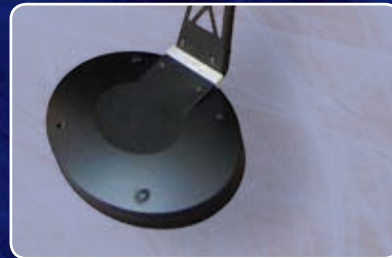




WINKELMANN

A MATTER OF NATIONAL SECURITY

» Product Short Form



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MICROSCAN MS300 Counter Surveillance Receiver

The Microscan MS300 is a highly sensitive counter surveillance receiver that allows the detection of all major types of covert radio surveillance threat. It is capable of demodulating video signals and detecting digital listening devices giving the user the ability to listen to and view many of the signals detected.

MS300 User Benefits:

- Constant monitoring mode provides 24 hour protection
- Full remote operation of system over Internet
- Remote e-mail alert on new signal
- Dedicated search for different types of signals i.e. video, frequency hopping
- Time and date stamp of intermittent signals
- Standard 3GHz, 9GHz & 15GHz available (with built-in MDC)
- Most Sensitive Analogue Sweep on the Market. Ideal for detecting analogue bugs with remote microphones
- Superior detection Rate
- Excellent Detection of Frequency-Hopping & Spread Spectrum Devices
- On-screen video display
- Super fast scan

MS300 features:

- Ultra sensitive Automatic Sweep for Analogue Bugs
- On-screen video demodulators aid detection of video transmitters
- Flexible, High Resolution Spectrum Analyser Display
- Integrates signals over time to allow detection of very low-power and "snuggler" bugs
- Comparison Function allows 'Friendly' Signals to be eliminated
- Mains Coupler allows detection of bugs using mains wiring as their transmission medium
- Intuitive Windows User Interface
- Easy Archiving of Data for Later Use
- Comprehensive Help Files Detail Search Techniques for a Variety of Threats
- Easy Upgrade of Software for New Threats
- On-screen demodulation allows analysis of digital bug signals
- High Sensitivity Broadband Antenna system with automatic antenna selection



HAWK 450XD Non Linear Junction Detector (NLJD)

Electronic Device Detector

The HAWK 450XD "Electronic Device Detector" is widely used in counter surveillance sweeps to detect hidden electronic devices such as transmitters, microphones, hidden cameras, regardless of whether the device is radiating, hard-wired or turned off.

User Benefits:

The 450XD gives both visible and audible alerts when there is a positive detection, is battery powered, weighs less than 2kg and is simple to operate.

The HAWK provides the following features:

- Robust, light weight, fibre glass and carbon design, operational weight less than 2kg
- Continuous wave transmission (CW) reduces the risk of missing a threat, CW is also the preferred method in EOD applications
- Highly sensitive receivers with excellent signal-to-noise ratio
- High transmit power, variable from 2mW up to 1W (2 and 4W options)
- Balanced, ergonomic design with integrated display module
- Unique 4-way thumb control, placed conveniently on display screen, for most commonly used functions
- 4 selectable operating frequencies to avoid possible interference from local transmissions
- Circular polarized antenna removes risk of missing a threat due to incorrect polarization
- Revolutionary design, "all in one" single body unit with option of antenna separated from control module



VPC-12000 Infrared Pole Camera

The VPC-12000 is a highly portable viewing system, providing the user with unrivalled capabilities for low light inspection of rooms, buildings, containers, aircraft, ships, vehicles and packages.

The VPC-12000 is currently in use with EOD search teams, professional sweep teams, tactical units and SWAT teams. The VPC-12000 is ideal for short-term surveillance ideal for searching attics, drop ceilings, over-head compartments, under office furniture, around corners or other difficult to access areas.

Features:

- Excellent images in low light conditions
- Standard and compact head models
- Lightweight, high quality robust construction
- Covert surveillance model, including illuminator
- PAL or NTSC



X200xp Thermal Imaging Camera

The X200xp is a useful device during any inspection. The thermal camera can be used to identify structural elements or anomalies caused by the installation of surveillance devices and structural modifications. The X200xp offers fast turn-on time and real-time video image, sophisticated image processing for best-in-class image quality & rugged design.

Benefits:

Greater scene detail with improved clarity, sharpness and overall image quality Fully dimmable display minimises night blindness Stows easily into pocket for quick extraction and operation

Applications:

EOD Search, TSCM search, Force Protection, Routine Patrols, Search and Rescue



EOD/TSCM Optical Fibre Search Kit (Flexible Endoscope)

The EOD V Search Kit comprises of a flexible endoscope with a range of tips & integrated light guide with eye cup making the device ideal for inspection of wall cavities, ventilation ducts, pipes, between floorboards, car doors and other inaccessible areas.

