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German Security Solutions
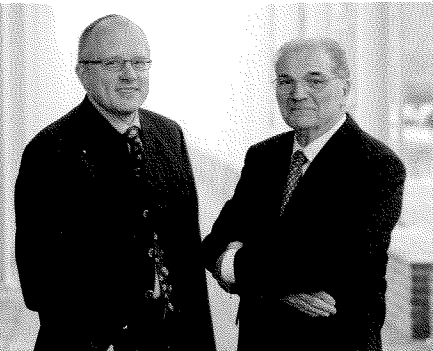
GOVERNMENTAL SECURITY SOLUTIONS

ELAMAN
NEWSLETTER Q1/2011

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Dear Customers,

Our 2011 newsletters show a range of selected equipment from Elaman's capabilities in the fields of Tactical & Strategic Surveillance and Monitoring Systems, which can operate independently or within a system design. The equipment can be tested and demonstrated upon request. We look forward to hearing from you.

INDEX

Elaman GmbH is a German based company with over 15 years of experience in communications and security requirements for Law Enforcement Agencies. Elaman, with its headquarters in Munich, Germany, and its subsidiary offices in Dubai (the United Arab Emirates), specializes in security requirements for Governments and Law Enforcement Authorities worldwide. Our aim is to provide comprehensive security products and solutions, technical consultancy and services as well as professional training for our customers.

The company is a proven leader in international marketing and trading, specializing in defense technology, communications and security. Through strategic partnerships with many leading international companies, we provide Law Enforcement Agencies alike with unique technology solutions.

Holger Rumscheidt & Eugen Fissl

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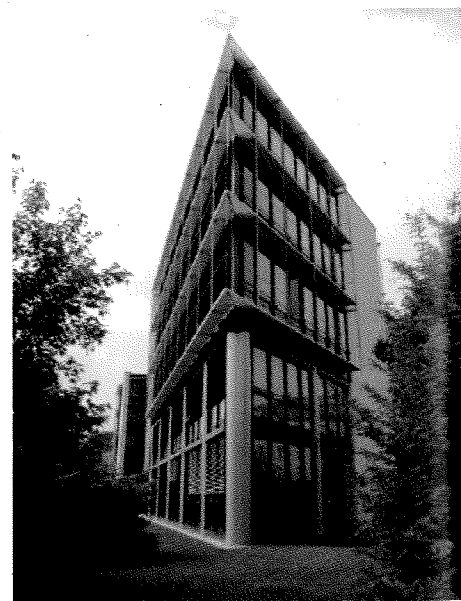Tel: + 49 - 160 - 97242601
thomas.oblinger@elaman.de

Consequently, we have the expertise to offer solutions using state-of-the-art technology and comprehensive functions for flawless operation, training and services, such as:

- Communications Monitoring
- Tactical Audio and Video Surveillance Equipment
- Surveillance Vehicles
- Counter Surveillance (TSCM)
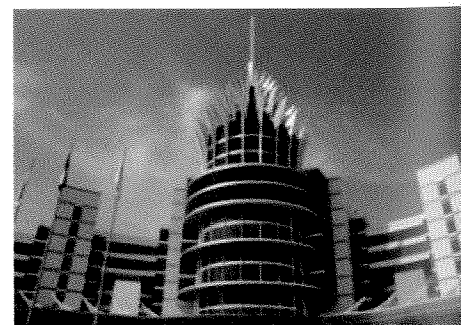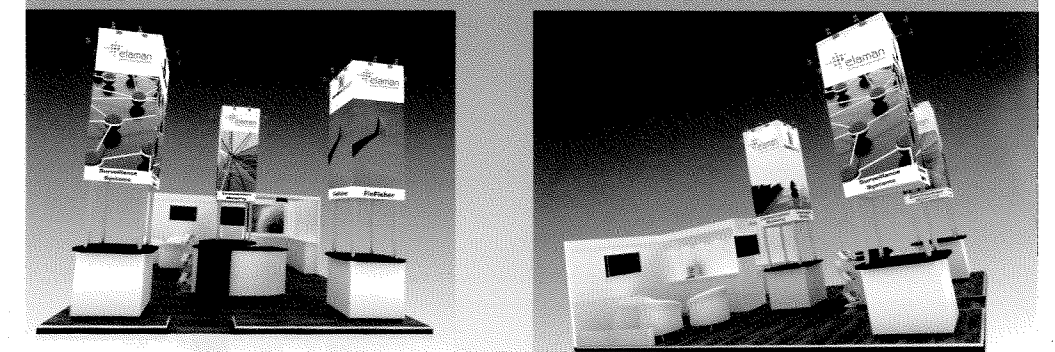- IT Intrusion
- Specialist Training
- VIP Protection

An essential element of our philosophy is the conviction that training as well as both understanding the products and technology are critical factors and major strengths in assuring successful security solutions.

Elaman GmbH offers a broad variety of products, services and customized solutions from several locations worldwide. We also offer consulting and training services that meet the requirements of our customers.

We are operating (sales, manufacturing, development and technical support) out of offices in Europe, Africa, the Middle East and Far East.

German office established in 2004

Dubai office established in 2006

Dates	News & Events	
21 - 23 February 2011	*ISS World MEA* UAE, Dubai	**ISS** World *MEA*
14 - 16 June 2011	*ISS World Europe* Prague, Czech	**ISS** World *Europe*
18 - 21 October 2011	*Milipol Paris* Paris, France	**Milipol** PARIS
On Demand	*IT Intrusion Seminars*	

FINFISHER IT INTRUSION SEMINARS

FINFISHER™
IT INTRUSION

It is with pleasure we are able to offer our services and provide your esteemed department with its own exclusive 2-day IT intrusion seminar. The idea behind the seminar is to introduce the latest techniques in IT intrusion, which will be presented by our own team of IT experts.

The 2-day seminar will cover all the theory and live practical demonstrations as well as discussions on building up your own IT intrusion team. On the second day, we will also give a full demonstration of the FinFisher Intrusion and Hacking Portfolio and review the entire range of training courses our company offers.

We attach the following documentation:
• Seminar Invitation
• Seminar Agenda

If this seminar is of interest to you, we would like to agree on the following points:
• Location of the seminar
• Date of the seminar
• Number of Personnel attending from your side
• Any required security clearance for our personnel

It would be a pleasure to speak with you at your convenience and discuss any issues related to this seminar and provide more information.

Day 1
• What is IT Intrusion?
• Recent Cases (Attacks on Networks, Cybercrime and more)
• Common Techniques (Samples on Intrusion to Infrastructures and Systems)
• Intrusion Techniques

Day 2
• Common Techniques continued
• Government IT Intrusion Solutions
• Real life Intrusion Operations
• FinFisher Portfolio

FINFISHER - THE ULTIMATE INTRUSION PORTFOLIO

FINFISHER™
IT INTRUSION

FinFisher is the cutting edge offensive IT Intrusion portfolio on the market today. With this portfolio, Elaman/Gamma provides complementary solutions, products and advanced training capabilities to Government end-users who are seeking world class offensive techniques for information gathering from suspects and targets.

FinFisher combines specialized areas into one comprehensive IT Intrusion Portfolio. This provides the Law Enforcement and Intelligence Communities with access to an all-encompassing range of intrusion capabilities, which can be used effectively from starting up a new Intrusion Department to providing world-class solutions and training to enhance existing resources.

The FinFisher Portfolio is based on the following products:

FinFisher Tactical IT Intrusion portfolio
• FinUSB Suite: Covertly extracts data from a computer system
• FinFireWire: Unlocks a running computer system for instant access
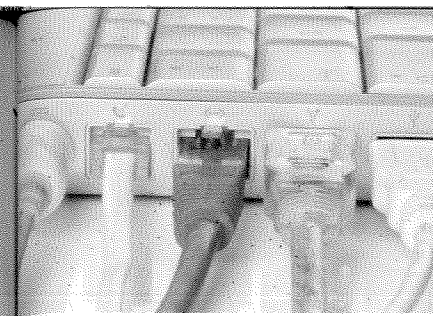• FinIntrusion Kit: Professional tactical IT Intrusion Kit

FinFisher Remote Monitoring & Infection Solution
• FinSpy: Remote monitoring solution for computer systems and mobile phones
• FinFly USB: Infection USB device for physical access
• FinFly LAN: Tactical infection proxy for local area networks
• FinFly ISP: Strategic infection proxy for ISP networks
• FinFly Web: Infection website generation for remote use

IT Intrusion Training Program
• FinTraining: Training Program for IT Intrusion and CyberWar Teams

PRODUCTS PORTFOLIO

FININTRUSION KIT

FinIntrusion Kit was designed and developed by world-class IT Intrusion specialists that have over 10 years of experience from working in several Tiger Teams (Red Teams) in the private and government sector assessing the security of different networks and organizations. The FinIntrusion Kit is the result of creating an up-to-date and covert operational kit that can be used for most common IT Intrusion Operations in defensive and offensive areas. Current customers include Military CyberWar Departments, Intelligence Agencies, Police Intelligence and other Law Enforcement Agencies.

FINUSB SUITE

The FinUSB Suite is a flexible product that enables Law Enforcement and Intelligence Agencies to quickly and securely extract forensic information from computer systems without the requirement of IT-trained Agents. It has been used successfully in operations around the world where valuable intelligence has been found about Targets in covert and overt operations.

FINFIREWIRE

FinFireWire is a tactical kit that enables the operator to quickly and covertly bypass the password-protected Login-Screen or Screensaver and access the Target System without leaving a trace or harming essential forensic evidence.

FINSPY

FinSpy is a field-proven Remote Monitoring Solution that enables Governments to face the current challenges of monitoring Mobile and Security-Aware Targets that regularly change location, use encrypted and anonymous communication channels and reside in foreign countries. When FinSpy is installed on a computer system or mobile phone it can be remotely controlled and accessed as soon as it is connected to the internet/network, no matter where in the world the Target System is based.

FINFLY

FinFly is a set of products that is used for easy local network and remote infection of target systems. Its main features include on-the-fly infection of executable and screensaver downloads, triggering software updates for well known software and infection through visited websites. After infection, the target system is fully accessible to Law Enforcement and Intelligence Agencies.

FinFly USB

The FinFly USB provides an easy-to-use and reliable way of installing Remote Monitoring Solutions on computer systems when physical access is possible.

FinFly LAN

FinFly LAN was developed to covertly deploy the Remote Monitoring Solution on target systems in Local Area Networks (Wired and Wireless/802.11). It is able to infect Files that are downloaded by the Target on-the-fly, or infect the Target by sending fake Software Updates for popular Software.

FinFly Web

FinFly Web is designed to help Law Enforcement and Intelligence Agencies to covertly install FinSpy on Target Systems through Websites which install the software by using the Web-browser module functionalities.
The product can generate a wide-range of attack codes that can be implemented into any given Website and which will infect the Target System when the website is visited.

FinFly ISP

In order to achieve greater performance and enhanced reliability, the FinFly ISP product has been completely redesigned and developed from scratch, which resulted in major changes:
- The software has been rewritten from scratch and offers a more intuitive Interface and more flexibility
- The existing hardware has been replaced by high performance servers with programmable network cards

FINFISHER IT INTRUSION

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IT INTRUSION

NEW TRAINING COURSES

As part of our FinFisher Training Program, we have created a set of new cutting-edge IT Intrusion courses to cover more topics requested by our clients over the past few months.

Practical Software Exploitation

Outline: This course offers practical training on using exploits for IT Intrusion purposes, e.g. using the latest Adobe Acrobat exploits to hide FinSpy inside PDF files, as well as using software vulnerabilities to break into secure computer networks, and more.
Duration: 5 days (Basic) or 10 days (Full)

Pre-Requirements:
- Basic Software Development Knowledge
- Basic Windows/Linux Knowledge
- Basic IT Intrusion Knowledge

Practical Web Application Exploitation

Outline: This course focuses on Web Application Security and shows many different ways how to analyze them for security issues, and also to use them to get remote access to web-servers.
Duration: 5 days (Basic) or 10 days (Full)

Pre-Requirements:
- Basic Web Application Knowledge

Practical Penetration Testing

Outline: This course covers a wide-range of penetration testing examples, which are conducted through several practical examples.
Duration: 5 days (Basic) or 10 days (Full)

Pre-Requirements:
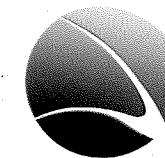- Basic IT Intrusion Course

FINSPY MOBILE

FinSpy Mobile is an advanced Intrusion system which once implemented into a Target Phone guarantees full access to the communication and built-in features.

