

## Room Protector (3070)



**Making it safe to talk. A unique solution for a growing threat.**

### User Benefits

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

Room Protector is the latest concept in Counter Surveillance. It is an interface that is designed for simplicity of interpretation.

Room Protector provides sensitive areas with constant protection against active listening devices. Room Protector consists of three basic components; the detection units, the software and a comprehensive suite of support options.

### 1. Room Protector Detection Units

The detection units contain an integrated Harmonic and Broadband receiver, which makes it capable of detecting the vast majority of radio eavesdropping devices. Running 24 hours a day means that it is constantly scanning to ensure no illicit device is switched on during meetings, or any other time.

### 2. Room Protector Software

A complete suite of software is available, including Alarm Graphics, which can provide a pictorial view of your office layout, Multiview, enabling multiple detection units to be viewed simultaneously and Support Pack A, which enables Spectral Analysis of any signals detected. The software is network ready enabling Security Managers to remotely monitor meetings live from anywhere in the building, or even from other locations.

### 3. Room Protector Support Options

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A fully comprehensive suite of support options will be available, which will include basic annual contract to regular 'sweeping', live monitoring, remote alarm analysis etc

**TECHNICAL SPECIFICATIONS:**

**Broadband Detector (Channel A)**

Frequency range: 10MHz to 2500MHz

Sensitivity: Better than -60dBm

Dynamic range: Better than 50dB

Detector algorithms: Video (PAL), GSM, DECT, 3G (UMTS)

**Broadband Detector (Channel B)**

Frequency range: 2400MHz to 2483.5MHz

Sensitivity: Better than -60dBm

Dynamic range: Better than 50dB

Detector algorithms: Video (PAL), Bluetooth, IEEE802.11g, 3G (UMTS)

**Harmonic Receiver (Channel C)**

Frequency range: Band 0: 12.8MHz to 2500MHz

(approx. ranges) Band 1: 2500MHz to 5000MHz

Band 2: 5000MHz to 7500MHz

Band 3: 7500MHz to 10000MHz

Frequency resolution 8kHz

Sensitivity: Better than -50dBm (10dB SNR)

Dynamic range: Better than 50dB (noise floor to P1dB)

Sweep rate: Band 0, 1, 2 & 3 approx. every 250mS

**Broadband Detector (Channel D, used in Support Package A)**

Frequency range: 10MHz to 10000MHz

Sensitivity: Better than -45dBm

Dynamic range: Better than 40dB

**Inputs & outputs**

External power input: 2.5mm centre positive

Network connection: RJ45 Ethernet

Alarm outputs: Green, Blue and Red LEDs, audio

**Power**

External power input: 12v DC @ 4A, reverse polarity, over voltage and over current protected.

Battery back up: Internal 7.2v Li-Ion pack, providing > 2 (where fitted) hours backup

**Mechanical**

Sensor unit size: 280mm x 200mm x 110mm

Sensor unit weight: < 2.5kg

**Environmental**

Operating temperature: +5degC to +35degC, benign office environment

**Approvals**

EU: EN300 440-1, EN301 489-3

FCC: Part 15 B, unintentional radiators

**Software**

**Basic Software**

Works in real time with up to 12 detection units across a Cat5 Network. Includes

Alarm Annunciator

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### **Advanced Software**

Additional software modules are available, these include Alarm Graphics, Multiview and Support Pack A.

#### **Alarm Graphics**

Gives a graphical representation of building layout to enable user to identify quickly the room under threat. Compatible with bitmap and JPEG images.

#### **Multiview Software**

Enables simultaneous view and analysis of alarms from multiple detection units

#### **Support Pack A**

Consists of; Live Viewer - enables live signals to be displayed on screen and analysed in real time; Alarm Log Viewer - enables historical alarm events to be viewed locally or remotely to aid risk analysis; Alarm Profile Editor - set up unit to suit location and enables user to ignore allowed signals.

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