The EOD V Search Kit is used by law enforcement, customs officers, bomb technicians and technical surveillance countermeasure search teams. The kit is a portable visual search kit, incorporating high resolution glass fibre image guides with excellent light transmission. Lever controls to allow single hand operation of 2-way tip articulation, the probe can be articulated to a specific position and then locked into position.



EOD/TSCM Rigid Endoscope Visual Search Kit

The EOD IV Search Kit comprises of a rigid endoscope with rotational scanning (340degrees), integrated light guide and focusing eyepiece, the device provides a versatile inspection system for EOD & technical surveillance countermeasure search teams.

The EOD IV Search Kit is used by law enforcement, customs officers, bomb technicians and technical surveillance countermeasure search teams. The kit is a portable visual search kit, incorporating optimised distortion free optics for outstanding quality. Ergonomic all metal stainless steel construction with detachable handgrip.



HAWK XDi “Electronic Device Detector”

Detect Hidden Electronic Devices with the HAWK XDi

Winkelmann now offers an “Electronic Device Detector” for Countering Improvised Explosive Devices (IEDs) - The Global Threat

The Electronic Device Detector HAWK XDi uses advanced techniques, technology and intelligence to detect mines and improvised explosive devices (IEDs) within explosive ordnance disposal (EOD) and counter terrorist applications.

The HAWK XDi has the advantage of detecting explosive devices containing electronic components such as: remote control receivers, mobile phones, electronic timers, clocks, transceivers, electronic fuses and delayed-action units. The device can also be successfully deployed as well to detect buried weapons, ammunition, engineering mines & hidden arms caches.



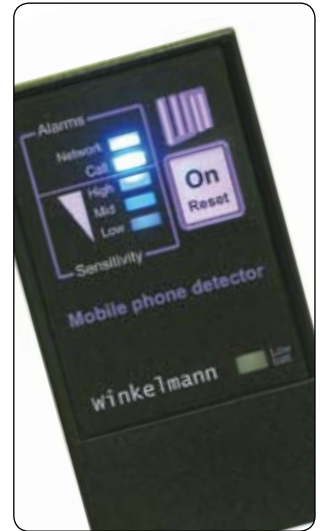
Cellular Detector GSM184

GSM Surveillance Unit

The GSM mobile phone detector is especially suitable for use by security personnel in Government establishments, military bases, prisons, in commercial applications such as banking, dealing rooms and for security companies who need to sweep premises for concealed surveillance devices.

The GSM184 provides the following features:

- Detects the presence of active GSM phones
- Quad band operation (US versions available)
- Multiple range settings from 1 meter to 200 meters
- Signal strength indication on multi-coloured bargraph display
- Small size: 85 x 46 x 16mm (length x width x depth)
- Latched alarm indicators
- Able to scan areas up to 1 million square feet



Cellular Detector GSM185

GSM Surveillance Unit

The GSM185 is designed as a handheld detection unit. Carried by security officers in prisons, government and military establishments, they warn of any GSM activity within range. Warnings are given by an internal vibrator and by the signal strength indicator on the front.

The GSM185 provides the following features:

- Detects the presence of active GSM phones
- Quad band operation (US versions available)
- Multiple range settings from 1 meter to 200 meters
- Signal strength indication on multi-coloured bargraph display
- Cadenced vibrator for covert operation
- Enhanced signal processing and detection algorithms
- Small size: 85 x 46 x 16mm (length x width x depth)



GSM196 Mobile Phone Detector

The GSM196 can detect both 2G (GSM900 & GSM1800) and 3G (WCDMA /UMTS 2100) mobile phones. For situations where greater accuracy is required and / or specific monitoring is required in areas containing multiple phones, a specially designed directional antenna system can be used with the GSM196.

The GSM196 is especially suitable:

For use by security personnel in Government establishments, military bases, and prisons; in commercial applications such as banking, dealing rooms, and design offices; for security companies who need to sweep premises for concealed surveillance devices, also referred to in the industry as TSCM (Technical Surveillance Counter Measures)

Features:

- Detects both 2G & 3G mobile phones
- LED bargraph signal level indication
- Automatic display brightness control
- Advanced digital filtering for signal isolation
- Unique signal analysis for accurate detection
- Cadenced Vibrator Alert for Covert Operation



BLOCKPHONE

Cellular Communications Control

Blockphone is a range of products designed to block mobile phones and prevent all cellular transmissions, without interfering with other communication systems.