Key Features:
- Stealth: Hides software deep inside infected phone
- Communication: Full monitoring of all activity
- Location Tracking: Via GPS and Cell-ID
- Remote Audio Surveillance: Implemented through silent calls
- Supports all major phones: New Systems are permanently added
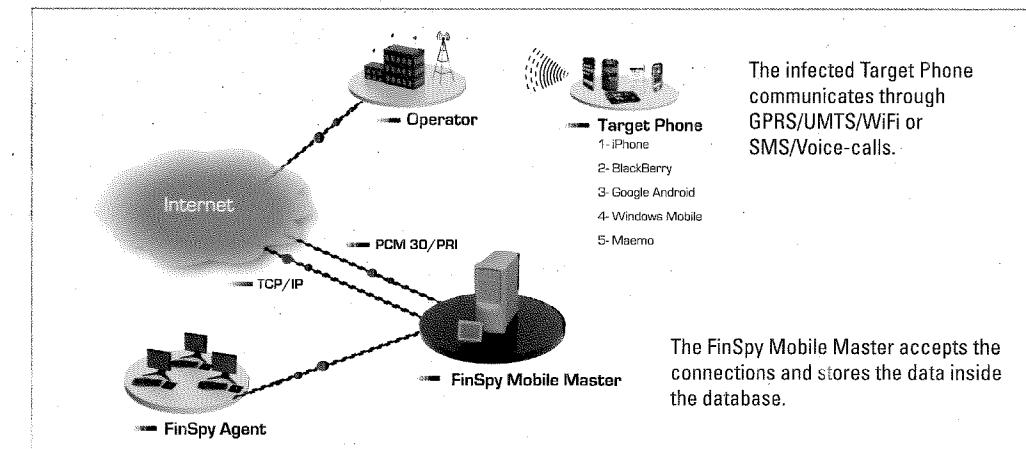
Target Features:
- Basic Communication Interception, such as Calls, SMS/MMS, Call Logs
- Access to stored information, such as Address-Book
- Recording of incoming and outgoing E-Mails
- Location Tracking (Cell IDs and GPS Data)
- Live Surveillance through Silent Calls
- BlackBerry Messenger surveillance
- Supports all common phones: Symbian 8/9, BlackBerry, iPhone (jailbreak required), Android, Windows Mobile and Maemo

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FinSpy Mobile Setup

The FinSpy Mobile server is connected by infected Target Phones over the Internet (GPRS / UMTS / Wi-Fi) or through the PRI Cards (SMS / Phone Calls).

The infected Target Phone communicates through GPRS/UMTS/WiFi or SMS/Voice-calls.

The FinSpy Mobile Master accepts the connections and stores the data inside the database.

User Interface

The Whole System is controlled through the Graphical User Interface.

License	UID	Type	Direction	Duration	Name/Number	Mobile Time	Server Time
01126	980041000525236	Location			30312	2009-12-08 13:18:49	2009-12-08 13:19:35
01126	980041000525236	Location			44822	2009-12-08 13:19:14	2009-12-08 13:20:01
01126	980041000525236	SMS	Outgoing		004917623745849	2009-12-08 13:22:50	2009-12-08 13:23:37
01126	980041000525236	Voice	Outgoing	0:00:00	004917623745849	2009-12-08 13:23:18	2009-12-08 13:24:04
01126	980041000525236	Voice	Incoming	0:00:06	+4917623745849	2009-12-08 13:27:13	2009-12-08 13:28:00
01126	980041000525236	Voice	Outgoing	0:00:00	*900900900	2009-12-08 13:33:23	2009-12-08 13:34:11
01126	980041000525236	Voice	Outgoing	0:00:00	*900900900	2009-12-08 13:33:36	2009-12-08 13:34:34
01126	980041000525236	SMS	Outgoing		004917623745849	2009-12-08 13:34:18	2009-12-08 13:35:39
01126	980041000525236	Voice	Outgoing	0:00:00	*900900900	2009-12-08 13:35:32	2009-12-08 13:36:20
01126	980041000525236	Voice	Outgoing	0:00:00	*#21012	2009-12-08 13:36:59	2009-12-08 13:37:50

Intercepted SMS

Mobile Time:	2009-12-08 13:22:50
Server Time:	2009-12-08 13:23:37
Type:	SMS
Direction:	Outgoing
Phone Number:	004917623745849
Contact Name:	
Message:	Hey. Meet at 7.

GPS Tracking

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IT INTRUSION

The FinFly ISP System is designed to remotely install the Remote Monitoring Solution (e.g. FinSpy) on selected Target Computer Systems by integrating the system into an ISP's IP-network infrastructure. Optional FinFly ISP Addons include IP Shaping and Blocking.

A FinFly ISP System typically consists of the following Appliances and Functional Groups:
A) Target Infection Server(s)
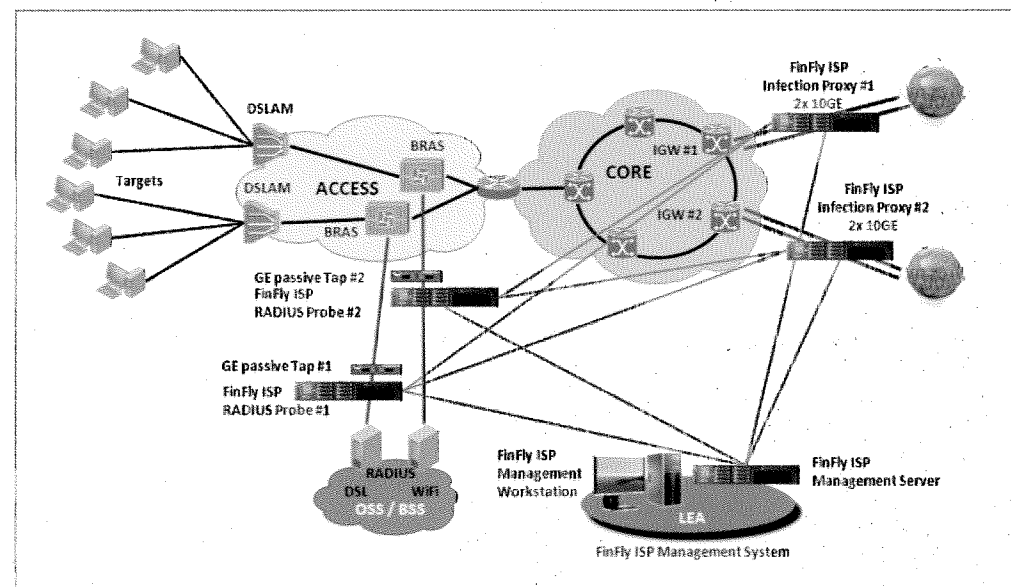* FinFly ISP Infection Proxy Server

B) Target Identification Server(s)
* FinFly ISP Target Identification Probe / RADIUS / DHCP Probe

C) Management System
* FinFly ISP Management Server
* FinFly ISP Management Workstation

D) Network Equipment
* Bypass Switch Function, Switches, Passive Taps, 19" Server Rack(s), UPS etc.

FinFly ISP Management System

The FinFly ISP System is managed centrally from the LEA's premises using the FinFly ISP Management System.

The user will administer targets for infection by entering the appropriate target data via the easy-to-use GUI on the Management Workstation. The Management Server will distribute the necessary commands to the FinFly ISP RADIUS Probes and Infection Proxies deployed in ISP's network.

A Target is added to the FinFly ISP system using its access data-like "dial-in phone no." or "username". In case the target has a fixed IP-Address this IP-Address will be entered into the system. In this specific case the RADIUS Probes are not involved in the Target Identification process.
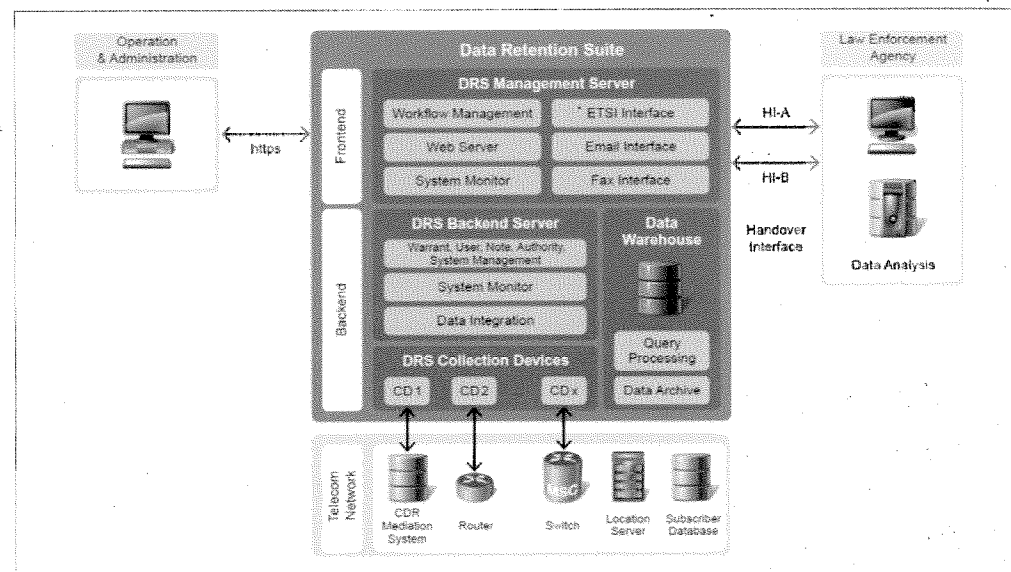
LAWFUL INTERCEPTION

Lawful Interception (LI) is the legally approved surveillance of telecommunications services, and has become an important tool for law enforcement agencies (LEAs) around the world for investigating and prosecuting criminal activities and terrorism. Most countries have passed laws that require telecommunications service providers to support LEAs with duly authorized requests to identify, monitor, and deliver all electronic communications of specified individuals and groups. While regulations and requirements vary from country to country, international and American standardization bodies like ETSI or ANSI have developed technical standards for LI that will facilitate the work of LEAs and help operators and service providers to minimize their costs. Although various standards for LI use different terminology, the basic functional model applies to all LI standards and to all network and service types.

The main functions of any LI solution are to access Interception-Related Information (IRI) and Content of Communications (CC) from the telecommunications network and to deliver the information in a standardized format via the handover interface to one or more monitoring centers of law enforcement agencies. Of course, before surveillance can take place, interception requests must be approved and appropriately provisioned to the Interception Access Points within the service provider's network, and they must be carefully and accurately terminated after the interception authorization expires. In addition, high security requirements for LI systems are essential to prevent possible manipulation and misuse.
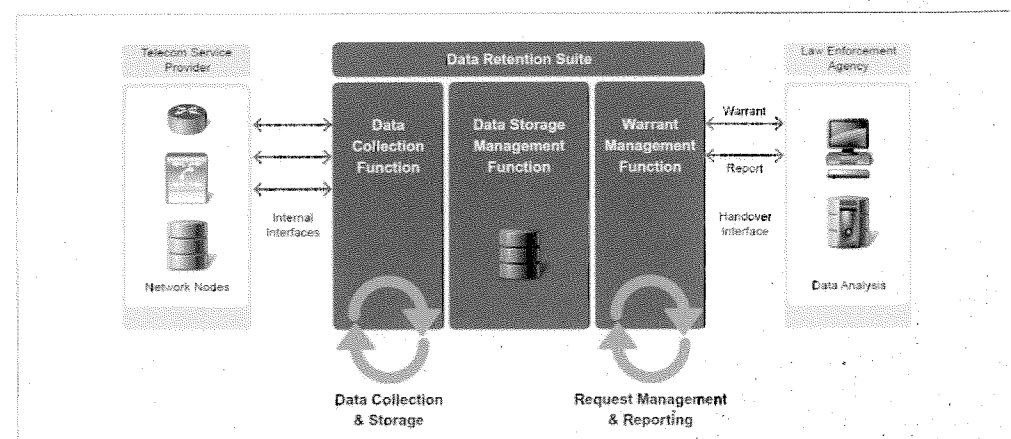
DATA RETENTION SYSTEM

Data Retention System refers to the process of storing call detail records and subscriber data for various telecommunications services for a period of several months and years. Law Enforcement Agencies and intelligence services regard the access to retained telecoms data as an important pillar of criminal investigation and the prevention of terrorism. The common objective is to use the data to identify and trace suspects, uncover social networks among terrorists, or to collect admissible evidence for court proceedings.

Key Features:

- Collects communications data (CDR, IPDR) and subscriber data from any telecommunications network
- Retains large amounts of data in a powerful and secure data warehouse
- Provides very fast search and analytics in billions of data records
- Automates request processing and delivers data to authorized agencies by fax, e-mail, or secure IP interfaces

NEW PORTABLE REMOTE THURAYA MONITORING SYSTEM (TMS)

A New TMS Portable Remote L-band system has been launched which can be used with the existing strategic TMS for increased coverage of the Thuraya network. Each Remote system can monitor up to 7 additional spotbeams – expanding the monitoring capability of your existing strategic system for increased coverage of a selected area of interest; a single Remote System could double the area of coverage. Designed for maximum portability and rapid deployment, the Remote System is encased in a ruggedized, modular casing which can be broken down into 4 individual components for safe transportation. The portable design enables the system to be easily relocated in response to changing targets and areas of interest. Users can assemble the system and it can be fully operational in 30 minutes.

INMARSAT/ I-SAT MONITORING

Inmarsat is the most experienced and widely used satellite in the air sector, sea sector and is gaining more and more interest in the land sector. The number of subscribers has increased in the last year and new services have been introduced like ISAT-Phone. Due to these effects the monitoring of Inmarsat has become important for Lawful authorities.

ISMS (IsatPhone Monitoring System) offers a complete solution for the passive monitoring and interception of the IsatPhone in the air, sea and land network on both a strategic and tactical level. Using C-band and L-band monitoring, the ISMS can provide national and regional coverage for the monitoring of IsatPhone, FleetPhone and LandPhone terminals. In addition to call content, the ISMS solution can provide information on the date and time of call, the numbers dialled, as well as the call originator. The system can also provide the interception of fax and data transmissions.

