WTMD

peo DETECTION

Table of contents

CEIA **3**

SMD®600 Plus-MI2 4
SMD®601 Plus 5
PMD2 Plus 6
PMD2 Plus Elliptic® 7
PMD2 Plus/EZHD 8
SMD®601 Plus Loss Prevention 9
Classic Metal Detector 10
CEIA SMD 600 plus 11
MSD Magnetic Static Detector – CEIA 13
HI-PE Plus Multi-Zone Metal Detector – CEIA 14

3DX-RAY **15**

AXIS™ Archway Metal Detectors 17

← Back to Table of Contents

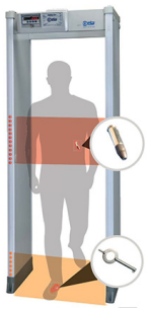
Partner CEIA

CEIA is a global leader in security screening technologies, specializing in Explosive Trace Detectors (ETDs), Handheld Metal Detectors, and Walk-Through Metal Detectors (WTMDs). Their solutions are engineered to deliver high-performance threat detection across a wide range of security environments.

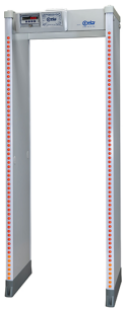
Product offering

SMD®600 Plus-MI2

SMD®601 Plus



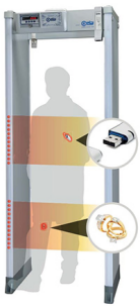
PMD2 Plus



PMD2 Plus Elliptic®

PMD2 Plus/EZHD

SMD®601 Plus Loss Prevention



Classic Metal Detector

CEIA SMD 600 plus

MSD Magnetic Static Detector - CEIA

HI-PE Plus Multi-Zone Metal Detector - CEIA

SMD®600 Plus-MI2

Combined Ferromagnetic and active Metal Detector
The SMD®600 Plus – MI2™ is optimized for the screening of people in applications where simultaneous detection of all metal (magnetic and non-magnetic) firearms and cellphone/smartphone devices, including the most miniaturized, low metal content versions, is required along with high-throughput and a low nuisance alarm rate.

Very High Performance Enhanced Walk-Through Metal Detector

- Detection of all-metal weapons, including light alloys threats
- High-Throughput
- Multizone red signaling

Cell phones detector

- Detection of standard and miniaturized cell phones and smartphones
- Detection of magnetized items
- Multizone yellow signaling

Applications

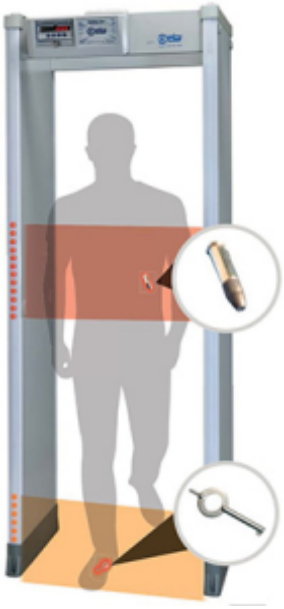
- Correctional facilities
- Data-sensitive meeting rooms
- Access restrictions enforcement of weapons, cell phones and smartphones
- Loss prevention of electronics devices
- Corporate anti-espionage

The new SMD®600 PLUS – MI2™ combines:

- The well renowned weapons detection and personal metallic objects discrimination performances of the CEIA SMD®600 Plus, 288-channel, NIJ0601.02 fully compliant Walk-Through Metal Detector (WTMD).
- The cellphone/smartphone detection and discrimination capabilities of the new CEIA MSD EVO™, state-of-the-art magnetostatic 18-axes detector that provides unparalleled detection uniformity and immunity against interferences.

On its own, the CEIA SMD®600 Plus WTMD is already a complete and efficient solution for the high-sensitivity detection of any metal weapon and any cellphone/smartphone in applications, such as the correctional facilities, where the inmates to be inspected are metal free or almost metal-free.

SMD®601 Plus



The SMD®601 Plus is a very high sensitive Walk-Through Metal Detector. A full-height light bar displays the location of the detected metal masses in transit. This results in rapid identification of threats and a reduction or elimination of the need for manual searches. SMD®601 Plus detects even the smallest metal items anywhere on or in the body.

Fully compliant with the NIJ-0601.02 and NIJ-0601.03 standards

The SMD®601 Plus further extends the detection sensitivity of the previous SMD®601 to metal threats before considered undetectable due to their minimal dimensions and metal composition similar to the ones specified in the new NIJ-0601.03 Standard.

