | | | | |
| Operating Temp. | -25°C / +75°C (-40°C with dedicated PTC heater) | | | | | |
| Power Supply | 12VDC ±15% and 12VAC ±20% | | | | | |

* Modular construction enables beams to be fitted in virtually any configuration and column sizes (up to 6m.)

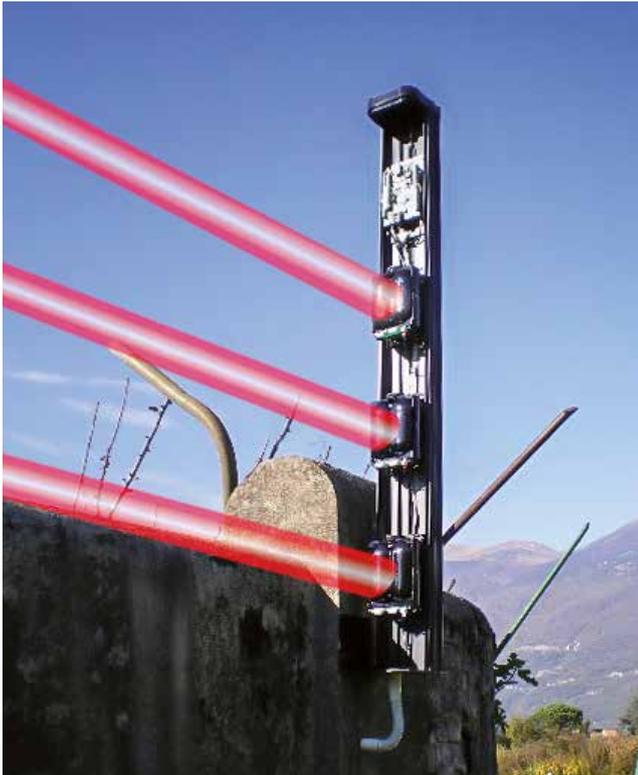


| Alarm monitoring & System diagnostic

IMTIR200WM

How to secure sites surrounded by concrete walls (that contrary to metal fences can't be secured with typical fence mounted sensors or sensor cables) against climbing over intrusion attempts?

With AVANTGARDE™, a fence on top of walls will be created "virtually", by means of short and discrete IR Beam barriers tailored for this application.



BARRIER SPECS

- | Outdoor Range: up to 200m
- | Detection Mode: IR (5DS)
- | Alarm Response Time: from 30ms
- | Operating Temperatures: -40°C to 75°C

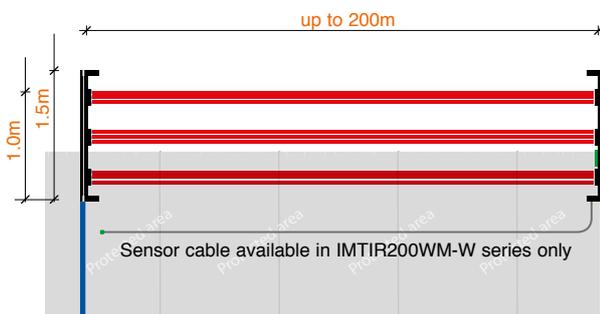
SUPPORTED PROTOCOLS

- | TCP/IP
- | ModBus TCP

SUPPORTED PLATFORMS

- | HyperPower™ (SICURIT SMS)
- | Genetec™ Security Center
- | API available on request

| Codes & Features | IMTIR200/1.0WM | IMTIR200/1.5WM |
|--------------------|---|----------------|
| Outdoor Range | up to 200m | |
| Columns Height | 1.1m | 1.5m |
| IR Beams (default) | 2 | 3 |
| Sensor Cable | NO | |
| EMC | In compliance with European standards (FCC pending) | |
| Operating Temp. | -25°C / +75°C (-40°C with dedicated PTC heater) | |
| Power Supply | 12VDC ±15% and 12VAC ±20% | |



| Alarm monitoring & System diagnostic

IMTIR200WM-W

Looking for extended protection to detect attempts to break through the wall?