STRATEGIC COMMUNICATIONS
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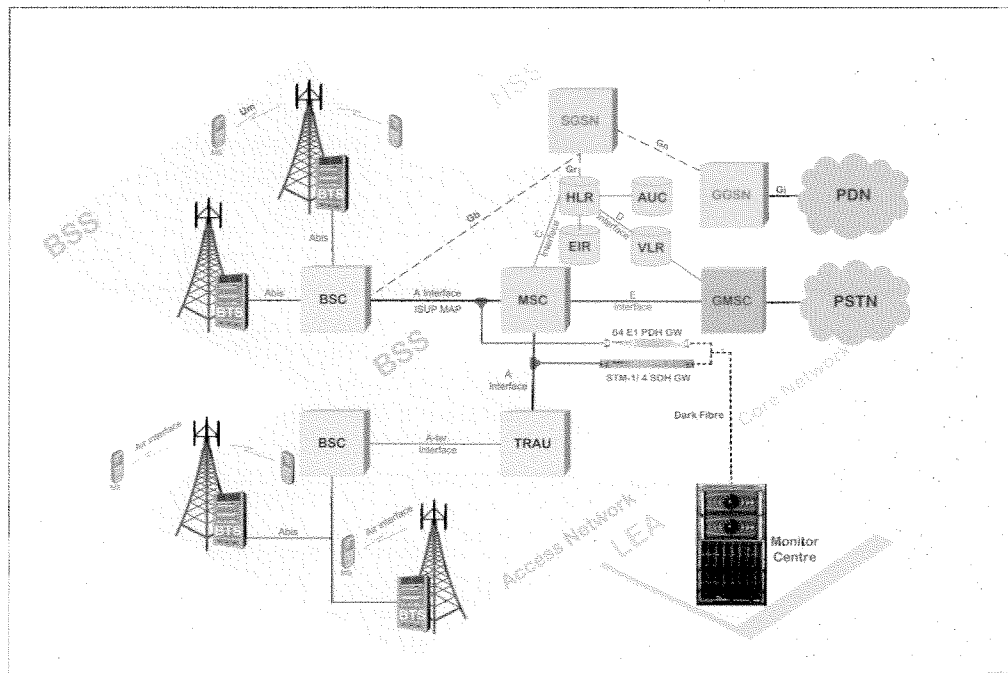MONITORING SOLUTIONS

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PASSIVE A-INTERFACE MONITORING FOR GSM NETWORKS, PASSIVE MONITORING OF ENTIRE GSM NETWORK

The A interface between the MSC (Mobile Switching Center) and BSC (Base Station Controller) consists of E1 or STM-1 trunks. The System solution monitors TDM.

A-Interface links between BSCs and an MSC. It detects calls and text messages on these links and captures IRI and uncompressed G.711 A-Law or µ-Law audio associated with the intercepts. Monitoring of A-Interfaces may be implemented with PDH (64 duplex E1) or SDH gateways (2 x STM-1). In future, we will also support direct Ethernet interfaces. A deployment unit may be used to monitor more than one A-Interface and a number of SS7 links at the same time. The A-Interface solution assumes that TMSIs are also unique within the context of a Location Area Code (LAC) and that the LACs are unique with the context of the PLMN identity. In cases where TMSIs are not unique, different name spaces can be configured. It may not be necessary to monitor all links between an MSC and its sub-tended BSCs.

The A-Interface monitoring solution is illustrated in the following diagram.

With the A-Interface Monitoring System either specific GSM-cells can be monitored or an entire GSM network. The system works completely passive and provides mass-storage capabilities and powerful analysis tools for post processing of huge amounts of data.

WIRELESS LOCATOR SYSTEM (WLS) FOR GSM /UMTS NETWORKS

WLS is the only technology that provides high-accuracy mobile location across all types of environments in a highly scalable and cost-effective way. The easy-to-deploy, easy-to-manage solution provides LI applications with the precise location of mobile devices to accuracy within 50 meters, and gives Law Enforcement Agencies (LEAs) real-time, post-event, geo-fenced and even predictive intelligence using mass Location capabilities.

The Wireless Locator has the following applications:
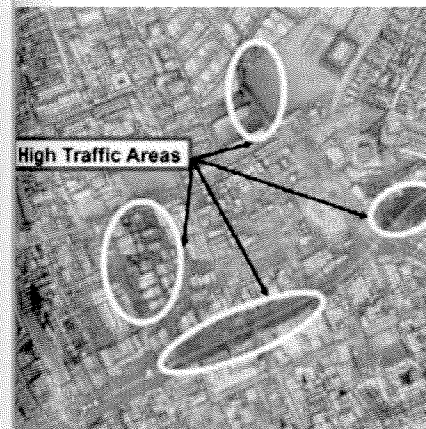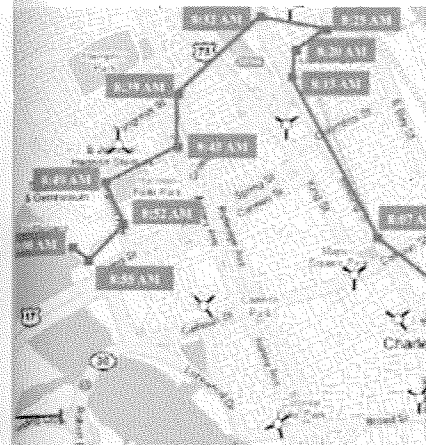
Target-based Location Interception

Adding high-accuracy location information to target-based interception allows LEAs to monitor fleeing suspects in real-time and track a historical "bread-crumb trail" of the wireless activity of a specific user. The highly-accurate WLS solution can pinpoint the location of mobile devices to the exact building.

Mass Location Interception

WLS is the only location technology that enables accurate mass location of all devices on a mobile network. Mass location is especially helpful for post-event analytics based on historical archived data, identifying all wireless activity in an area over a set period of time. This gives LEAs critical investigative information about suspects after an event - such as a bomb going off - including who was present, who they were talking to and what they did in the immediate aftermath.

Border-zone Location Interception

Border-zone location interception allows an electronic virtual fence to be set up around a high security area or an international border, allowing LEAs to track the location of wireless devices that travel in and out of the area. The accuracy of the WLS solution ensures that precise locations are identified along the border zone, preventing even marginal incursions.

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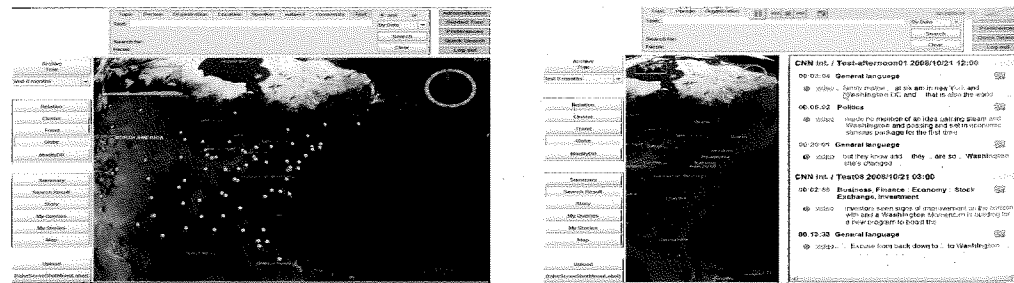# MEDIA MINING AND MONITORING/SPEECH RECOGNITION

Media Mining Indexer is a high end speech recognition product that can automate the process of indexing live news feeds (e.g. TV-channels, broadcashing, Internet live ticker, etc.) and multimedia archives in real-time.

The Media Mining Indexer can process speech from multiple sources in various formats and produce annotated text output in real-time. The XML output is uploaded as input into diverse digital asset management systems for subsequent multimedia search and retrieval.

The advanced speech technologies can inherently handle variations in speaking styles as well as recording environments for different domains in various languages (e.g. English, German, Arabic, Russian, etc.).

The Media Mining Indexer serves as an extremely cost effective solution for media monitoring needs.

Using Media Mining Server with Visual Features Extension for:
- Automatic e-mail notification of alerts (get alerts when something happens)
- GeoServer automatic geographical display of events in the world (for detecting hot spots on the globe, in a continent or in the country)

- 250 m resolution geographical-data
- Automatic clustering of stories (who is reporting about what)
- Automatic trend analysis (how has media coverage of a person, organization or location changed over time)

- Automatic relationship graphs (show relations of people, organizations and locations)

- All data available maximum 4 minutes after broadcast

Text Mining Indexer: Text Mining Indexer One-stop shop for meaningful results when searching different types of data. Search & Retrieve key information contained in emails, electronic documents, and Web content.

Fully Automated Process: The Text Mining System automates the process of text data indexing and annotation, which previously was done manually. This substantially reduces costs while increasing productivity.

Web Pages: The Text Mining System includes the Labs WebCollector, an application that analyzes configurable places on the Internet for web pages and updates.
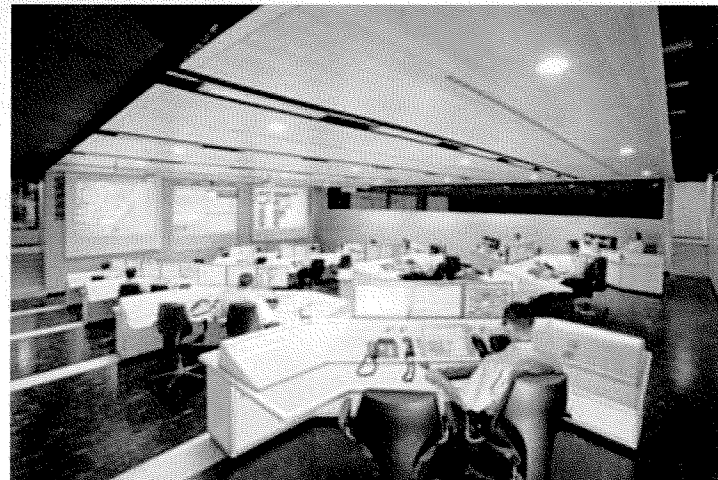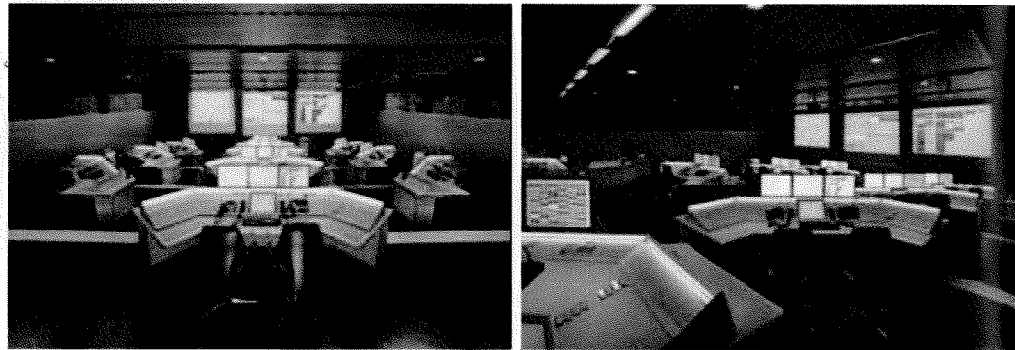
E-mail: The Text Mining System includes the Labs E-mail Collector, an application that analyzes content of e-mails of configurable POP3 and IMAP user IDs.

Electronic Documents: The Text Mining System includes an electronic document converter that allows for indexing of Microsoft Word XP and 2003, HTML and PDF documents.

Instant Access / Real-Time Indexing: The indexed results are obtained as soon as content is available.

COMMAND CONTROL CENTER, CENTRAL
CONTROL ROOMS, CRISIS MANAGEMENT CENTER

Today's complex control centers consist of many individual components. The System is able to cover all of the core tasks of a control center with a variety of specific products. These products are of course fully comparable within the system, of course. Moreover, they are fitted with highly flexible interfaces. Thus, in addition to the core tasks of a control center, also all other tasks and functions can be executed and integrated under one user interface – **integrated Command Control Centers.**

When it comes to the core technologies of a modern command center for public authorities and organizations with security tasks, the system provides all the necessary features and elements. These include:

• Host computer software
• Geographical information system (GIS)
• Switching technology (radio and emergency calls)
• Integrating and interfacing of various systems (communication-Tetra and Monitoring systems-Audio-Video-data-Telco, etc.)

The System's core offerings are complemented by special software for the smooth operation of technical administration in a command center, as well as the functional and ergonomically designed command center desk.

Easy recording of incidents, recommends resources to the dispatcher and can be used for automatic warnng processes. Appropriate interfaces for numerous interesting control variants.
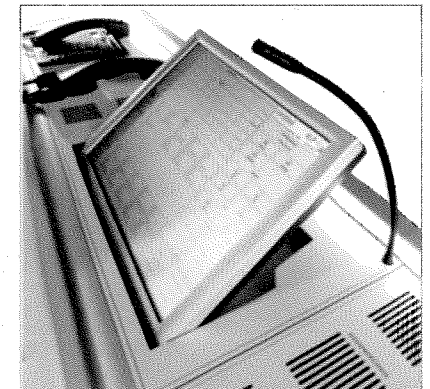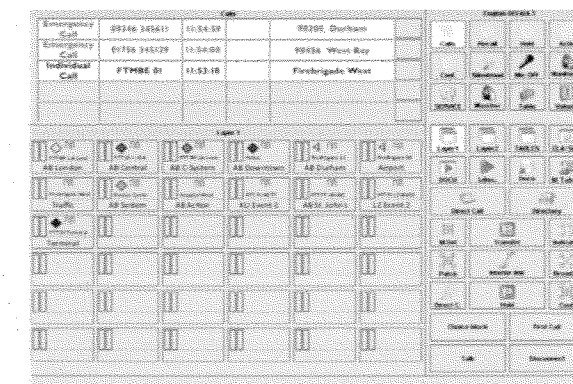

Geographics Information System (GIS) that visualizes the position of the place of incident/ operation/etc.
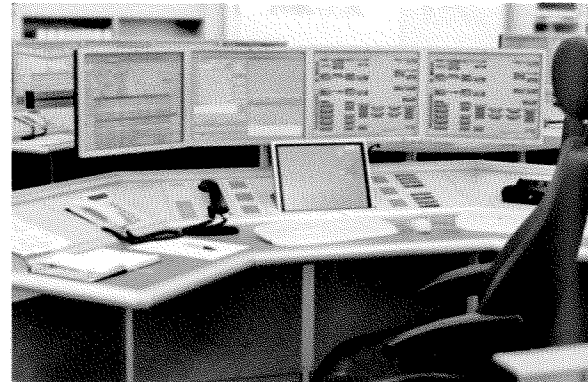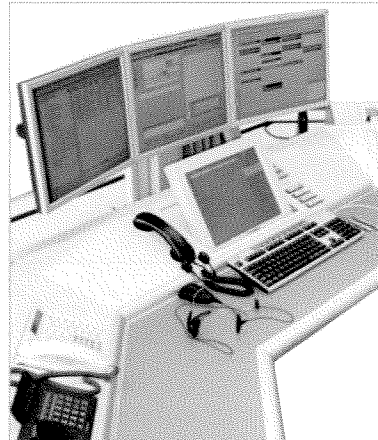GIS-Data turns into images.

