



# D10



Easy-to-read display



Battery holster



Full body scan in 15 sec.

## Detection of Non-Metallic Objects

The D10 module is a non-invasive body only scanning system capable of detecting non-metallic objects against the human body. It is a lightweight portable device designed for rapid screening in crowded places and for protection of sensitive sites and government facilities. The D10 uses safe low power RF energy to detect items on the human body, even when items are affixed to the body and hidden under bulky or wet clothing. Device detection includes tightly packed dielectric objects and explosives on the body down to 60 x 60 x 10mm.

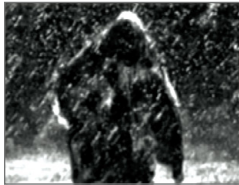
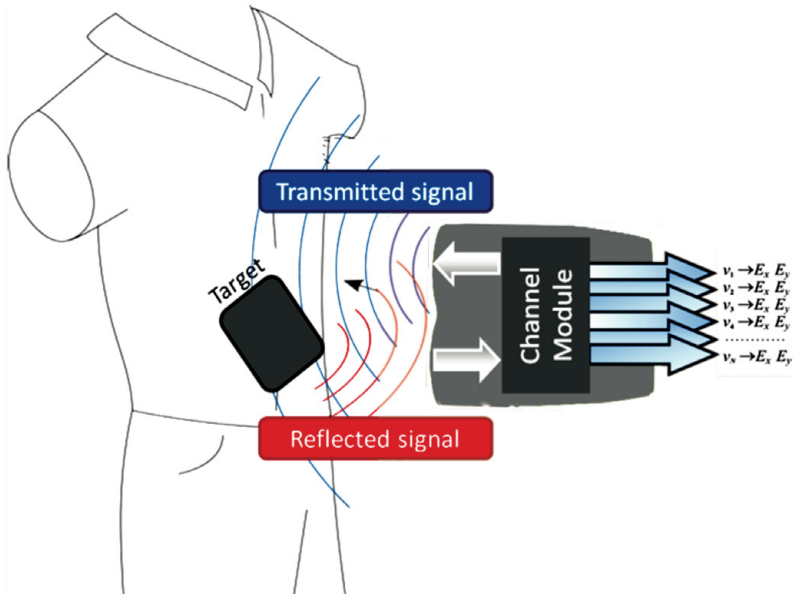
The D10 transmits human safe electromagnetic signals that reflect off of the scan recipient and return to the D10 receiver. The D10 irradiates the target body with weak electromagnetic pulses from 8.5GHz to 12.4GHz. The receiver compares the received reflections to the known dielectric constants of scanned objects to determine if a non-metallic object is present on the scan recipient.

### Enhanced human body detection capabilities:

- Without creating intrusive body scan images
- Detection through wet clothes
- Detection without taking shoes off

# D10

## Operational Overview



Through rain-soaked clothing



Through heavy coats and severe weather gear



Through field gear

Size	6.3" x 5.5" x 6.7"
Weight	2.6 lbs
Operating Temperature	-35°C to 55°C
Operating Humidity	to 95% @ 55°C
Detection probability	95%
Probability of false alarm	5%
Minimum detectable target	2.4"x2.4"x0.4"
Average radiation power	1mW
Average inspection time	<20 seconds/person
Input voltage	7.2 VDC
Power consumption	9W
Continuous operation with included battery	>8 hours

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