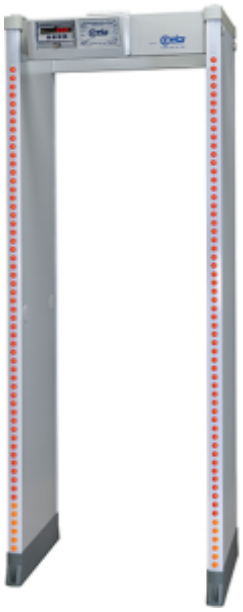
Accurate detection of all metallic threat items

- Very accurate pinpointing of individual and multiple metal targets
- Quick, accurate analysis of all parts of the body of people in transit, from the shoe level to the crossbar
- Built-in programs to screen visitors and staff for weapons and contraband

New certified ip66 control unit enclosure

- Total compatibility with previous control units
- Robust structure through the use of high-performance polymers for the construction of housing
- Waterproof / Dustproof: IP66 compliant (IEC 60529)
- Exceptional impact resistance at low and high temperatures and resistance to corrosion from atmospheric agents
- Display made with specific polymer to improve the visibility of the LEDs by increasing the definition and clarity

PMD2 Plus



Strict requirements and detection needs call for security checkpoints to perform efficiently even under very challenging conditions. The PMD2 Plus detects fi rearms and knives, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition.

Most powerful and versatile security features

Up to 50 built-in Security Programs:

- Up to 30 International Standards
- Up to 20 Customizable Levels

Setting the Security Levels could not be easier and more versatile than in the PMD2 Plus.

Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own program and save it in internal memory for later use.

Chip Card system for fast, simple and secure parameter changes (i.e. alarm volume and tone, counter reading, etc. and security level selection.

One unique characteristic of the CEIA metal detectors is the chip-card system, which allows Security Management to set the Security Level quickly, reliably and without having to program the device in any way.

Any security standard can be enhanced with selectable random alarm probability.

PMD2 Plus Elliptic®

This is a zonal model featuring modern, elegant lines, and can be inserted into the most prestigious surroundings with the minimum visual impact. Easy to assemble and transport, the PMD2 Plus Elliptic® is also recommended for portable use in temporary or itinerant installations. The technology employed allows high discrimination to be achieved even at stringent security levels.

Most powerful and versatile security features

Up to 50 built-in Security Programs:

- Up to 30 International Standards
- Up to 20 Customizable Levels

Setting the Security Levels could not be easier and more versatile than in the PMD2 Plus.

Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own program and save it in internal memory for later use.

Chip Card system for fast, simple and secure parameter changes (i.e. alarm volume and tone, counter reading, etc. and security level selection.

One unique characteristic of the CEIA metal detectors is the chip-card system, which allows Security Management to set the Security Level quickly, reliably and without having to program the device in any way.

Any security standard can be enhanced with selectable random alarm probability.

PMD2 Plus/EZHD

Strict requirements and detection needs call for security checkpoints to perform efficiently even under very challenging conditions. The PMD2 Plus/EZHD detects fi rearms and knives, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition. The PMD2 Plus/EZHD has a very low nuisance alarm rate even at the strictest Security Standards requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

Detection of all metallic threat items

- Capability to detect the full range of metal weapon threats even within body cavities
- Quick, accurate analysis of all parts of the body of people in transit, from the shoe level to the crossbar
- Guaranteed coverage for all orientations and locations, never in need of calibration
- Met-Identity technology for Identification of Threat Composition

High discrimination & throughput

- Cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow
- No need to remove items such as belts, coins, keys, jewelry, watches, wallets, etc.
- Better Discrimination = Shorter Lines and Less Staffing

SMD®601 Plus Loss Prevention

The SMD®601 Plus Loss Prevention Metal Detector prevents the theft or accidental removal of metallic objects. As people transit the system, their metal content is compared to a saved personal profile.

Quick, accurate analysis of all parts of the body of people in transit

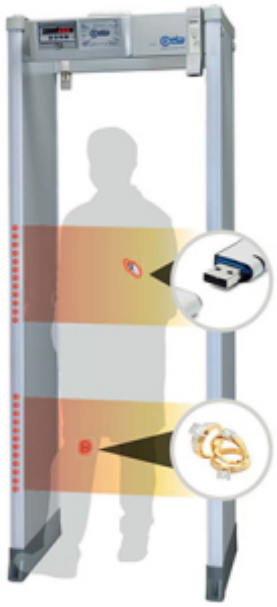
The superior uniformity of the electromagnetic field of the SMD®601 Plus Metal Detector provides very consistent metal detection readings on every transit.