Integration of digital trunk radio networks (Tetra), Data transfer, etc.

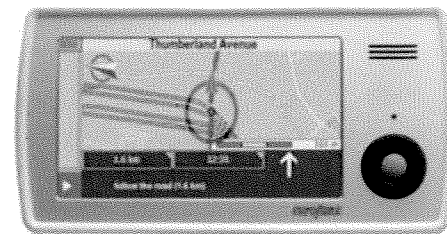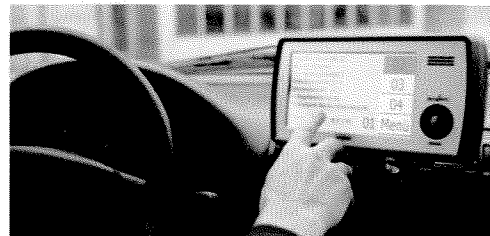## Documentation/ voice-Logging and reporting system

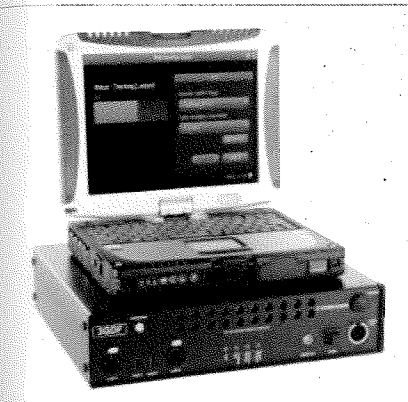## The Innovative Command Control Center Desks Console

The cockpit shape of the BOS VARIClass with optimally balanced proportions provides for good overview efficient working.

Radio Devices and peripheral systems for every use case

3GN IMSI CATCHER

3G Blind Call is a new software feature for the 3GN UMTS system. It allows 3G phones to be locked to the 3GN and placed in a UMTS blind/ silent call for tracking purposes. This is the only way to establish blind calls to phones that are set in "3G only" mode, and it removes the reliance on passing the 3G phone to a GSM system for tracking – the target phone stays on 3G frequencies at all times. The 3G-DF can detect and track the signal from a 3G phone in a blind call, allowing the DF operator to locate it.
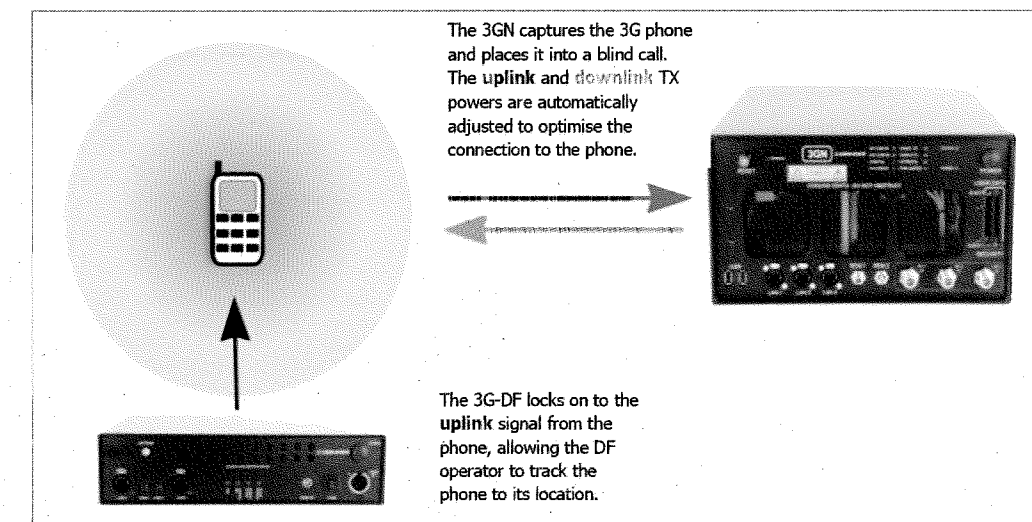
Blind Call Features:
- New Acquisition mode for the 3GN and DF target status for 3G phones makes operation simple
- Multiple 3G blind calls can be supported by each 3GN Node B
- Automatic 3G power control ensures that Node B and phone TX power are continually adjusted to optimal levels to maintain the blind call
- The 3GN can continue to take registrations from other 3G phones whilst maintaining a blind call to the target phone

3G Direction Finder Features:
- Provides indication of target RSCP (Received Signal Code Power) to enable operator to judge distance and bearing to target
- Features graphical and audio feedback of current target RSCP level for ease of use in challenging operational scenarios
- Quick and simple to use with minimal configuration required

The 3GN captures the 3G phone and places it into a blind call. The uplink and downlink TX powers are automatically adjusted to optimise the connection to the phone.

The 3G-DF locks on to the uplink signal from the phone, allowing the DF operator to track the phone to its location.

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XPZ WIRELESS IP

The XPZ is normally controlled by a Cat 5 cable that connects the laptop to the XPZ.
We can provide you with our secure wireless IP connection instead of the cable connection, enabling remote controlling of the XPZ from a safe remote location.
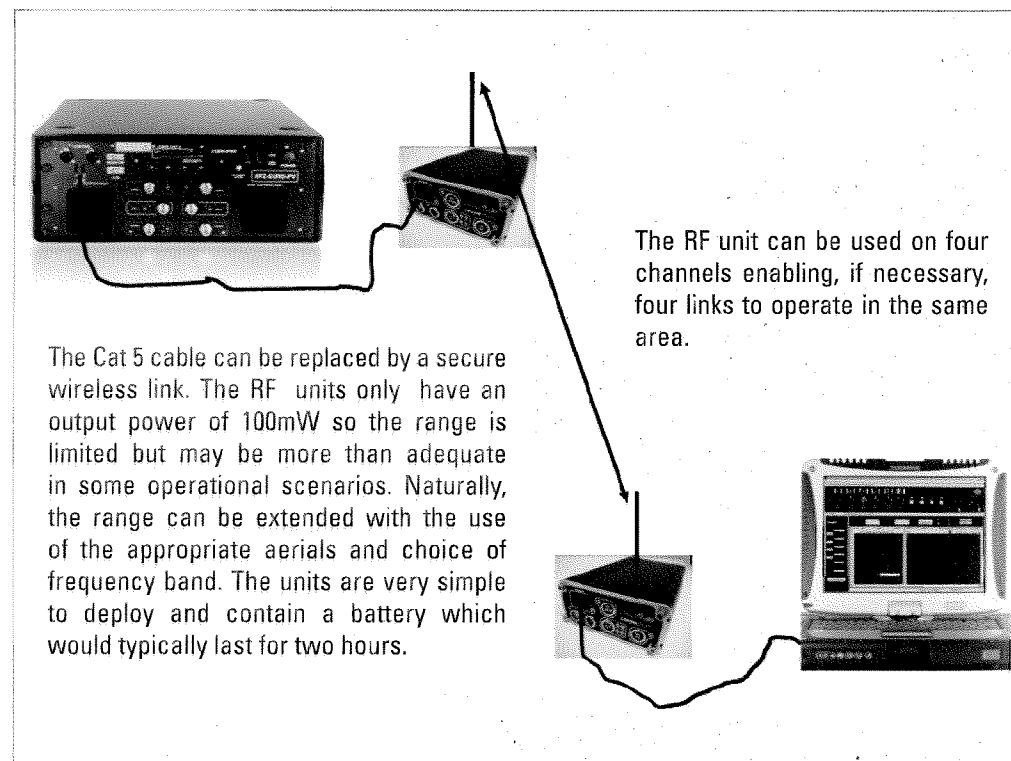
This is possible in different ways:
RF units
- Four channels enabling four links to operate in the same area
- Secure wireless Link
- Output power of 100mW
- Simple to deploy and contains a battery (typically last for 2 hours)
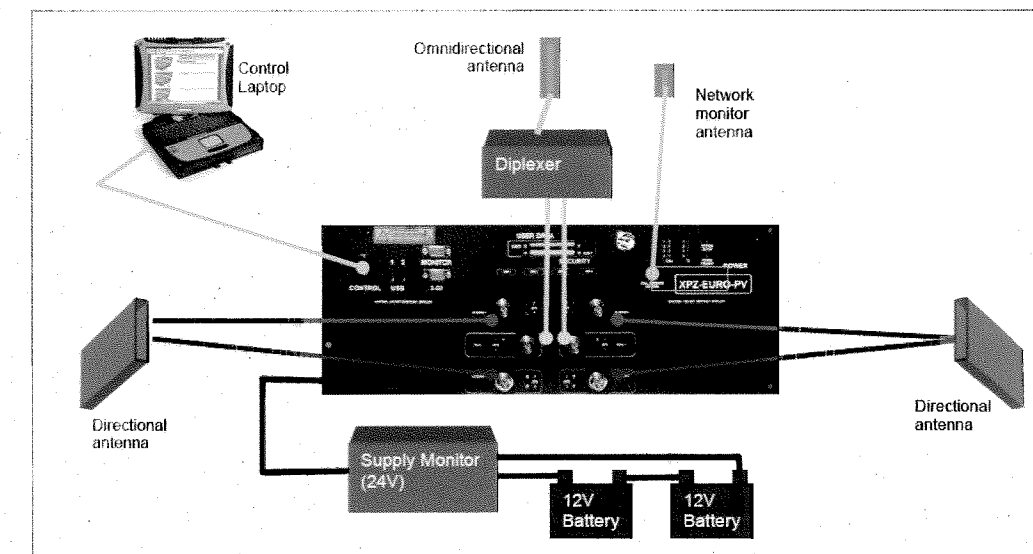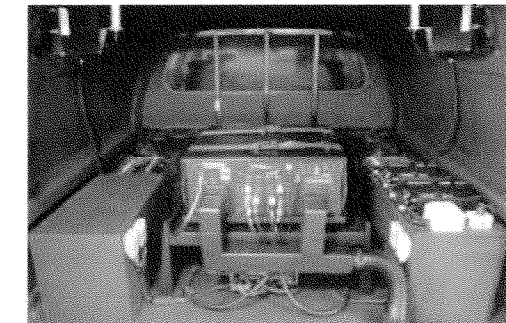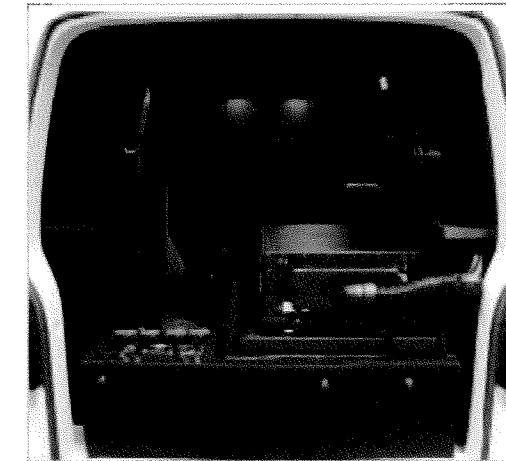- Range extensions by deploying additional units

High Powered Wi Fi units
- Longer range
- High output 10-20W
- Incorporate 3G Router

COFDM MESH units
- Diversity reception to greatly enhance the range; copes better with multi path conditions
- MESH Network could be linked to www by secure 3G router/VPN or satellite connection

The RF unit can be used on four channels enabling, if necessary, four links to operate in the same area.

The Cat 5 cable can be replaced by a secure wireless link. The RF units only have an output power of 100mW so the range is limited but may be more than adequate in some operational scenarios. Naturally, the range can be extended with the use of the appropriate aerials and choice of frequency band. The units are very simple to deploy and contain a battery which would typically last for two hours.

GSM OFF-AIR TACTICAL SYSTEM INTEGRATION EXAMPLES

TACTICAL GSM-OFF AIR MONITORING (PASSIVE)

Wideband Passive GSM/GPRS off air Interception System

APPLICATION

The system is an advanced multi-band (900, 1800, 450, 850, full rate, half rate Ext. GSM, etc.) fully passive GSM interceptor designed to intercept the entire bidirectional traffic (GSM, GPRS, voice, data, MMS, SMS, EMS) occurring between Base Transmitting Stations (BTS) and Mobile Stations (MS) and located within the system operational range.

As a receive only system, it is totally stealth (no interference with the network) and has high performances thanks to a unique architecture. The System offers real-time communication interception and direct-to-disk recording capabilities. The System is fully programmable and configurable via a user-friendly GUI including filtering and triggering capabilities.