The Blockphone provides the following features:

- All cellular standards available
- Single, dual, tri and quad-band systems
- Digital power control (61 power levels)
- Remote Control (optional)
- Connection to Detectphone (optional)
- Mains or Battery operation (optional)
- Can be supplied in a waterproof case
- Typical applications include Prisons, Embassies, VIP protection and EOD units.



KESTREL Camouflage Cameras

Due to their compact size and low power input these board cameras are extremely well-suited for hidden camera applications. The cameras feature very high resolution in both B&W and Colour and use state-of-the-art CCD chip technology.

The cameras are available with different types of camouflaged lenses and come in four (4) different kits. Due to the great variety of lenses and camouflages available installations are possible in many fields of application where regular cameras fail.

Features:

- Excellent performance in low light conditions
- Low power consumption
- Button cameras available
- Miniature IR detector
- Cameras with separate camera head
- Mini stick cameras



KESTREL PTZ3076 100X Zoom Mini Surveillance Camera

The K3076 is a complete zoom, pan/tilt remote controlled system with outgoing cables for power and video, the kit comes complete with the wireless hand-held controller. Distances up to 1km can be achieved.

The K3076 is an exceptionally small camera (only 56mm in length) with integrated zoom lens, 10 x optical and 10 x digital zoom. The system is designed to be used in hazardous conditions for overt and covert surveillance.

Video Equipment: We supply PTZ cameras for remote monitoring, special remote-controlled battery packs, high resolution camouflaged cameras & video/audio transmission systems.

All systems can be supplied with miniature IR detectors which recognize slightest body movement allowing for motion-controlled on/off, switching of other devices such as transmitters or cameras.

The PTZ3076 100xzoom is an exceptionally small surveillance camera (only 56mm in length) with integrated zoom lens.



SMS Switch 2004E Alarm Tracker Unit

The Model 2004E puts you in control. A compact unit with built-in high sensitivity GPS receiver, responding directly to SMS text messages sent over the mobile phone network.

The built in receiver's Supersence firmware provides tracking indoors and under cover from very weak satellite signals. It provides a straight forward means of alarming and tracking high value remote or parked equipment.

Model 2003/B is a basic switch (without GPS) providing four controlled output circuits which can be used to switch power to equipment.

The SMS switch is commonly used in conjunction with alarm systems and will send a notification message immediately after a sensor has been activated.

Applications:

- Provides real-time tracking even when indoors or under cover
- Position from GPS available on demand or track from your PC
- Movement detection when alarm set
- Wide area alarm gives alarm on exit from area
- Four ports for sensor switch input or control output
- Operates directly to and from your own mobile phone
- 12/24V DC powered - ideal for vehicles, trailers or boats
- Simple wired installation



WOODPECKER Stereo Stethoscope SS030

In the field of law enforcement, counter-terrorism and hostage situations there is often the need for audio monitoring where access is restricted. The SS030 provides a means of listening through elements of buildings (walls, ceilings, doors etc.)

The stereo stethoscope consists of the amplification unit and 2 external transducers. The amplification unit has a balance control that allows the sensitivity of the left and right channels to be increased in order to aid tracking of the audio source.

The SS030 provides the following advantages:

- Complete through-wall listening device
- Extremely sensitive high gain amplifier
- Compact, portable, ideal for rapid response units
- Ready to use immediately
- Supplied with mounting hardware (drill kit)

WOODPECKER Wireless Stethoscope SS050

Counter-terrorism and hostage situations there is often the need for audio monitoring where access is restricted.

The SS050 provides a means of listening through elements of buildings (walls, ceilings, doors etc.) In operation the Transmitter's small size enables it to be placed easily on walls, floors and ceilings. Acoustic vibrations passing through the building structure are detected by the extremely sensitive RF transducer, within the unit, amplified and transmitted via an RF link to the surveillance receiver.

The SS050 provides the following advantages:

- Complete through-wall listening device
- Sensor weighs only 28 grams
- Up to 30 hour operation from the transmitter
- Range up to 50 metres in buildings
- Pocket Receiver
- Ideal for SWAT teams

WOODPECKER Optical Contact Microphone SS070

The Optical Contact Microphone (OCM) is based on unique optical acoustic technology and yields excellent sound quality. The OCM allows security professionals to listen and record through concrete walls, windows and doors without the need to be inside the room. It offers improved performance and durability and it includes noise reduction through a built-in DSP in the electronics box.

