

Stealth Metal Detector

WITHOUT BODYCHECK

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SNAAPER-DP SYSTEM is an innovative solution for detecting a CONCEALED METAL OBJECT inside an overcoat or a backpack WITHOUT BODY CHECK. SNAAPER-DP system can detect rifles, daggers and homemade bombs those made of iron material without inconvenience and awareness of visitors. SNAAPER-DP is a kind of stealth inspection system. The system uses two micro MAD sensor designed to be installed on a standard barrier post, and a DSP controller that embeds the superb signal processing algorithms for the accurate inspection process in the crowded urban city where many kind of magnetic noises exist. The system detects the movement of an iron object that are passing between two sensors. People does not feel any inconvenience at all, and also it gives the security guy very important information about visitors

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SNAAPER-DP

SNAAPER-DP system is designed for the use in a crowded urban city where many kind of magnetic noises exist. An ultra-precision magnetic sensor should be affected by a large-sized moving object such as an elevator, but SNAAPER-DP system has the unique compensator of analog-digital hybrid structure that cancel out the effect from the magnetic noises by elevators and iron doors in a building.

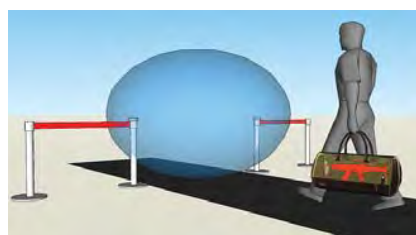


Key Features

- It consists of two precision magnetic sensors and a digital signal processing controller.
- The system forms an oval-shaped detection space between two sensors and calculates the size of the moving iron object inside a backpack.
- SNAAPER-DP system can easily detect the CONCEALED WEAPON inside an overcoat or a backpack which made of iron materials without body check.
- VIP and visitors cannot notice the security checking process, there is no waiting lines, and no unpleasant experiences without body check.
- It is a portable system that takes only 10 minutes to set up for a school, VIP meeting, museum, theater, and basketball game.
- A suicide terrorist cannot notice that he was just scanned, so securities earn the valuable time to suppress him at the safer place and the safer time.

Installation on a standard barrier pole

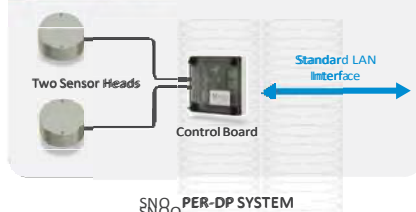
SNAAPER-DP system uses two of very precise magnetic sensor that has a similar sensitivity with the military SQUID sensor. Two sensor modules are designed to be installed on a standard barrier pole, so user can just carry two sensor heads and a DSP controller to the place where the sensor to be installed.



SNAAPER-DP SYSTEM forms the OVAL-SHAPED (blue area in the image) detection space between two sensors.

SNAAPER-DP system is the perfect portable metal detector

SNAAPER-DP with a small battery, two barrier poles and a notebook make up a perfect portable metal detector in an outdoor festival or a wedding ceremony in 10 min.



SNAAPER – the world’s smallest micro MAD sensor

SNAAPER is a micro version of MAD (Magnetic Anomaly Detector) sensor that is famous for SQUID sensor. SNAAPER has the special amplifying structure to detect nano-level perturbation of Earth magnetic field, and has its own DSP for signal processing to find out the meaningful tracks from raw noisy signals. MAGO technology is the world first company to commercialize this type of micro MAD sensor for the ground use. SNAAPER-DP system uses two of SNAAPER sensor.

Precision magnetic sensor in a crowded urban city

Because the output of a magnetic sensor is proportional to the moving iron size, a large size of iron object (such as a bus) can affect the sensor as a disturbance even the

bus is outside of the building. Also there might be several large iron moving objects act like disturbances such as elevators, escalators or iron doors.

Inside SNAAPER-DP SYSTEM, it has an unique signal processing technology that cancel out the magnetic noise from the large-sized moving object nearby such as an elevator, so our system can cover more wide area inside a building than that of other types of precision magnetic sensor (just keep the minimum distance for safely working, for example, 5 meters from an elevator.)



Various user friendly interface and embedded functions

SNAAPER-DP system can be easily interfaced to the conventional user's security check system by standard LAN interface with the SNAAPER protocols. Also our partner company (AXXON Soft., www.axxonsoft.com) can provide the security IP integration solution with SNAAPER-DP systems.

SNAAPER-DP can be used as a standalone security system with a notebook and a USB camera. The basic PC software of SNAAPER-DP has a function of taking pictures and making alarm when the size of the concealed iron object is beyond the predetermined threshold. This small portable standalone system outputs the size of the concealed iron object that passes between two sensor modules in real-time, and user can freely determine the threshold level of alarming for their own purpose.