MAIN FEATURES

- Voice and data interception (data GSM/GPRS, SMS/EMS/MMS)
- Automatic network and environment analysis for easy system configuration (operators detection, cell detection...)
- Up to 256 full duplex simultaneous communication interceptions (voice and data)
- Real-time listening of 2 full duplex communications per operator workstation
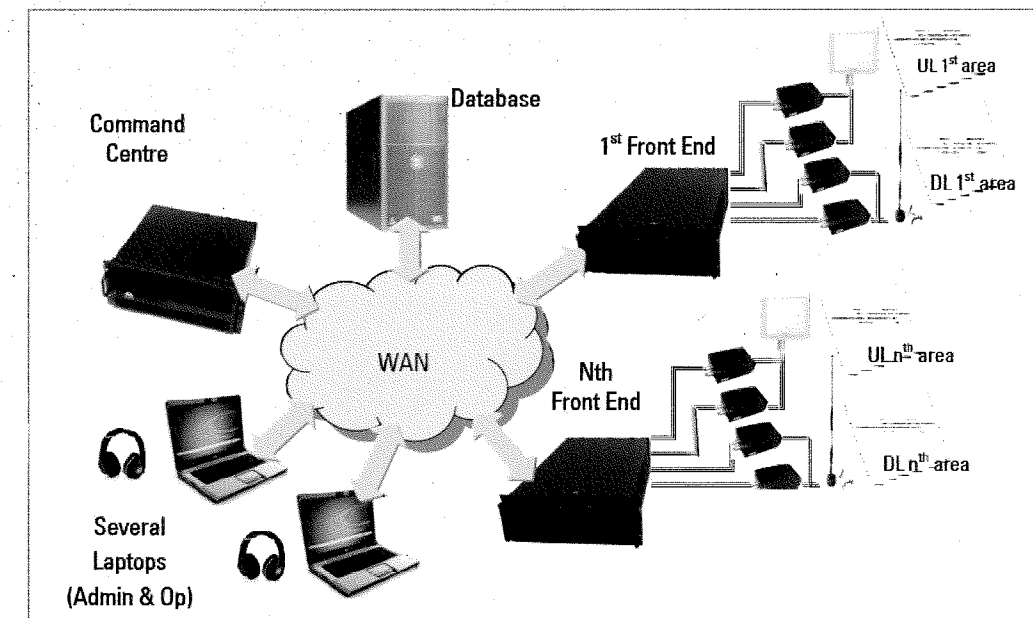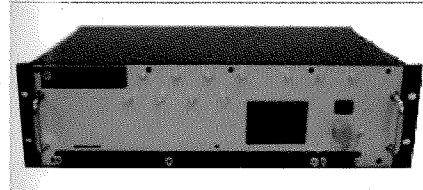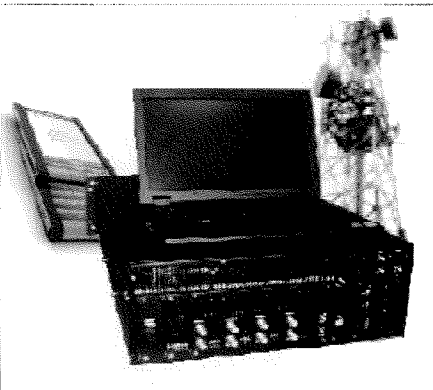
SYSTEM CAPEBILITIES

- 2 full duplex (or 4 simplex) bands among GSM450, GSM850, EGSM900, DCS1800, PCS1900
- Full band analysis: Simultaneous acquisition of all channels (374 for DCS1800)
- No limit on frequency hopping
- Up to 64 cells simultaneously under surveillance
- Exhaustive start of communication detection
- Up to 256 full duplex communication interceptions (voice and data)
- Real-time handover management

FILTERING CAPABILITIES:

- Service provider selection
- Cell selection: power & quality criteria
- Call selection: uplink power & quality criteria
- Service selection: GSM, GPRS, SMS, In/Out call ...
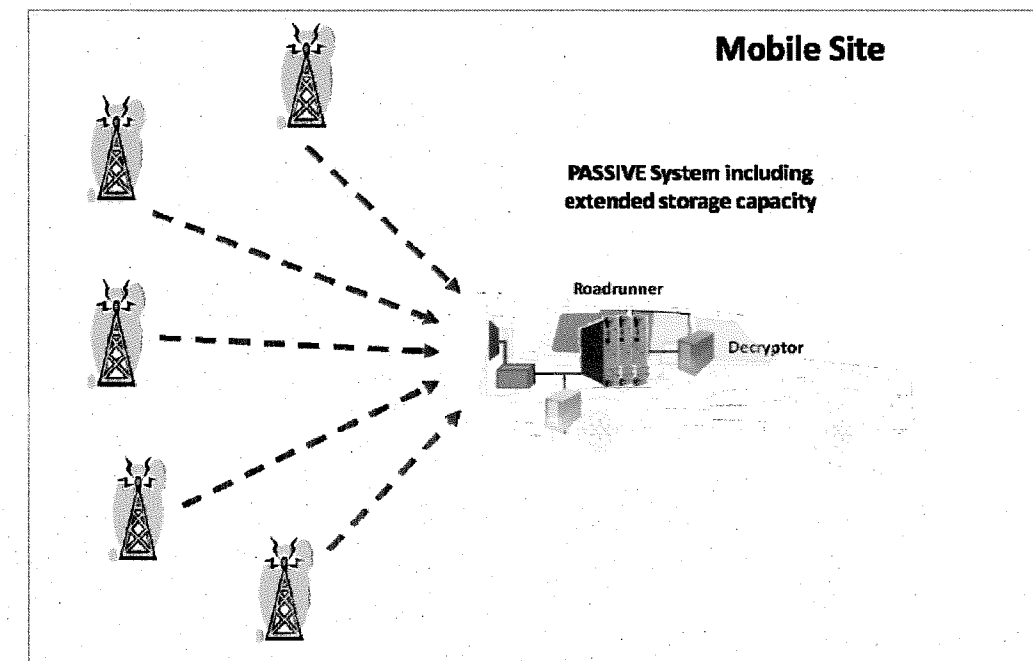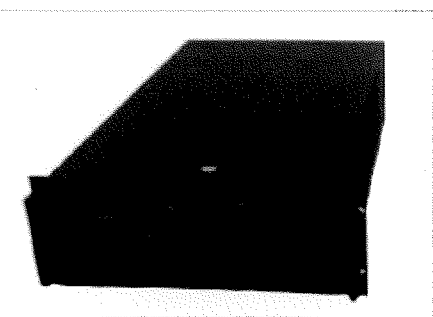- Target selection: TMSI, IMSI, IMEI, MS-ISDN

Unit optimized for Massive Intercept, fixed installation

- Real-time up-to 30,000 intercepted communications p/hr
- Can be upgraded to handle 37,500 communications p/hr
- 19" 4U, depth 800 mm
- Weight 32 kg
- Power supply: 110-230 VAC, 600 W
- 1 TB for intercepted traffic storage

Portable unit for tactical operations

- Real-time 15,000 intercepted communications per hour
- 19" 3U, depth 285 mm
- Weight 15 kg
- Power supply : 24-36 VDC, 350 W
- 1 TB for intercepted traffic storage
- Vehicle Integrations: Covert antenna mounting & car installation kit

Mobile Site

PASSIVE System including extended storage capacity

Roadrunner

Decryptor

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TACTICAL INTERNET MONITORING SYSTEM

The System is developed to monitor, capture and evaluate internet traffic on a tactical level. The system does not reduce bandwidth and speed of the target's connection. It can be connected to any ADSL network. The system supports ADSL and future generation ADSL2 and ADSL2+ protocols. Two ADSL lines can be monitored simultaneously.

Features of Capture Unit:

- If needed, the system can capture the complete traffic
- MAC address filter options to decrease the data volume
- The Capture Unit is controlled by remote (encrypted)
- From ISP side the Capture Unit is invisible

Features of Operator Unit (Laptop):

- Provides substantial server control functions (maintenance, control of capturing services)
- Download data, sort and filter data, manage targets
- Low weight and easily transported
- Can also be used as normal office laptop
- Support of all modern media and office applications

ANDROID SURVEY APPLICATIONS

We have developed a number of applications for the Android operating system as used on the Google Nexus 1 phone.

These application will allow the following:
- Scene of crime survey tool
- Network coverage logging, all networks, GSM and 3G
- Logging of local WiFi access points with GPS position
- Local display of logs on Google Earth
- Display on Google Earth using exported KML files
- Interface to any desired Database

Application for semi mobile use:
Synchronisation devices, tuners, antenna connection board, LAN switch, DF server, Intercept server, Power supply

PORTABLE WIDEBAND RADIO FREQUENCY MONITORING SYSTEM WITH DIRECTION FINDING

The portable wideband Radio Frequency Monitoring system scan the complete frequency band from 100 kHz until 30 MHz and stores this information in a data base.
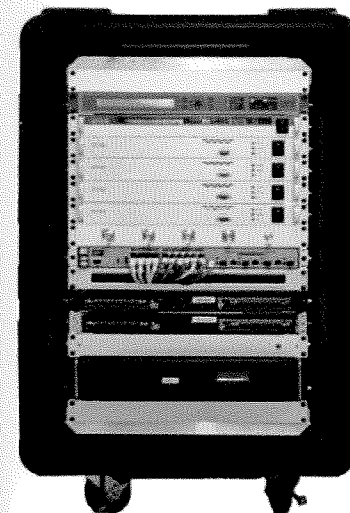The Multi-channel Direction Finding system with 500 kHz Bandwidth, and a workplace is an extraordinary system for an analyst's work. It is suitable for multi-channel direction finding, broadband reconnaissance and interception. It offers a lot of analysis and classification capabilities for automated and interactive investigations. Each configuration can be optimized for specific tasks and all configuration data is stored in a setup file.

The system is open for customer specific analysis software.
The system is characterized by the following features:
- Multi channel direction finding (Watson Watt) and Wideband HF interception with 500 kHz real-time bandwidth (2000 kHz on request)
- 500 kHz wideband recording on hard disk, e.g. for 300 minutes and disc long-term archiving (2000 kHz, additional storage capacity upon request)
- Open for customer specific software (virtual device, MATAB)
- Automated hopper detection and de-hopping
- Automated signal classification and activity list
- Modulation type analysis

Two workplaces are suitable to perform both tasks in parallel. One for Online monitoring and one offline in-depth analysis.

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TECHNICAL SURVEILLANCE
SYSTEMS - VANS/CARS

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HIGH PERFORMANCE PORTABLE RADIO MONITORING SYSTEM

The unit is housed in a sturdy, high-impact transport case containing one or two receivers with associated antenna interface circuity, a power management system and a laptop. The built-in power management system allows operation from three sources: mains, vehicle battery or built-in rechargeable battery. The entire system is lightweight and easy to carry. The system can be specified with a single or dual receiver configuration. In a dual receiver setup it is possible to monitor the demodulated audio signal of the received frequency, without any interference, which is inherent to the pseudo-Doppler technique.

The Direction Finding system (DF) employs the proven pseudo-Doppler method, combined with statistical signal processing, to deliver a cost-effective, yet highly accurate, DF solution for government, military, law enforcement and industrial applications.

The entire DF system comprises of fully integrated receivers, battery, charging unit and control circuitry in a compact sturdy carry case, ready for quick and easy deployment anywhere, with or without external power sources.

The fully weather-proof antenna system comes with a sturdy tripod and employs 8-pole arrays for HF/VHF and UHF frequency bands for maximum accuracy.

The Multichannel Radio Monitoring System is shipped in a specially designed ruggedized 19" rack-mounted chassis with built-in shock absorbers, to ensure safe shipping.

The unit can then either be removed from the enclosure, or operated from inside it. This is particularly useful for mobile operation.

The system is shown together with a matching antenna distribution unit which is also suplied in a similar protective enclosure.

For stationary applications, various rack-mount options are also available, ranging from a single-unit arrangement (pictured) to large-scale installations. For these, we provide complete turn-key solutions, including antennas and antenna distribution units.

SURVEILLANCE VANS

We are a company backed by many years of experience in technical intelligence techniques and equipment.

We work exclusively on behalf of authorized Government Security Departments and Law Enforcement Agencies. As a result of many years of "active service" for clients worldwide, our assistance is highly sought after.

We will individually design surveillance vehicles to your exact requirements, meeting with you at all the major milestones during the design and integration process to ensure that each vehicle, not only meets your current needs, but can also be upgraded in line with future technological developments. No two surveillance vehicles are alike. These vehicles are especially designed to meet individual needs, such as vehicle type, finish, operational usage, equipment for integration, etc. Whatever you are looking for, from a very basic surveillance, command or communications vehicle, to a complete mobile command and control center, we can provide a complete design and integration service.
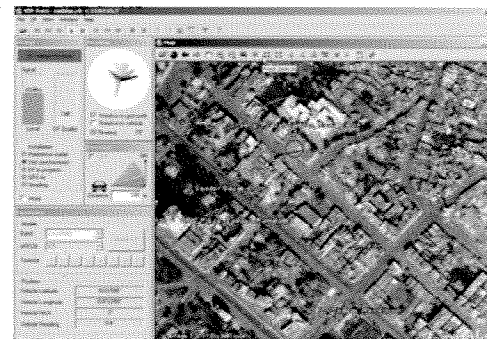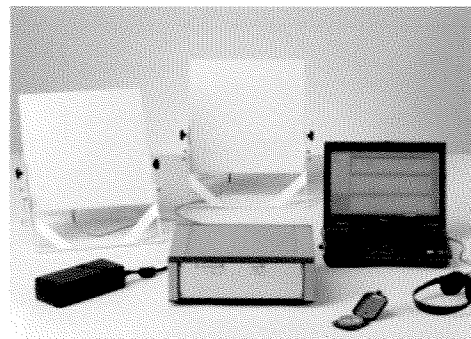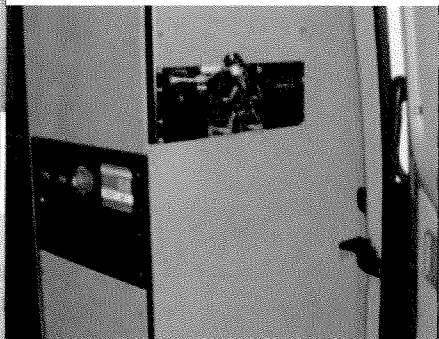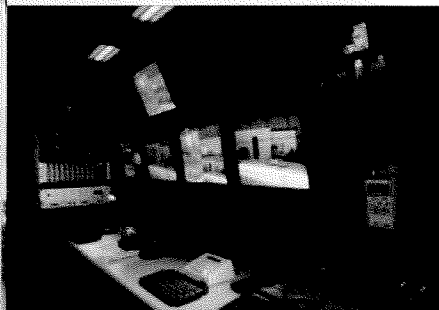
COMMUNICATIONS MONITORING VAN INTEGRATION

Model 7007 Communications Monitoring Surveillance Van represents a new era in communications monitoring platforms integrating live off-air monitoring of GSM, UMTS, DF, Thuraya-Satellite Monitoring and IT wireless LAN Intrusion. The Communications Monitoring Surveillance Van also provides links to the endusers headquarters enabling on-site surveillance operations to be carried out quickly and effectively. The Communications Monitoring Surveillance Van platform can be installed into various vans (i.e Mercedes Sprinter, Toyota Hiace or GMC Cargo Van) and provides operating areas for up to 3 operators. Included in the van is technical analysis and workshop support areas. The Model 7007 is constructed of high quality material and is built by craftsmen with over 30 years of experience in vehicle design and conversion.