Avantgarde WM-W series is equipped with Sicurit Wallguard VIBRO sensor cable technology which, mounted on the wall along the barrier-protected zone, will trigger an individual alarm in case of wall penetration attempts..



BARRIER SPECS

- | Outdoor Range: up to 200m
- | Detection Mode: IR (5DS) / **Sensor cable**
- | Alarm Response Time: from 30ms
- | Operating Temperatures: -40°C to 75°C

SENSOR CABLE SPECS

- | Max Cable Length: typically up to 200m
- | Alarm Transmission: via IMT protocol
- | Operating Temperatures: -40°C to 80°C

SUPPORTED PROTOCOLS

- | TCP/IP
- | ModBus TCP

SUPPORTED PLATFORMS

- | HyperPower™ (SICURIT SMS)
- | Genetec™ Security Center
- | API available on request

| Codes & Features | IMTIR200/1.0WM-W | IMTIR200/1.5WM-W |
|--------------------|---|------------------|
| Outdoor Range | up to 200m | |
| Columns Height | 1.1m | 1.5m |
| IR Beams (default) | 2 | 3 |
| Sensor Cable | YES | |
| EMC | In compliance with European standards (FCC pending) | |
| Operating Temp. | -25°C / +75°C (-40°C with dedicated PTC heater) | |
| Power Supply | 12VDC ±15% and 12VAC ±20% | |

5DS



PRODUCT SPECIFICATIONS



AVANTGARDE™ THE IP IR BEAM BARRIER

Featuring



5Ds



| FEATURES | DESCRIPTIONS |
|---|--|
| Outdoor Range | Up to 200m |
| Columns Height | 1.0/1.5m (wall mounting) 2/2.5/3.0m (ground mounting) |
| Column Dimensions (mm.) | 155(W) x 166(P) x (H) |
| Base Dimensions (mm.) | 280 x 280 (BET040) |
| Column IP rating | IP55 |
| Number of IR Beams | Minimum 3 up to 18 (Depending on columns height) |
| IR Beam wavelength | 940nm |
| IR Beam Synchronism | Optical (+ TCP/IP Checksum) |
| Alarm response time | From 30ms up to 1000ms (selectable for each Beam + Multiple alarm intrusion scenarios) |
| Probability of detection (POD) | Greater than 95% (in relation to the number of IR beam modules) |
| H/V Beam adjustments | ±10° (H) and ±10° (V) |
| Power Supply | 12VDC ±15% and 24VAC ±20% (Anti-mist heaters) 110/230V with BEA1224ALIEX or BEA1224ALIEX-USA |
| IR Beam consumption (12V) | 75mA (each column) |
| Heater consumption (24V) | 220mA (each IR Beam in column) |
| Operating Temperatures | From -25°C to +75°C From -40°C to +75°C with IMERES module |
| Relative Humidity | 5 up to 95% |
| Alarm Output | C form Contact Relay Outputs on MasterTX and SlaveRX columns |
| Tamper Output | N.C. Contact switch on MasterTX and SlaveRX columns |
| Data Transmission (RJ45 in each column) | TCP-IP 10/100 Base-T ModBus TCP |
| Integrated Platforms | Direct: Genetec, HyperPower Via HyperPower: Geutebrueck, Milestone, Winguard, Lensec |
| Auxiliary INPUT | 2 in each column |
| Auxiliary O.C. OUTPUT | 2 in each column |
| Configuration Tools | Web-browser for barrier communication and configuration setup Software (Windows® based) for barrier parameters setting and diagnostic |
| Electro magnetic compatibility | In compliance with European standards (FCC pending) |
| Warranty | Comprehensive 2 years warranty on HW and SW |