Advantages:

- Lightweight, waterproof sensor
- Unique optical acoustic technology
- Built-in noise canceling via DSP
- 8 hours operation

Applications:

- Designed for SWAT, Special Task Forces
- Listening through containers and on vessels where the environment is humid & harsh
- Monitoring safes in banks
- Other harsh environments due to DSP noise reduction algorithms
- OCM head weight is 16g and can be attached to the surface with blue-tack



KINGFISHER Fibre Optic Microphone SOM3 & SOM4

The SOM3 & SOM4 (Surveillance Optical Microphone) is a high quality undetectable microphone used for covert and overt purposes. The extremely sensitive optical microphone captures a range of sound from normal conversation to soft whispering or the shuffling of papers with excellent sound accuracy. SOM consists of an optical microphone with only a tiny tip exposed in the room being monitored. Small and immune to electro-magnetic interference, the sensor is extremely difficult to detect.

The SOM4+ is a unique microphone which is immune to any harsh environments. The SOM4+ is ideal for sound and machine monitoring in harsh environments. Industries served, Power generation, oil & gas, petrochemical, refineries, EMI/RFI labs and many others.

Advantages:

- High temperature range -50 to +120 OC
- Monitoring in harsh environments like in sea conditions and outdoors
- High quality audio recordings
- Various fiber lengths from 10m up to 1km
- Increased fiber strength, PVC coated or optional 2x3mm zip cord coated fiber
- SOM4 Improved electronics box allows direct connection to headset
- Easy to conceal
- Optional extended 20cm metal tube



Body-Worn Noise Reduction System

Connects to any transmitter or recorder, ClearSound incorporates advanced signal processing algorithms, which are specifically designed for the removal of background noise from speech on a continuous and adaptive basis.

Simply plug ClearSound between a microphone and tape recorder or between a microphone and transmitter, it can be easily fitted into a body-worn transmitter system or covert recorder harness. Any covert application using hard-wired microphones or transducers (through wall listening devices) will have the effects of background and inherent microphone path noise drastically reduced, making for greater speech clarity in demanding situations.

ClearSound offers a unique, high-tech, leading edge solution to the problems of unwanted noise and interference on speech in communications and surveillance systems.

Features:

- Compact unit for noise reduction of microphone signals
- Fixed and mobile surveillance applications
- Simply plugs in between the microphone and transmitter or recorder
- Easily fitted into a body-worn harness or vehicle hands-free kit
- Excellent noise cancellation up to 20dB
- Automatic noise suppression level
- Totally automatic in operation
- Compact and light-weight



Audio Transmitter

The GEM NGA-10 & GEM NGA-50 provide excellent transmission quality from a miniature analogue audio transmitter. The NGA-10 & NGA-50 are the next generation of GEM Audio Transmitters, ideal for using with remote antenna's and for close protection.

The transmitter is available with shrink wrap or metal housing, and comes with internal or external microphone. Due to there small size the NGA-10 & NGA-50 are ideal for body-worn applications, temporary deployments and fixed installations.



Digital Audio Transmission System

GEM NGD-100 Digital Audio Transmission System

The GEM NGD-100 is a new digital encrypted miniature audio transmission system. It consists of a digital audio transmitter and ICOM IC-R5 communications receiver, the decoder as standard is built-into the ICOM IC-R5 receiver.

GEM NGDRC-100 Digital Audio Transmission System

The GEM NGDRC-100 is a new digital remote controlled encrypted miniature audio transmission system. It consists of a remote controlled digital audio transmitter, remote control activator & ICOM IC-R5 communications receiver, the decoder as standard is built-into the ICOM IC-R5 receiver



PEREGRINE Keystroke Reader

Ideal for capturing "Passwords". The system comprises of a miniature radio transmitter and dedicated receiver/reader and should not be confused with keyboard loggers which require retrieval for data download.

The miniature burst transmitter can be installed in seconds and takes power from the PC to which it is attached, the target system requires no software installation in order for keystrokes to be recorded.

The standard receiver has an LCD display for real-time viewing and a data link to any PC, laptop or palmtop to record the keystrokes coming into the receiver.

The receiver also has an option for flash memory which allows up to 500,000 keystrokes to be stored with time and date stamp.

The Keystroke Reader is an ideal solution for short term and long term data backup, surveillance and computer security.

The Peregrine provides the following advantages:

- Fully integrated system
- Internal and external versions available
- Device fitted to keyboard of choice
- Digital encrypted burst transmission
- Powered from target PC
- Transmits up to 10 characters per second
- Data transfer to any PC