Equipment Installation Options:
* Active Off-Air System Mobile Version
* Active Off-Air UMTS
* GSM Mobile Tracer & Locator
* GSM Vehicle Direction Finder
* Thuraya Satellite Monitoring System
* Wireless LAN Interception
* RF Monitoring
* Passive Monitoring
* Includes floor, walls, and front bulkhead, ceiling framing; minimum of 50 mm polar fiber insulation. The operational area inside the van has some ECM screening
* Secure Storage of Equipment

3G-COFDM-IP MESH SURVEILLANCE VEHICLES

The Remote Video Surveillance Vehicle System is designed to allow covert video and audio surveillance of a target area without detection, allowing greater flexibility during surveillance operations.

The system allows the operator to park the vehicle close to the target's location, house, office, restaurant, etc. and transmit the gathered information back to the command location in a surveillance van, observation point or another support vehicle.

It allows the operational surveillance team to monitor by video, for example, the images of the target location from the four cameras concealed within the vehicle.
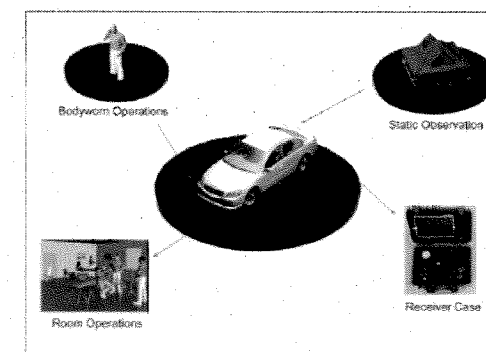
It allows the surveillance team to monitor audio transmissions from the target location from room or body-worn equipment, and activate hidden microphones linked to the Remote Case.

It also allows the operational surveillance team to connect external video and audio equipment to allow long range observation of a target in a difficult environment or remote location.
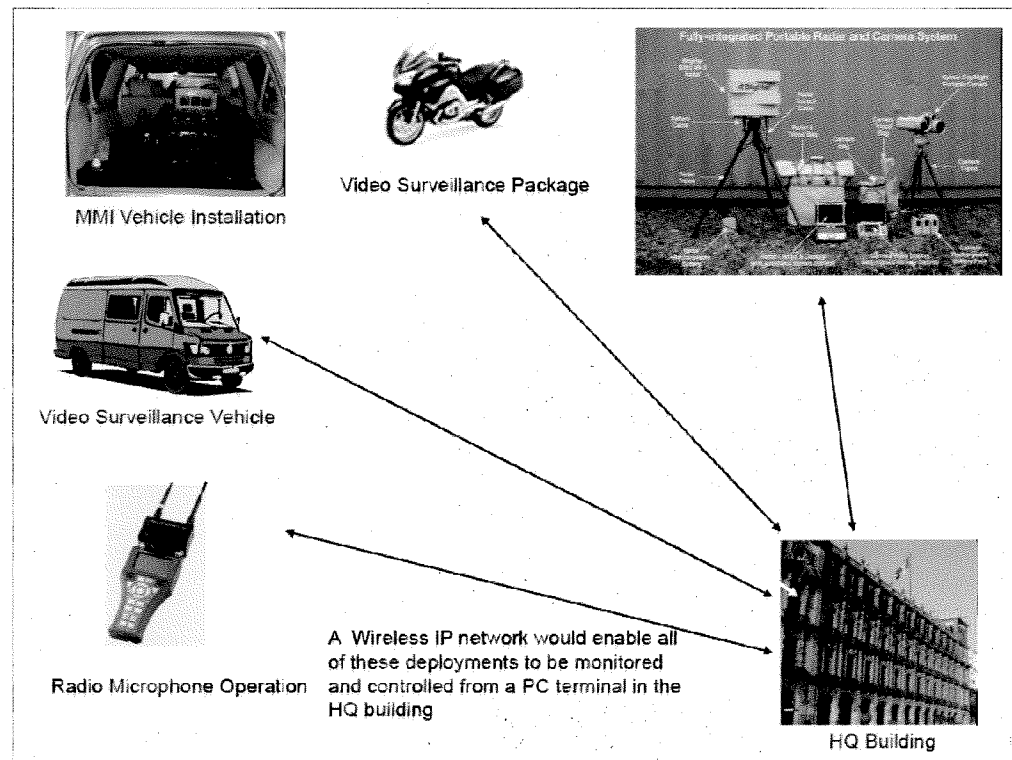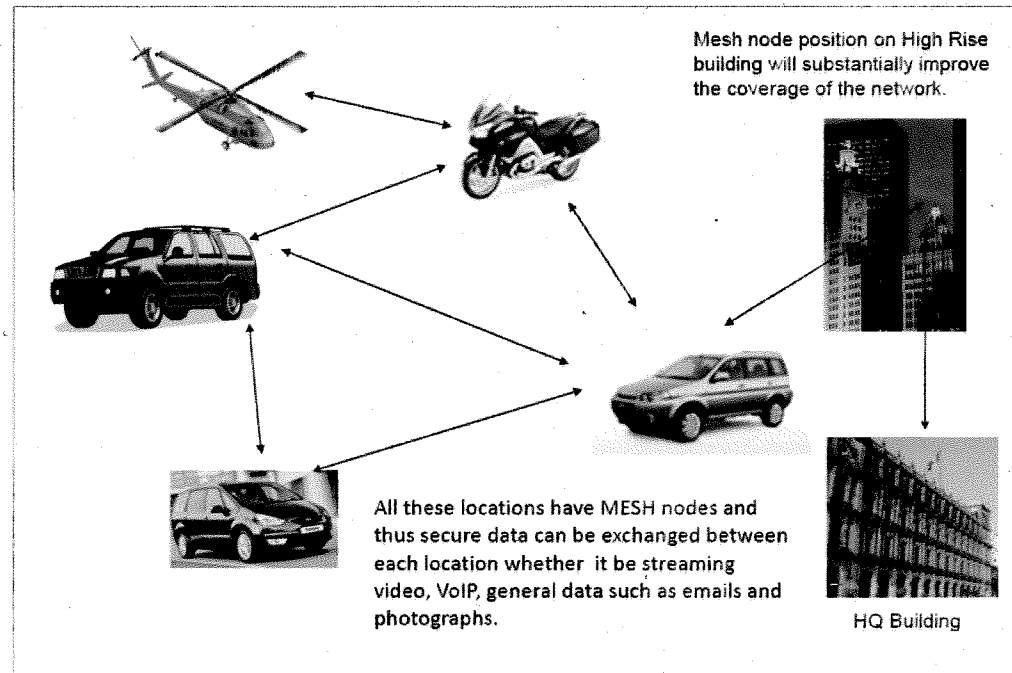
Control of the system is by a digital telemetry link, which allows full control of the camera selection, pan, tilt, zoom functions, as well as repeat incoming video and audio signals from the room or body-worn systems used by the undercover surveillance team.

These remote systems are usually fitted into vehicles (saloon cars, 4x4s) that can then be left unattended in the surveillance area, transmitting the intelligence information required to the Command Surveillance Vehicle COFDM/IP MESH/3G.

Using our unique Motorbike Remote System, as part of the total surveillance operation, allows even greater flexibility in the covert surveillance operation. The Motorbike Remote System allows the surveillance team to link several video/audio remote systems into the total surveillance concept.
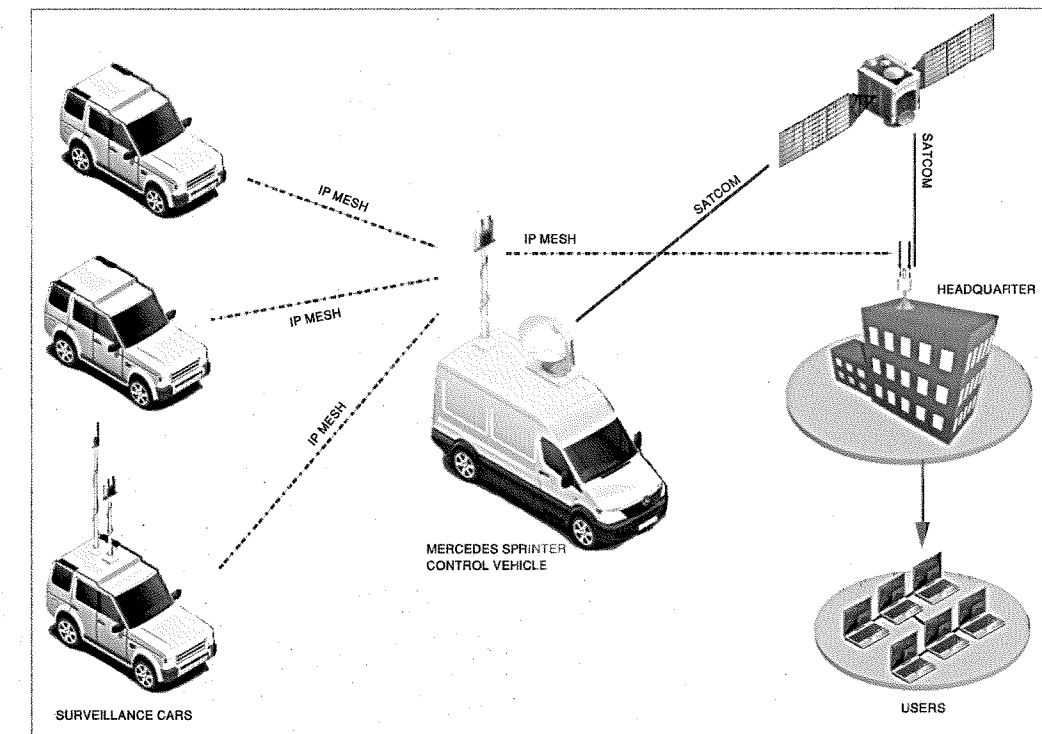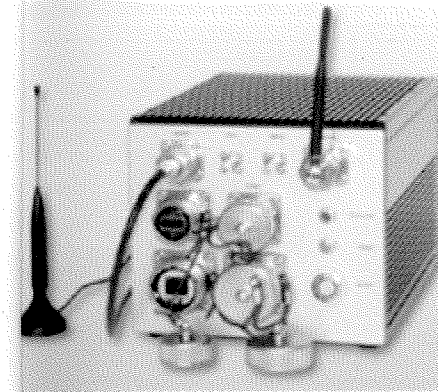
TECHNICAL SURVEILLANCE
SYSTEMS - VANS/CARS

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WIRELESS IP NETWORK MESH SURVEILLANCE EXAMPLES

Mesh node position on High Rise building will substantially improve the coverage of the network.

All these locations have MESH nodes and thus secure data can be exchanged between each location whether it be streaming video, VoIP, general data such as emails and photographs.

HQ Building

MMI Vehicle Installation

Video Surveillance Package

Video Surveillance Vehicle

Radio Microphone Operation

A Wireless IP network would enable all of these deployments to be monitored and controlled from a PC terminal in the HQ building

HQ Building

SECURE MOBILE NETWORKING

This unit provides communications solutions for scenes without infrastructure or where infrastructure has been destroyed. It is flexible, broadband, secure and versatile, covering a wide-area and dynamically optimizes a communications solution. It is designed for mobile users, for mobile use in vehicles as well as being a fixed or portable communications solution. It allows transmission data rates of up to 6.5 MBit/sec for mobile and up to 16 MBit/sec for stationary use. The unit provides sufficient throughput for applications such as audio, video and data transmissions. The unit relay feature allows unproblematic implementation of even broader ranges. It ensures the confidentiality, integrity and authenticity of the transmitted data at all times, and uses powerful, officially approved security mechanisms (in accordance with BSI guidelines). The use of amplification mechanisms ensures a range of typically 2 km between two devices.

IP MESH
IP MESH
IP MESH
IP MESH
SATCOM
SATCOM
HEADQUARTER
MERCEDES SPRINTER CONTROL VEHICLE
SURVEILLANCE CARS
USERS

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LONG-RANGE AUDIO CAPTURING & RECORDING SYSTEM

The Model 6309 Audio Scope System is a high-performance audio capturing and recording system customized for the intelligence end-users. The unit allows an operator to zoom in on a particular object and record required sound in much the same way as a camera zooms in a picture. This makes the unit an ideal solution for separating out conversations in noisy environments. There is both fixed and mobile solution. The core component of the unit is a microphone array composed of 285 individual microphones integrated in a slim 1.5-meter dish.