P/N & ACCESSORIES

Pre-assembled AVANTGARDE™ barriers:

| | |
|------------------|--|
| IMTIR200/1.0WM | AVANTGARDE™ Digital IP Native IR Beam Barrier (MasterTX+SalveRX) for wall mounting applications. Supplied preassembled, is equipped with 2 Digital bi-directional IR Beams and its Analysis unit with integrated web-server. Columns height 1.0m Maximum Outdoor Range 200m |
| IMTIR200/1.5WM | AVANTGARDE™ Digital IP Native IR Beam Barrier (MasterTX+SalveRX) for wall mounting applications. Supplied preassembled, is equipped with 3 Digital bi-directional IR Beams and its Analysis unit with integrated web-server. Columns height 1.5m Maximum Outdoor Range 200m |
| IMTIR200/1.0WM-W | AVANTGARDE™ Digital IP Native IR Beam Barrier (MasterTX+SalveRX) for wall mounting applications with integrated wall breakthrough sensor cable. Supplied preassembled, is equipped with 2 Digital bi-directional IR Beams and its Analysis unit with integrated web-server. Columns height 1.0m Maximum Outdoor Range 200m |
| IMTIR200/1.5WM-W | AVANTGARDE™ Digital IP Native IR Beam Barrier (MasterTX+SalveRX) for wall mounting applications with integrated wall breakthrough sensor cable. Supplied preassembled, is equipped with 3 Digital bi-directional IR Beams and its Analysis unit with integrated web-server. Columns height 1.5m Maximum Outdoor Range 200m |
| IMTIR200/2.0 | AVANTGARDE™ Digital IP Native IR Beam Barrier (MasterTX+SalveRX) for ground mounting applications. Supplied preassembled, is equipped with 3 Digital bi-directional IR Beams and its Analysis unit with integrated web-server. Columns height 2.0m Maximum Outdoor Range 200m |
| IMTIR200/2.5 | AVANTGARDE™ Digital IP Native IR Beam Barrier (MasterTX+SalveRX) for ground mounting applications. Supplied preassembled, is equipped with 4 Digital bi-directional IR Beams and its Analysis unit with integrated web-server. Columns height 2.5m Maximum Outdoor Range 200m |
| IMTIR200/3.0 | AVANTGARDE™ Digital IP Native IR Beam Barrier (MasterTX+SalveRX) for ground mounting applications. Supplied preassembled, is equipped with 5 Digital bi-directional IR Beams and its Analysis unit with integrated web-server. Columns height 3.0m Maximum Outdoor Range 200m |
| IMTIRPACK | Installation pack that Includes special filters for IR Beams alignment and 1 USB flash Drive containing instruction manuals and configuration SW |

Mounting Accessories:

| | |
|--------|---|
| BET040 | Base for ground mounting for IMTIR200/2.0 |
| BET042 | Reinforced support for BET040 recommended for IMTIR200/2.5 and mandatory for IMTIR200/3.0 |
| BET045 | 3-side universal bracket for wall mounting applications |

Barrier Upgrades:

| | |
|--------------------|---|
| IMT242 | Additional Digital bi-directional IR Beam module (MasterTX + SlaveRX). Factory preassembled |
| BEC205 | Anti-climbing Top-cover |
| FLEXCBVB50/100/200 | Vibro sensor cable (50, 100, 200m) for IMTIR200/X.XWM-W only |

Power Supplies:

| | |
|-----------------|-------------------------------|
| BEA1224ALIEX | Power-supply 230V-12VDC/24VAC |
| BEA1224ALIEXUSA | Power-supply 110V-12VDC/24VAC |

Additional Options:

| | |
|------------|---|
| IMTOVP100M | Overvoltage protection 10/100M Ethernet, PE terminal galvanically isolated. Supplied preassembled and connected to IMT245 built-in Analysis unit. |
| IMERES | PTC Heater with temperature sensor for critical environments (from -25C° up to -40C°) |
| IMTPAINT | Columns special painting |

