

## Human Security Radar™

Current security measures protect only limited and most sensitive areas and cannot be deployed in mass transport systems, crowded areas or public venues. Human Security Radar (HSR) is developed and designed to improve people protection and **extend the security perimeter** without interfering with the people flow.



The system operates **automatically, remotely, covertly** and **in real time** without slowing down the people flow, no limitation in walk-through capacity. HSR detects hidden explosives and hazardous materials under the clothes, in back-pack and in luggage.

is based on the **Active Micro Waves technology**. The system operates by sending centimeter range microwaves, which are reflected by the body and objects on it. Reflected and transmitted waves are retrieved.



Data are processed in real time to estimate **volume** and **dielectric properties** of the detected object and determine if it is explosive or not. The system is fully automatic and thus **operator independent** so **no special skills are required**.

The device is absolutely **safe for health**. The emitted radiation is hundred times less than that of a mobile phone.

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HSR is a **modular device** that can be easily adjusted to different operation scenarios. It can be a standalone system or integrated with other equipment in any security architecture. The system supports automatic **video tracking**.

### HSR Quadro

HSR Quadro simultaneously inspects **multiple persons** and carried luggage from multiple angles. It can be used in airports and railway stations or any public buildings with intensive people flow, where delay is not possible.

HSR Quadro can crowded protect mass transit areas from suicide bombers, while the usual security will take care of the safety on board.



HSR in portal configuration is a walk-through no-stop-scanner inspecting several persons at a time with standoff detection distance up to several meters in front of the portal.

HSR Portal can be used at entrances of sensitive infrastructure, military check points, governmental buildings or even hotels where delaying the people flow is undesirable, but risk of terrorist attack still exists. It also can be used in mass transport or public venues.

Security barrier is a fully developed security solution for mass entrances that involves HSR. It allows security services to efficiently detect, control and isolate a suspected individual, create an alarm and mitigate damage in case of explosion.

### **AKBA TEKNOLOJİ VE SAVUNMA SANAYİ A.Ş.**

Koreşhitleri Caddesi Yüzbaşı Kaya Aldoğan Sokak  
No: 7 Zincirlikuyu 34394 İSTANBUL / TÜRKİYE  
TEL: +90 (212) 970 24 25 FAX: +90 (212) 217 12 30

## **Human Security Radar**



**SYSTEM FOR AUTOMATIC,  
STANDOFF AND NON-COOPERATIVE  
INSPECTION OF PEOPLE AND  
LUGGAGE IN REAL TIME**