The exact direction for sound pickup is steered from the video screen without any physical movement of the dish. The advanced signal processing makes the targeted sound source clearly audible, even in a noisy environment.

ZOOM IN ON SOUND SOURCES POST RECORDING
Any audio missed in real-time can be captured later in replay. This unique function is ideal for crowded places where the operator does not know from whom or where he would like to separate the sound until later.

INTUITIVE USER INTERFACE
The system's very intuitive user interface offers fast, accurate operation of the unit. The operator monitors the live on-screen view from the camera, and simply moves the cursor to capture selected audio. The trackball is used to follow moving objects and the jog wheel to go back in time for replay. The system supports multiple output channels and the operator can select up to five listening zones simultaneously – both in real-time and in replay. The operator can also choose to select filters to eliminate undesirable sound and noise.

Mobile System installed in a car tire

Fixed System installed in a room ceiling

Mobile Configuration

Fixed Configuration

GSM/GPS TRACKING SYSTEM A8

The Model 7312 Tracking System A8 is a GSM audio Transmitter with an Integrated GPS module, data logger, movement sensor, switched output and the option of Audio recording. Transmission of position data occurs via SMS, CSD and GPRS connection. The internal data logger uses micro SD card to store the traces. These data can be also received via CSD, GPRS or USB Connection. The control and the configuration of the A8 Tracking device is also possible via SMS, CSD, GPRS and USB Connection.

3G, GSM, VOIP CALL DIVERTER

Deployed in situations where a users true mobile number needs to be withheld. The Model 4016-2 3G is a convenient means of providing untraceable communications for Voice, Text and Pictures and is ideal for:
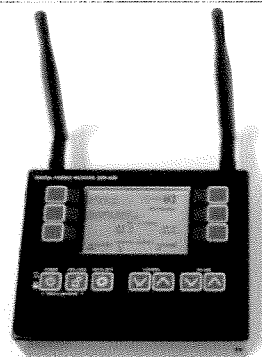- Law Enforcement Informant and Operative Management
- Intelligence and Counter Intelligence work
- Hostage/Kidnap communications
- Witness relocation/protection communications
- Providing undercover operatives a covert comms recording facility
- Countermeasures against GSM/3G location services

The unit is a self-contained remote call diverter for use with GSM and/or 3G networks. It allows calls to a given mobile to be diverted to another mobile or to a VoIP terminal, thereby, ensuring the anonymity of the called or calling party. Where an incoming call has to be monitored e.g. kidnap scenarios, it offers digital recording and live monitoring on all diverted calls.
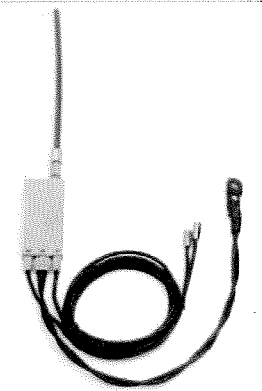
Key features of the system are:
- Receive and transmit text messages from any GSM/3G network
- Automatically redirect text/picture messages and audio
- Make a VoIP call from anywhere, and appear to be a local Mobile
- Internal logging of all received and transmitted messages
- Screen and keyboard user interface
- Redirect to a predetermined number or VoIP terminal
- Change predetermined number via text message
- Operates with any 3G/GSM network provider (including pre-paid)
- Totally under the control of the operator. No network involvement
- Compact system, totally portable (12v dc power requirement)

DIGITAL STEREO RECEIVER INC. IP

The Model 1031 Stereo Receiver is a handheld unit providing digital wireless microphone systems, which offer extremely high quality audio output. It is a true dual diversity receiver designed to counteract multiple reflections in difficult radio frequency environments. Dual antennas and receiver channels operate in parallel with proprietary circuitry to identify and select the better input. Modern Digital Signal Processing is also employed to achieve the best possible results.

DIGITAL STEREO AUDIO TRANSMIITTER INC. IP

Smaller than ¼ the size of a credit card and only 4 mm thick. The tiny transmitter can fit into practically any concealment. The low power consumption combined with outstanding stereo or mono audio (up to 8000 Hz response) makes this transmitter an outstanding performer. The ultra miniature positive lock connectors allow flexibility for microphone interchangeability and the connections will not come apart. A milled aluminum case provides exceptional durability.

BLUETOOTH AUDIO SURVEILLANCE

The Model 6411 is a multipurpose audio surveillance system based on Bluetooth wireless technologies. It can be used for live surveillance or as a recording device for audio or GPS tracking data or as a combination of the two.
Applications:
1. Combined Tracking and Audio Surveillance
2. Simultaneous Live Tracking of Multiple Targets
3. Officer Safety (Force Protection)
4. Room Audio Surveillance

ADVANCED DIGITAL STEREO/AUDIO SURVEILLANCE SYSTEM

This 6100 system is a full-featured, portable digital audio listening and recording solution for Law Enforcement Agents, Intelligence Services and the Military. The system provides 57 RF channels and 8 RF repeater channels and is extremely suitable for multi-location surveillance operations. The 6100 Series receives, records, and plays audio from their transmitters.
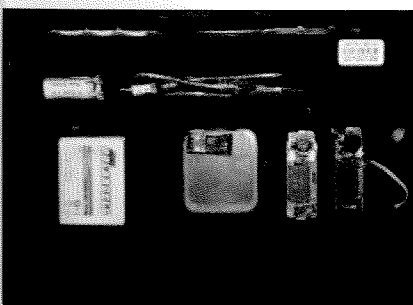
MOBILE ROUTER

The Model 104 Mobile Router is an ideal solution for providing secure global communications to your systems, machines or remote networks. Using our mobile router there are no distance limitations, for remote site monitoring! All you need to get connected is our Mobile Router and a SIM Card from your mobile internet service provider. Router includes quick and easy configuration wizard. The step by step wizard will help to set up 3G settings and create a local wireless network within minutes. Built-in firewall protects the local network PC's from intruders.

AUDIO CONCEALMENT KIT

The 6517 kit includes:
* 1 body-worn recorder
* 1 covert belt recorder
* 1 covert watch recorder
* 1 covert lighter recorder
* 1 covert keyfob recorder
* 1 GSM/recorder for rooms or cars
* 1 covert harness
* 1 set of batteries

MICRO RECORDER KIT

The Model 6518 Micro Recorder Kit consists of 2 Micro Recorders, small enough for easy concealment, and with capabilities ideal for multiple scenarios. To accompany the Recorders are multiple power sources of different sizes, length of operation life, and power input. The Kit also comes with multiple rechargeable LiPo batteries, ranging from 250mAh up to 1Ah, compatible with non-rechargeable 19Ah batteries and also a mains power supply.
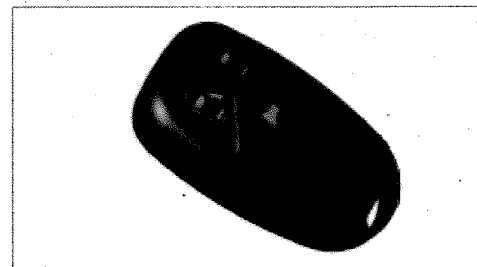
VIDEO RECORDER
CONCEALMENT KIT

The 5626 kit includes:
* 1 body-worn
* 1 video/audio keyfob
* 1 video/audio covert earphone
* 1 video/audio coffee cup
* 1 video/audio smoke detector
* 1 covert video/audio PCB
* Accessories
* 1 set of batteries

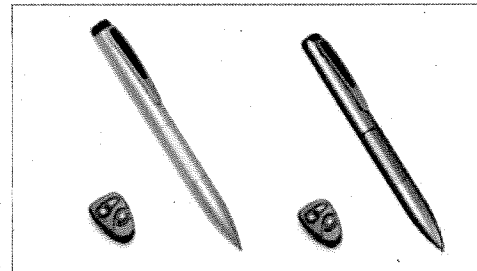## MODEL 5610 COVERT VIDEO AUDIO RECORDERS OPTIONS

Model 5610-3
5MP - 8 GB

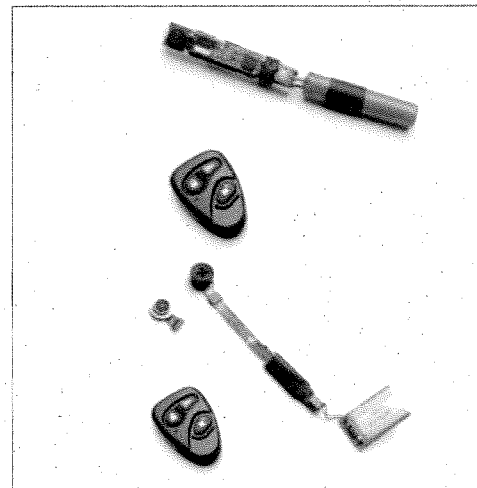Recording Time: over 100 minutes

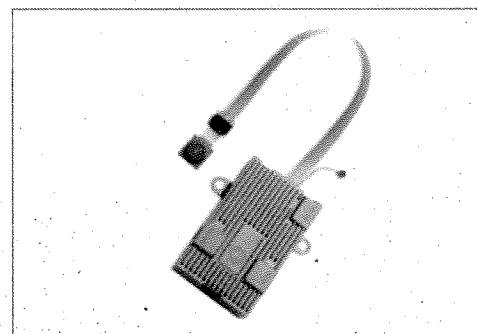**Model 5610 - Pen**
2MP - 512 MB

Recording Time: Over 2 hours

Model 5610 - Pen Kit
2MP
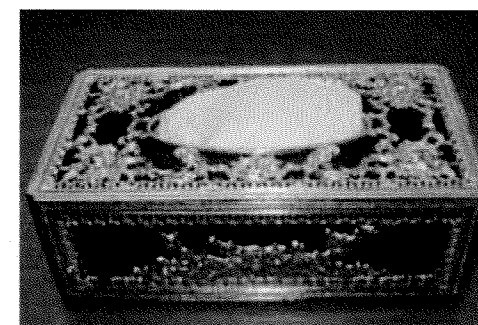
Recording Time: Over 2 hours
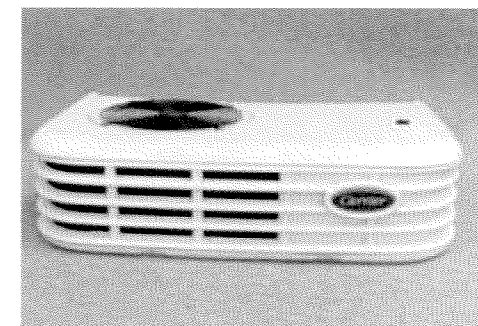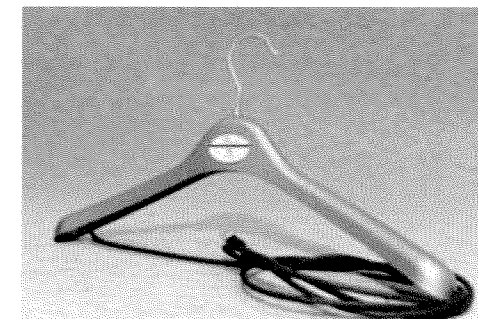

Model 5610 - Set Kit
5MP - 8 GB

Recording Time: Over 2 hours

VIDEO OBSERVATION CONCEALMENT EXAMPLES WITH OR WITHOUT TRANSMISSION

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MINI TRANSMITTER

The Model 7320-22 transmitter fits into every jacket pocket because of its incredibly small dimensions. It has an extremely robust, but nonetheless very lightweight housing made of aluminum, and is therefore suitable for almost all applications. Specially protected connectors avoid accidental disconnections during operation. The device has 100mW transmission power but you can increase this power by connecting gain antennas. The transmitter is available as 1.4 GHz, 2.3GHz and 2.4 GHz device so that you have a reliable transmission, even if you do not have a line-of-sight connection between transmitter and receiver..

MOBILE DIVERSITY RECEIVER

The Model 7320-23 diversity receiver offers flexible operation and more. Integrated state-of-the-art batteries guarantee long running time of the receiver without mains power supply, so that you can operate the receiver independently without cables and without installation.
* mobile diversity receiver
* perfect for broadcasters
* for use with V-mount batteries
* MRC - maximum ratio combining
* configuration via OSD
* ear phone connectors

DIGITAL COFDM RECEIVER

The Model 7320-24 Mobile video transmission plays an important role nowadays. But also stationary applications are becoming more advanced, so many users are now looking for new possibilities. Long-range, reliability and better video quality – are what the digital COFDM receivers stand for, from the standard desktop device to the complex 8 antenna diversity system.

MOBILE MINI DIVERSITY RECEIVER

Model 7320-10, with its small and handy case with integrated 2-channel diversity receiver, brilliant TFT display and strong batteries, is the ideal solution for mobile applications. Available in 230 MHz, 1.4, 2.4, 4.4 and 5.8 GHz., our diversity systems use a special technique for the interpretation of unequally received antenna signals. The "Maximum Ratio Combining" (MRC) procedure evaluates signals and combines the best parts in order to obtain a high-quality, failure free signal.

FLYING PLATFORM FOR VIDEO SURVEILLANCE

The Model 5030 is an extremely lightweight and quiet flying surveillance platform. Due to the electronic position control the AirRobot can be flown without any pilot experience. The flying surveillance platform can be in the air manually controlled or is fully programmable. If it receives no commands, it remains at its height and direction, GPS or optical position system (OPS) controlled. This allows the pilot to concentrate fully on his surveillance mission. Different Cameras for video surveillance operations are available (Daylight colour sensor, night vision, digital and Thermal).

