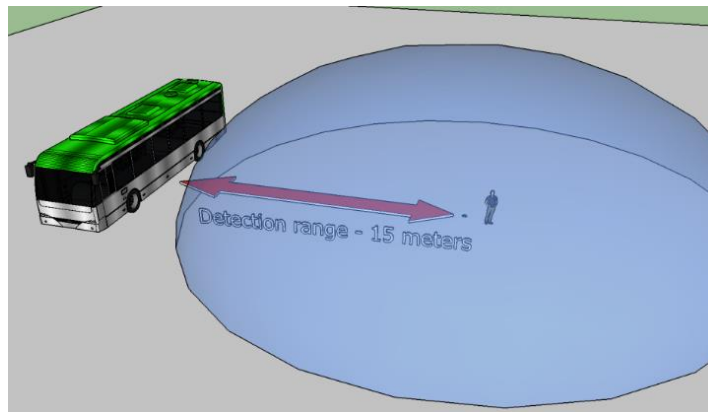# SNOOPER-DP   concealed weapon detector

✓ SNOOPER-DP system is an innovative solution for **detecting CONCEALED WEAPONS** such as rifles and daggers those made of ferrous materials inside backpacks or inner pockets.

✓ SNOOPER-DP system has a state of the art digital signal processing device that pick out the IRON object that moves between two SNOOPER sensors.

✓ The system is **PERPECT** for installing **inside a building** or indoor applications, it has a special hybrid structure to **cancel out the movement of a magnetic disturbance out of moving elevators or iron doors**. The system only detects the iron movement between two SNOOPER sensors.

✓ SNOOPER-DP sensor is designed for being installed on a standard barrier pole and can easily be connected to the user's conventional security system by a standard Ethernet LAN.

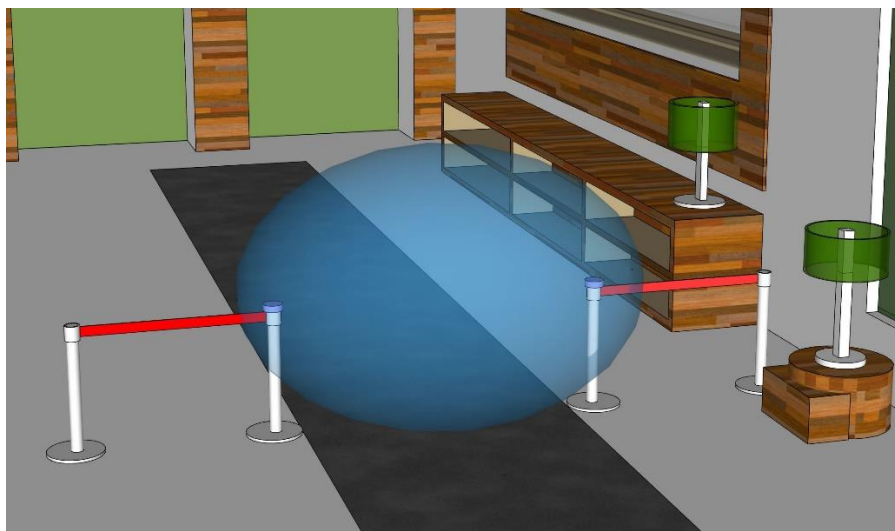| Key features |
|---|
| ➢ It consists of two precision magnetic sensors and a digital signal processing controller. |
| ➢ The system forms the **oval shape detection space** between two sensors and calculates the size of the moving iron objects inside a backpack. |
| ➢ People do not know about our security checking process, no waiting lines, and no unpleasant experiences. |
| ➢ It is a portable system that takes only 10 minutes to set up for school, VIP meeting, museum, theater, and basketball game. |

★ Detection range of a SNOOPER-DP system and magnetic disturbances

- The output of a precision magnetic sensor is **proportional** to the **SIZE** of the metallic object and **inversely proportional** to the **DISTANCE**.

- A large size of iron material (such as a bus) can affect the magnetic sensor as a disturbance even the bus is outside of the building. Also usually inside of a building, there might be several large iron moving objects act like **disturbances** such as elevators, escalators or iron doors.
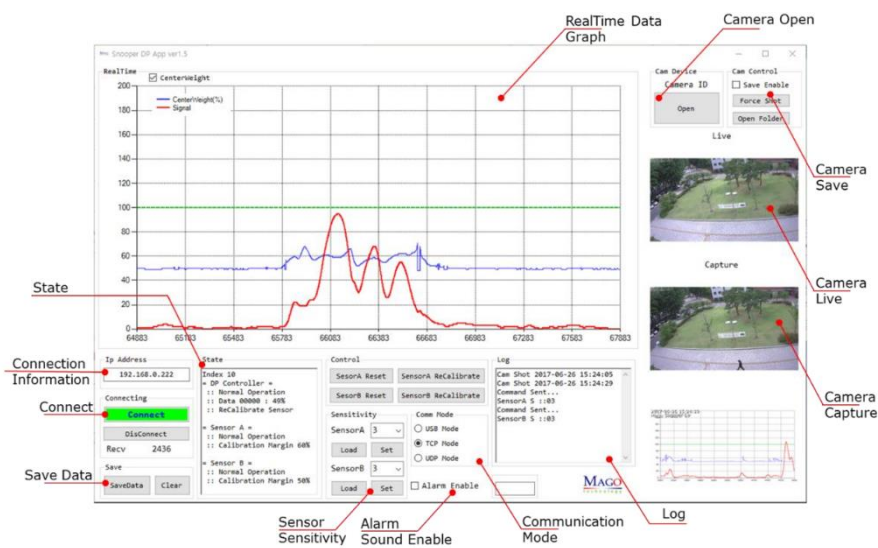

[The output signal is proportional to the size of the moving object when it has a same iron composition]

- Inside a SNOOPER-DP system, it has **an unique signal processing technology that cancel out the magnetic noise** from the large size moving object such as an elevator, so our system can cover more wide area inside a building than that of other types of magnetic sensor (but it needs the minimum distance for safely working, for example, 5 meters against an elevator.)

- SNOOPER-DP system forms the **OVAL-SHAPED** (blue area in the picture) detection space between two sensors and can detect the iron objects those are passing between two SNOOPER sensor.

Mago technology

Labels around the screenshot: RealTime Data Graph, Camera Open, Cam Device, Cam Control, Camera Save, Camera Live, Camera Capture, State, Connection Information, Connect, Save Data, Sensor Sensitivity, Alarm Sound Enable, Communication Mode, Log

- ✓ SNOOPER-DP system outputs the **SIZE** of the **concealed iron object** that passes between two sensor modules in real-time, and user can determine the threshold level of alarming for their own purpose.

- ✓ The app. of SNOOPER-DP has a function of **taking pictures** when the **size** of the concealed iron object is **beyond** the pre-determined threshold.

- ✓ SNOOPER-DP system can be easily interfaced to the conventional security check system by standard LAN interface with SNOOPER protocols.

Product summary

Parameters	Value	Unit
Supply Voltage	12	V
Supply Current	300	mA
Operating Temp.	-10 ~ 50	C
Output interface	LAN(TCP/IP)	-
Max. cable distance between sensors and a DP controller	Max. 15	m

Please contact to sales@magotec.com