This ground-breaking capability allows for individual creation of personal metallic signatures or metallic “profiles”.

True metal content profile for the person being screened

These profiles can be taken while the individual may be wearing non-removable items, like dental works, medical implants, wedding rings and piercings, and are stored in the SMD®601 Plus embedded data base.

These personal profiles are used as a reference for every transit carried out by an individual, allowing detection of small targets while ignoring non-removable personal objects.



Classic Metal Detector

The column construction, both attractive and compact, allows it to be inserted with ease into public environments such as, for example, schools and discotheques.
The Classic Metal Detector has an extremely competitive price/performance ratio.

The Classic is a Walk Through Metal Detector designed and engineered to meet the specific security needs of public facilities such as schools, hotels, amusement parks and city halls.

The Classic Metal Detector combines the required Security with a high level of operating efficiency. The leading edge technology features a **high flow rate of people through the gate with the minimum number of nuisance alarms**, as personal effects such as coins, keys and belt buckles can pass through the magnetic field without causing an alarm.

The Classic Metal Detector is **compact and lightweight**, making this portable unit adaptable to any surroundings. The patented cylinder design is aesthetically suitable for the most discrete applications.

This security equipment does not require any special training for normal use, making this **the most user friendly Walk Through Metal Detector in the industry**.

CEIA Metal Detectors have been selected by the leading security agencies worldwide to protect highranking government officials and schools. The Classic **conforms to all International Security Standards** and is capable of detecting both magnetic and non-magnetic weapons.

When security, operating efficiency and affordable pricing are required, the CEIA Classic Metal Detector is the obvious solution.

CEIA SMD 600 plus

A high sensitivity Metal Detector that offers characteristics of high discrimination and high detection uniformity.

The SMD 600 plus realizes a quick, accurate analysis of all parts of the body of people in transit, from the shoe level to the crossbar. This metal detector accurately pinpoints individual and multiple metal targets with built-in programs to screen visitors and staff for weapons and contraband.

CEIA’s cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow with four multi-zone display bars. Each programmable as entry Stop/Go and/or local alarm indication.It is developed with a flexible acoustic alarm signaling system (10 continuous and pulsed tones, 34 special sounds) and 10 alarm volume levels.

The SMD 600 plus has up to 50 built-in security programs: 30 International Standards, 20 with customizable levels. It has a chip card system for fast, simple and secure parameter changes (i.e. alarm volume and tone, counter reading, etc) and security level selection. Any security standard can be enhanced with a selectable random alarm probability.

Characteristics

- Very High Sensitivity
- Excellent discrimination of personal metal effects
- Fully compliant with, and exceeding, the NIJ-0601.02 Standard
- Very high throughput in high security public screening checkpoints
- Exceptional Immunity to external interferences
- High precision bidirectional counter with automatic rescreening compensation

Advantages

- Continuous self diagnostic system
- Proven reliability
- No periodic re-calibration and preventive maintenance required
- No scheduled maintenance
- Fully digital design
- State-of-the-art, robust and washable panels

- Protected against aging, weather and wear
- Ergonomic and robust design
- High visibility alphanumeric display and programming keyboard
- Made of advanced plastics or stainless steel and anti-vandalism construction (option)
- Access to the front panel protected by hardware key and 3 levels of passwords

MSD Magnetic Static Detector – CEIA

Highly Portbale Cell Phone Detector

The illegal use of cell phones is a growing and dangerous problem in correctional institutions worldwide. These devices are a significant threat to prison security and circumvent the monitoring processes in prisons, while allowing inmates to commit new crimes both inside and outside the facility. The MSD was specifically designed to detect all cell phones and ferrous contraband concealed on the person or in body cavities (including key fob cell phones, smart phones, radio transceivers, etc.) quickly and easily. The one-piece design allows the MSD to be easily transported and operational in 10 seconds.

Advantages

Video

- detection of magnets and ferromagnetic metals
- carrying case for personal transport and storage
- full-height, 360° detection (horizontal & vertical)
- 5 individual zones for pinpointing locations of contraband on the body
- covert operation through use of BT wireless communication headset
- fully weather proof for outdoor use
- 24 hours typical / 26 hours max. of continuous battery operation with 4.5 hours charge
- one-piece and lightweight design (total weight only 21 lbs with batteries included) easily transportable by one person
- unmatched detection in all environments without adjustment
- extremely durable design using stainless steel and high impact reinforced plastics
- anti-tip suction cups for securing to smooth floor surfaces (included)
- non-emitting device: safe for use for pace-makers and other medical implants
- throughput: 60+ people per minute (based on uninterrupted flow, separately alarms resolution)

Check the datasheet for specifications

Would you like more information or a demonstration?

