Pre-empt the next attack
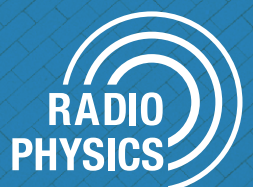
Find concealed threats from
a distance through the use of
artificial intelligence and
safe radio spectrum technology

**RADIO
PHYSICS**

Learn more at **rpssys**.com

Radio Physics' MiRTLE systems enable real time, overt and/or covert screening of people for concealed weapons, including assault rifles and suicide bomb vests.

Networked MiRTLE systems send audio and video alarms generated by artificial intelligence software that processes harmless millimeter-wave signals that permeate clothing at frequencies between 75 and 110GHz.

- detects up to a range of 30 meters (100 feet)
- weighs less than 8kg
- consumes less than 35W
- can be set-up in under 15mins, lending itself to ad hoc events & VIP security

The scope of operations allows the system to be deployed in multiple scenarios, including scanning high throughput, unstructured crowd scenarios.
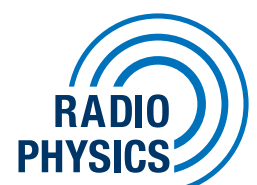
Hardware specifications

Physical size:	L 535mm, H 370mm, D 340mm / W 7.5Kg
Operating temperature:	-10^0C to $+50^0$C
Relative humidity:	95% (TBC)
Input voltage system:	100V AC – 240V AC, 47-63Hz
Power consumption:	35W
Environmental rating:	IP55 (TBC)
Optimum operating distance:	20 meters

Sensor specifications

Field of view:	W 300mm x H 300mm @ 20 meters
Camera:	Resolution: 1920 x 1200 pixels, Focal length: 8 mm, Angle of view (HxV): 50.8° x 38.6°
Aperture range:	1.4-16
Frame rate:	Real time
Accessories:	Tripod, laptop, motorised pan & tilt, battery pack

Get in touch:

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