Licenses:

| | |
|-----------|--|
| IMTMOD | License for unlocking data transmission over Modbus TCP for 1 set of AVANTGARDE™ |
| CMHPDRIMT | License for unlocking 1 set of AVANTGARDE™ in HyperPower™ Security Management System. Includes barrier full control and real time diagnostic |
| IMTGEN8 | Sicurit-Genetec Gateway supporting up to 8 set of IMT barrier series (ABSOLUTE PRO™ and/or AVANTGARDE™) |
| IMTGEN24 | Sicurit-Genetec Gateway supporting up to 24 set of IMT barrier series (ABSOLUTE PRO™ and/or AVANTGARDE™) |
| IMTGEN128 | Sicurit-Genetec Gateway supporting up to 8 set of IMT barrier series (ABSOLUTE PRO™ and/or AVANTGARDE™) |

More options and accessories available. Contact your SICURIT representative for more information

Product certifications



PRODUCT APPROVED
(NATO SUPPLY CLASS: 6350 NIN: 150156991)

SECURITY MANAGEMENT SYSTEM



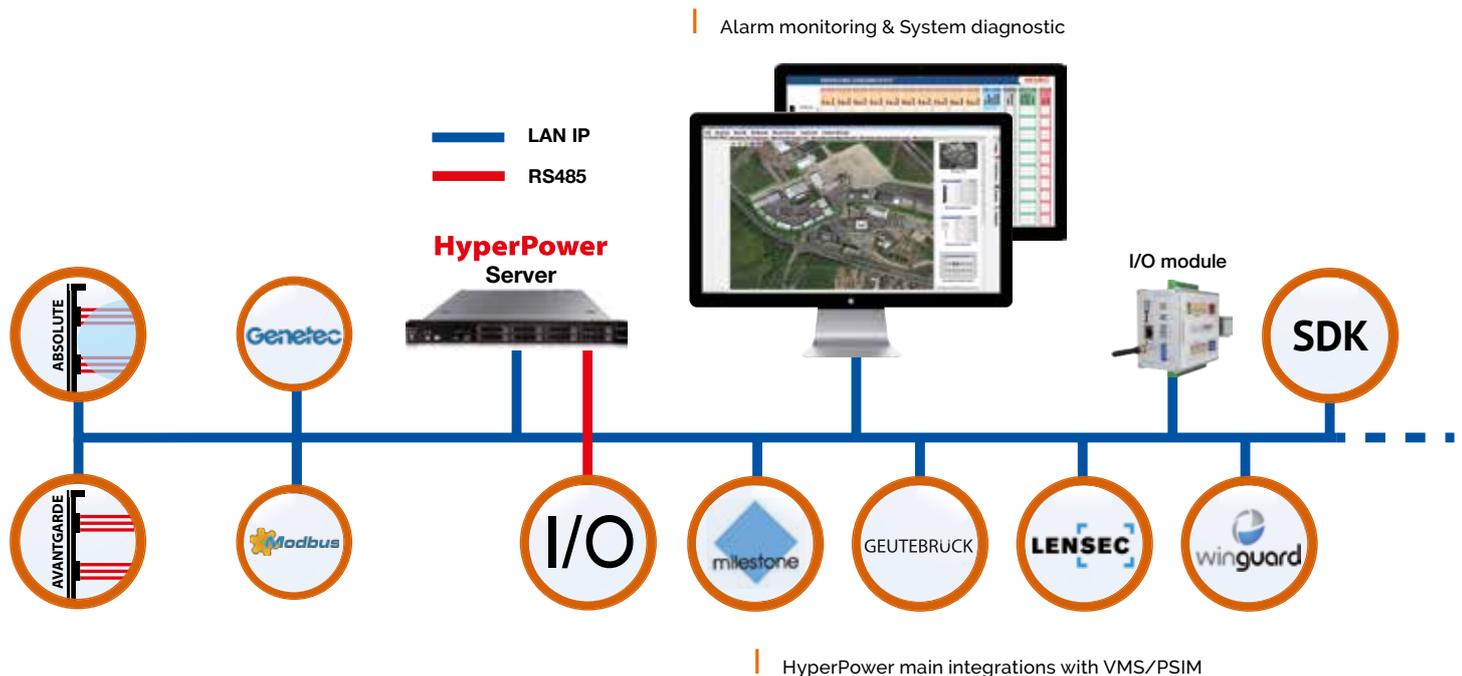
HYPERPOWER™ SMS

HyperPower™ is a Windows® based security management system (SMS) that provides to security operators a clear tool for properly managing the data coming from SICURIT IP Native barriers (and all perimeter protection products range) and any third party integrated devices.

