

RoomGuard radio monitoring alarm system

Eavesdropping devices come in a variety of different forms, and the Countermeasures equipment available has traditionally been designed to be specific for a particular type of device.

This meant that an investment in several different pieces of equipment was necessary; making the cost of equipment high; however, investment and development in technology by Audiotel International Ltd brings a simple yet powerful solution to protecting your meetings.

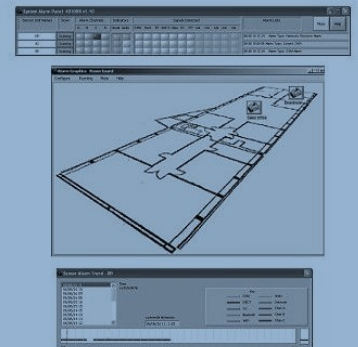
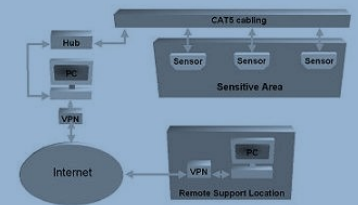
RoomGuard is a new concept in audio/video counter surveillance protection, offering 24 hour on-line protection of your most important rooms. Whether you are being 'attacked' by radio listening devices, Mobile Phones (GSM, 3G), Bluetooth, and WiFi you can be confident that your meetings will be safe.

Distributed intelligence means that several rooms can be simultaneously monitored across your network, even remotely, using the software's ability to make a secure connection to the internet.

Real-time protection means that should the threat be brought into the protected meeting room, detection will be instantaneous and alarms can be audible, graphic or sent using email or SMS messaging.

User Benefits

- Simple operation
- Detects all analogue and digital transmitters
- Integrated sensors optimises detection of suspicious devices
- Real time monitoring
- Signals can be filtered out, making it easier to interpret results
- User friendly set up
- Network compatible
- 24/7 protection
- Battery back up in case of power failure



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RoomGuard

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Technical Specification (sensor)

Broadband Detector (Channel A)

Frequency	10MHz to 2500MHz
Sensitivity	Better than -60dBm
Dynamic Range	Better than 50dB
Detector algorithms	Video (PAL, NTSC), GSM, DECT, 802.11g (WiFi), Bluetooth, 3G (UMTS)

Broadband Detector (Channel B)

Frequency	2400MHz to 2483.5MHz
Sensitivity	Better than -60dBm
Dynamic Range	Better than 50dB
Detector algorithms	Video (PAL, NTSC), GSM, DECT, 802.11g (WiFi), Bluetooth, 3G (UMTS)

Harmonic Receiver (Channel C)

Frequency	Band 0: 12.8MHz to 2500MHz (approx.) Band 1: 25000MHz to 5000MHz (approx.) Band 2: 5000MHz to 7500MHz (approx.) Band 3: 7500MHz to 10000MHz (approx.)
Resolution	8kHz
Sensitivity	Better than -50dBm (10dB SNR)
Dynamic range	Better than 50dB (noise floor to P1dB)
Sweep rate	Band 0, 1, 2 and 3 approx. every 250mS

Sensor Inputs & Outputs

External power	2.5mm centre positive
Network	RJ45, Ethernet
Alarm outputs	Green, Blue, Red LEDs, audio

Sensor power

External power	12v DC @ 4A, reverse polarity, over voltage and over current protected
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Sensor mechanical

Sensor size	280mm x 200mm x 110mm
Sensor weight	< 2.5kg

Sensor approvals

EU	EN300 440-1, EN301 489-3
FCC	Part 15 B, unintentional radiators

Warranty

RoomGuard comes with a return to base warranty against defective materials and workmanship for a period of 2 years from delivery. With regular authorised maintenance and recalibration of the unit the basic warranty can be extended for a further period.

Technical Support Group

The Audiotel Technical Support Group (TSG) can be contacted during UK office hours on:

T: +44 (0) 1536 266677
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or via the Contact Us page on the Audiotel website.

Core UK office hours are (GMT):
Mon.-Thur.: 09:00am to 5:00pm
Fri.: 08:30am to 4:00pm

Training

Audiotel is able to offer full training in the operation of our products together with general counter measures training and seminars.

Due to our policy of continuous improvement, all specifications are subject to change without notice.

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