

Compact Terahertz Body Scanning System



KSK's passive 'body scanning system' is used to detect and visualize concealed objects under a person's clothes. It detects concealed objects by receiving a type of natural thermal energy from the body and provides the size, shape and location of concealed objects. It can detect objects about the size of a mobile phone and can detect a variety of materials including weapons, explosives and narcotics.

The system performs a virtual pat down, removing the need for physical contact during the inspection process at security checkpoints.

The system contains a colour CCTV camera which is used to identify the person being screened and provide situational context. The system has dedicated software which controls the units and displays the images to the operator. Recording, review and printing functions are available.

Data is transmitted over an IP network and therefore multiple cameras can be accessed from the software and viewed simultaneously.

Features

- High resolution : detectable for small objects (50mm square)
- Variety of detected objects : metal, non-metal, plastic, liquid, powder, pill, etc.
- Passive screening : safe and non-invasive detection
- Respect for privacy : body details are not imaged
- Real time imaging : availability for stationary and moving target
- Non-contact : no need for physical contact
- Simple operation : easy to use after short training session

Specifications

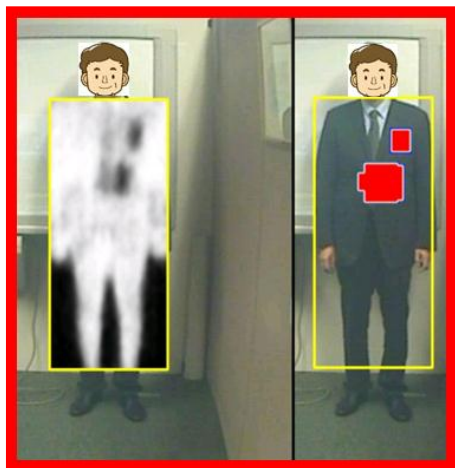
- Stand-off distance : 3m -10m
- Field of View : 1.5m(H) × 0.75m(W) @ a distance of 4.5m from the system
- Frame rate : 6 Hz
- Resolution : 50mm × 50mm
- Weight : 24kg (53 lbs.)
- Dimensions : 204mm(w) × 556mm(H) × 656mm(L)
- Electrical : Voltage 90V AC-264V AC, 47/63Hz power : 80w
- Installation : Ceiling or Wall mounted (option: electric pan/tilt)

Safe and respectful security

KSK's body scanning system is safe and non-invasive as it functions by receiving natural body heat from the person being screened.

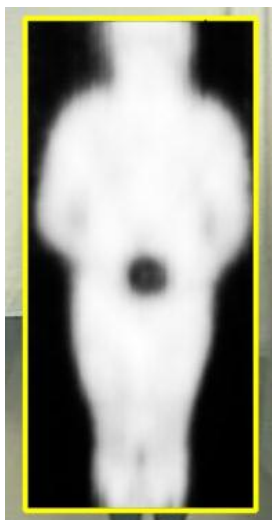
The solution has been designed to respect the privacy of the person being screened. Anatomical features are not captured by the system thereby ensuring privacy.

Examples



Mobile phone and simulated narcotics detected

- Mobile phone is concealed in the breast pocket, simulated narcotics (powder) on the abdomen
- The size, shape and location of the detected objects can be identified from the image.
- The terahertz body scan image in the left screen shows the concealed objects on the body.
- The alarm (red area in the image) is displayed when detected to make the system easier to use for the operator.



Compact disk (CD) detected

- A CD is concealed on the abdomen.
- A small target such as a hole of CD will be detected by processing the still image.

※ Specification subject to change without notice.

Sales :



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