POWERFUL GRAPHIC UNIT INTERFACE

HyperPower™ employs advanced software technology to enable the system easily handling the huge amount of data received from its peripherals. System administrators can easily configure arm/disarm functions, user codes, time zone access, level of access, user group and touch screen terminals time restrictions and define any kind of alarm reactions.

High resolution images based on satellite pictures, sitemaps and CAD drawings can be easily incorporated as well as text acknowledgment and real-time active icons that clearly indicates device location and status.



KEY BENEFITS

- | Built on a client-server architecture which offers a central shared database between multiple clients
- | Displays precise intrusion alarm locations and information
- | Fully interactive mapping with secure communications and simple graphical configuration
- | Complete diagnostic supervision of SICURIT IP Native barriers Absolute PRO™ and Avantgarde™
- | Manages multiple sites with a single Graphical User Interface (GUI)
- | Supports dry contacts and digital input/output connections via RS485 or IP interfaces
- | Supports remote touch-screen terminals and access control devices



ADVANCED NETWORKING SOLUTIONS

*« Speed does not help if you run
in the wrong direction » (cit.)*

INDUSTRIAL MANAGED SWITCHES

IP Network infrastructures are vital for fast and safe data communication within connected devices and requires best practices for their deployment

SICURIT has carefully selected the best European companies to work with, thus making our customers a choice of the best proven high-end products and solutions available in the market.



MAIN ADVANTAGES:

- | A wide variety of models with COMBO, SFP, gigabit and fast ethernet ports.
- | Layer 2/3 switches optimised for security and automation solutions.
- | Network redundancy with LAN-RING technology
- | Highly durable hardware with integrated overvoltage protections
- | Operating temperatures: from -40°C to +70°C
- | Compatible with existent 3rd party architectures
- | Integrated IP Watchdog



ETHERNET I/O MODULES

Need to remote alarm outputs without additional cabling? Need to back up data using wireless solutions?

SICURIT make uses of a wide range of Network PLC's with unparalleled performances supporting a wide variety of digital I/O and relays Outputs that can be transmitted also via GPRS/UMTS/4G mobile networks



MAIN ADVANTAGES:

- | Modular Solution to meet customer requirements
- | Support a wide variety of communications protocols (E.g. Modbus, M-Bus, RS485, RS232...)
- | High security guaranteed by SSH, openVPN, SNMPv3, 802.1X
- | Optimized for off-the-grid security requirements
- | Operating temperatures: from -40°C to +70°C
- | Integrated IP Watchdog



OVERVOLTAGE PROTECTIONS

FEATURES:

- | Industrial Design
- | Two-stage protections
- | PE terminal galvanically isolated
- | Operating temperatures: from - 40°C to +70°C



MAIN REFERENCES

- ✓ Italy
- ✓ Czech Republic
- ✓ Spain
- ✓ France
- ✓ Belgium
- ✓ Denmark
- ✓ Germany
- ✓ Estonia
- ✓ Poland
- ✓ Romania
- ✓ Croatia
- ✓ Serbia
- ✓ Greece
- ✓ Bielorussia
- ✓ Ukraine
- ✓ Russia
- ✓ Saudi Arabia
- ✓ Kuwait
- ✓ UAE
- ✓ Morocco
- ✓ Iran
- ✓ Nigeria
- ✓ India
- ✓ China
- ✓ South Korea
- ✓ Japan
- ✓ Singapore
- ✓ Thailand
- ✓ USA
- ✓ Canada

SICURIT

PERIMETER PROTECTION SYSTEMS

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