HI-PE Plus Multi-Zone Metal Detector – CEIA

The HI-PE Plus walk-through metal detector provides accurate detection of all metals, high level of discrimination of non-threat items, full compliance with the latest Security Standards and exceptional immunity to external interferences.

The HI-PE Plus has a very low nuisance alarm rate even at the strictest Security Levels requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

Accurate detection of all metallic threat items

- Capability to detect the full range of metal weapon threats even within body cavities
- 60 localization zones: 20 vertical; 3 lateral
- Met-Identity technology for Identification of Threat Composition

The most advanced Security Standards require detection of all ferrous and non-ferrous metal weapons and of those constructed in special non-magnetic alloys. The HI-PE Plus detects firearms and knives of this type, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition. Inspection personnel thereby acquire thorough knowledge of the metal item and can act, according to procedures, with maximum effectiveness and security.

Most powerful and versatile security features

The metal detector has up to 50 built-in Security Programs:

- Up to 30 International Standards
- Up to 20 Customizable Levels

Setting the Security Levels could not be easier and more versatile than in the HI-PE Plus.

Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own program and save it in internal memory for later use.

Chip Card system for fast, simple and secure parameter changes (i.e. alarm volume and tone, counter reading, etc. and security level selection.

One unique characteristic of the CEIA metal detectors is the chip-card system, which allows Security Management to set the Security Level quickly, reliably and without having to program the device in any way.

Any security standard can be enhanced with selectable random alarm probability.

High discrimination and throughput

- Cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow
- No need to remove items such as belts, coins, keys, jewelry, watches, wallets, etc.
- Better Discrimination = Shorter Lines and/or Less Staffing

The transit volume magnetic scanning system, invented by CEIA and applied since production of the first zonal Metal Detectors in 1986, allows state-of-the-art detection and discrimination results.

The HI-PE Plus has a very low nuisance alarm rate even at the strictest Security Standards requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

New WTMDs IP66 Control Unit

- New integrated design
- Total mechanical compatibility with IP20 (plastic) and IP65 (stainless steel) control units:
  - Dimensional
  - Installation
  - Wiring
  - Chip card
- Robust structure through the use of high-performance polymers for the construction of housing
- Waterproof / Dustproof: IP rating IP66 compliant
- Exceptional impact resistance at low and high temperatures and resistance to corrosion from atmospheric agents
- Display made with specific polymer to improve the visibility of the LEDs by increasing the defi nition and clarity

Unique alarm signalling

- High visibility of the control unit and the zone indication independent from the operator position and the installation environment
- Flexible Acoustic Alarm Signaling System: 10 Continuous and Pulsed Tones; 34 Special Sounds
- 10 Alarm Volume Levels
- Very High Precision Transit Counter

Accurate signaling is essential for best operation and flow management. The detector provides the user with fully-programmable signaling. Both entry-points can indicate with a high level of accuracy, even simultaneously, the vertical and lateral areas of transit of the threats detected, and can also be configured as ’traffic lights’ to control transits through the detector.

Rapid installation

- One touch guided automatic installation (OTS)
- Innovative function assisting the installation through an automatic step-by-step procedure
- Continuous self diagnostics assures monitored performance reliability

If you want to read more about this detector, take a look at our partner’s site!

← Back to Table of Contents

Partner 3DX-RAY

3DX-RAY is a leading provider of advanced X-ray imaging and detection technologies, specializing in Direct Radiography systems and Walk-Through Metal Detectors (WTMD) for security and inspection applications. Their solutions are designed to deliver clear, accurate threat detection across a wide range of operational environments.

Product offering

AXIS™ Archway Metal Detectors

← Back to partner

Security Detection › WTMD

AXIS™ Archway Metal Detectors

PRODUCT DESCRIPTION

The AXIS™ archway systems are walk-through metal detectors with independent detection zones.

They work well for a variety of applications and are simple to install and use, such as:

- building entrances
- jails
- Airports
- Lobbies of hotels
- Banks
- Locations of events

FEATURES

- Highly sensitive digital walk-through metal detectors
- Choice of detection zones available
- Quick analysis of metal objects

3DX-RAY