ADVANCED LONGJOHN SYSTEM

Designed specifically for professional surveillance, Model 5122 uses the latest series of ultra low light (0.00003 lux) with 'Night Mode' cameras to produce unbeatable images in day and night conditions. The flexible 6 to 100 x optical zoom and pan and tilt system allows targets to be monitored at long distances and tracked using the proportional pan, tilt and zoom system. Deployable in minutes and powered by battery or mains, this rapid deployment system is a powerful tool for any serious surveillance operation.

HIGH PERFORMANCE MINIATURE THERMAL CAMERA

The Model 5214 unit is a high-performance, miniature thermal imager for real-time imagery in the 7–14 m spectral range (Long-Wave Infra-Red, LWIR). This extremely small and lightweight camera delivers images of outstanding quality, at very low power consumption. The unit can be used for both standalone applications and for integrated multi-sensor systems.

INFINITY LENS

The Model 5215 Infinity Lenses are the only lenses in the world that stay in focus throughout the entire image. Conventional lenses have a limited depth of field, which means they can only focus on either the foreground or the background of an image at one time - never both. The Infinity Lens defies this tradition. Employing revolutionary optics technology that can focus on objects both in the foreground and background, the Infinity Lens offers massive depth of field (MDF) meaning the foreground and background of a shot are in focus simultaneously.

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COVERT UHF DUPLEX VIDEO LINK SYSTEM WITH OPTIONAL IP LINK

Model 5824 consist of a digital audio and analog video Transmitter. Remote control allows the transmitter and voltage supply to the camera to be switched on/off from the receiver's controls. It is possible to connect 3 cameras to one transmitter and remotely select between them. A unique audio encryption key for the digital audio transmission is available. The receiver can handle up to 100 transmitters and each transmitter is identified by its own serial number.

CEILING-MOUNT DIRECTIONAL MICROPHONE ARRAY

Performs audio collection from a spot directly underneath system, which has been installed in a drop/suspended ceiling grid. Covertly collects intelligible audio, even whispers, in noisy environments. Self-contained system installs quicky. Wired or wireless operation. Example usage: Interview/interoogation room, booking desk, prison meeting room, security vestibule, cafeteria.

MULTISTREAM PORTABLE INTERVIEW RECORDING SYSTEM

The Model 5616-2 portable DVD MultiStream Interview Recording system is designed specifically for portable use. It is housed within a lightweight but robust metal cabinet and is further protected by a purpose-made carrying bag. The bag contains all necessary accessories for portable interview applications including a stereo table microphone, dual-view camera, full height extending tripod and accessories.

COVERT NIGHT VISION SYSTEM

The Model 5210 is a powerful, multi-purpose pocket-sized monocular night scope. The pocket scope is designed to be used either as a stand-alone night vision device or in combination with a wide variety of standard video, still photo, CCTV equipment and spotting scopes.
It is ideally suited for covert night-time observation and intelligence-gathering purposes using standard photographic media, as well as an effective aid to night-time field missions.
The Model 5210 employs a choice of image intensifier tubes characterized by high resolution and a clear, bright image, including auto gated types.

COMPACT AUDIO SURVEILLANCE FLUORESCENT LIGHT SYSTEM

The unit is a unique audio surveillance device capable of operating in hostile environments where the target utilizes TSCM sweep teams to clear the area of "bugs". It utilizes a unique optical communications link capable of stand-off distances of 100m/109yds. Installation merely requires the insertion of the surveillance lamp in the target room. With power applied via the lamp's socket, it collects room audio and transmits it via the optical link to the remote optical receiver. Typical 100m/109yds operating range is limited only by line of sight conditions and environmental ambient lighting such as sun light or bright street lighting next to the target window.

IPHONE RECORDER

Fitted inside the new IPhone 3GS or 4 is a digital audio recorder quite simply giving excellent audio recording for up to 54 hours.

The IPhone can be used with or without the headphones without any interruption of the audio.
Recording Time No Compression: 27hours
Recording Time 2-1 Compression: 54 hours
Battery Life: 11 hours standard battery
Download software is to forensic specifications
Records encrypted and "hidden" within the IPhone.

MINI CAMERA

Available in two versions: vehicle or bodyworn, producing a 400 x 400 pixel image. The camera is capable of 30 fps, but the actual fps will be determined by the recorder. It has autogain. The lens will have a 90 degree viewing angle, and + 90 degrees for the field of view. Generally 75 degrees is enough to see everyone in the front and back seats of a car if the camera is mounted in or near the rear view mirror. The lens is designed to be in focus about 3 feet from the camera, but will have a large depth of field. Passengers in the back seat will be in focus if the camera is mounted in the rear view mirror.
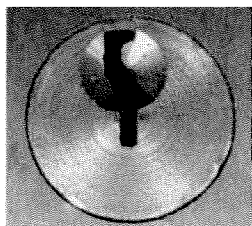
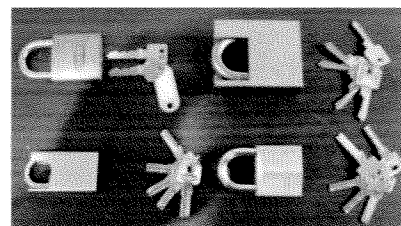Vehicle Fitting Version

GOVERNMENT KEY COPYING SYSTEM

With the Model 2021 profile cutting system you can easily produce key blanks yourself. You can also produce a key from a photograph from the original key or lock. This system is foremost developed to make keys for master lock systems and for lock cylinders with special profiles. The Profile Cutting System is divided into two parts:

1. Cutting Program with Speed Profile: This program calculates the key profile and is absolutely required for the functioning of the profile cutting system. As a service for you the program is already installed in the case from the mechanic manufacturer, although not activated.

2. Mechanic Unit with Case and Mains Appliance: This unit is produced by a special mechanic manufacturer and includes the complete mechanic motion built in the case of the unit.

Photo of a lock

Copy of a key made from a photo

Manipulations kit for Dom locks

Dom security locks

EVVA 3KS Lock Decoder

EVVA 3KS sophisticated lock

MAGNETIC CARD COPIER

A fast reliable, portable, easy to use system for cloning magnetic stripe cards encoded in any format, such as hotel cards and other access magnetic swipe card. The Model 2009 unit provides fast and efficient access to the data on a magnetic stripe card, for reading, writing, cloning and erasing purposes. The system has two operating modes: field mode and base mode. Field mode is designed for simplicity and speed, whilst base mode is designed for functionality and versatility.
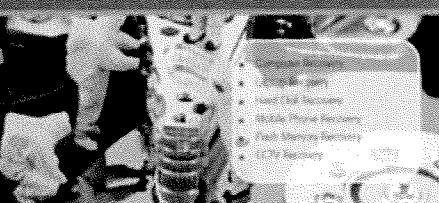
IMPRESSIONING KIT

This kit has been thoughtfully put together to include all the essential tools that a CME operative needs in order to undertake standard impressioning tasks. It includes a selection of especially adapted cylinder plugs to assist mark identification and accurate spacing during filing, our designed impressioning handle with a unique in-handle tool set, and a selection of common blanks especially prepared and ready for impressioning.

TECHNICAL SURVEILLANCE EQUIPMENT
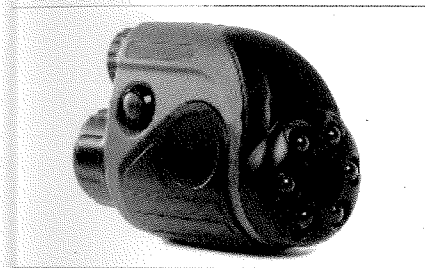DATA RECOVERY & FORENSIC LABORATORY

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TECHNICAL SURVEILLANCE
COUNTER-MEASURES

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forensic data recovery
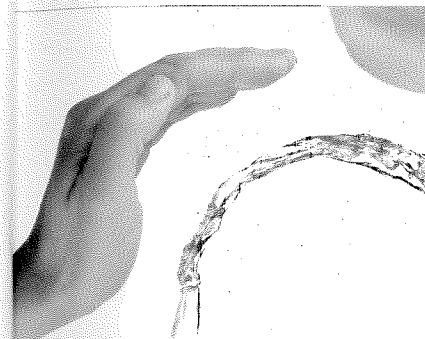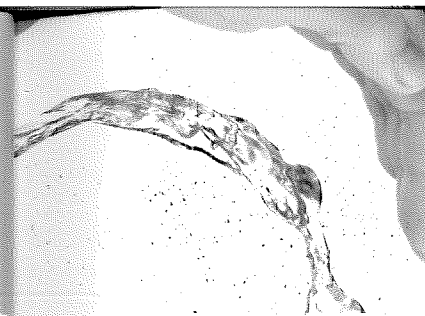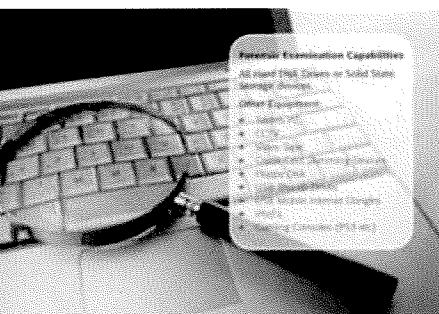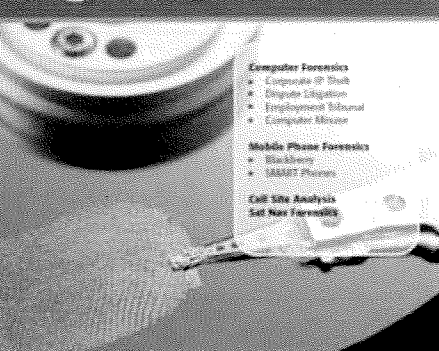

digital forensics

DATA RECOVERY & FORENSIC LABORATORY

Forensic data recovery is not to be confused with standard data recovery. Data recovery is the art of retrieving data from a source that is not easily obtainable, (mainly hard disk drives, memory cards, tapes, RAID systems etc). However, Forensic data recovery is different. In standard data recovery, the original data source, (e.g. the dead hard drive) is rebuilt, (if required), then an 'image' is taken, at which point the data recovery technician re-works the data so that it is useable to the client.

Computer Forensics is the function of utilising scientifically proven methods to assemble together and process data found on a digital device, (computer, hard disk drive, mobile phone, memory card etc), and interpret that data for possible use in a court of law or other theatre of investigation. The evidence may assist in the prosecution of a criminal, help in the defense of an accused person, or be of intelligence to an individual who is seeking knowledge for either personal or professional reasons.

Mobile phones are consistently used during many forms of criminal activity, and by performing mobile phone forensics on the cellular network usage of a particular mobile phone it is possible to trace where and when calls were made from. This is particularly useful in stalking type cases, where a mobile phone has been used to harass another individual. A mobile phone forensics firm will be able to trace and quantify phone uses within the cellular network.
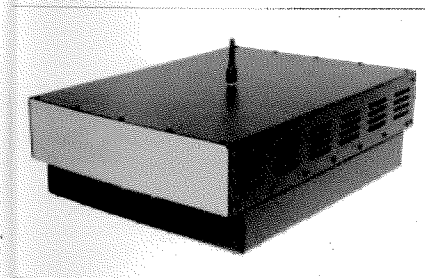
To be effective in TSCM it is essential to use trained and qualified people who have solid background knowledge of surveillance techniques and use the proper equipment. Elaman is in a unique position to provide knowledge and equipment to counter threats and offer training in the latest equipment and techniques involved in information gathering and surveillance. The threat level for cables, LAN and Wireless LAN has increased dramatically. Although TSCM are described in more detail in our 2011 catalog, the following is a brief summary of our new products:

MICRO VIDEO CAMERA DETECTOR

The Model 7507-3 is a modern device, whose functions include: video camera detection, security support, etc, designed for quick detection and exact location of secretly installed indoor micro video cameras, including cameras with pin-hole lenses. The unit works on the optical principal and no electromagnetic and extraneous emissions get in its way.

GSM/UMTS DETECTION AND LOCATION SYSTEM

The Model 7558 system uses active, patented techniques to find any GSM and UMTS devices in the areas to be swept. When devices are found the unit operator can quickly distinguish between legitimate or authorized mobile phones and GSM bugging devices. Automated processes, network surveying, system set up and range selection, device detection and results analysis make the system effective and efficient. The system's database determines the threat level of a suspect device and is updated on a monthly basis to ensure the very latest threat information is available.
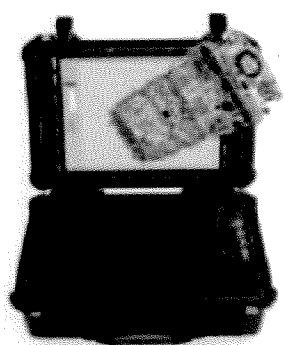
HANDHELD SPECTRUM ANALYZER

A handheld RF measurement, the 7554 unit can find radiation sources in any surroundings from 1MHz to 9.4GHz, including their respective frequencies and signal strengths, directly displaying exposure limits. The calculations are performed unnoticed in the background by a high-performance DSP (digital signal processor). This software offers an incredible number of features, such as multi device capability, high-resolution, and a display of channel identifiers, etc.

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3D X-RAY SOFTWARE

Model 7539 is used for upgrading mobile X-ray units from 2D to 3D imagery. All common types of X-ray image media can be used, even conventional films and storage foils, in case they need to be scanned later on. The digital 2D images, coming from a scanner or an image converter, can be individually enhanced and processed into 3D visualization by the 3D X-ray software. In the 3D viewing mode, zoom, detail, pan, tilt and rotation of the stereoscopic image is changeable by mouse control.

X-RAY SCANNING SYSTEM

The Model 7557 unit is a lightweight, portable, battery powered x-ray scanning system designed in co-operation with first responders and EOD teams to meet the needs of the field operative. The slim detector panel is positioned behind the target; the generator is placed in front. Quick and simple to deploy, the system produces high quality real-time x-ray images for rapid and accurate decision making.
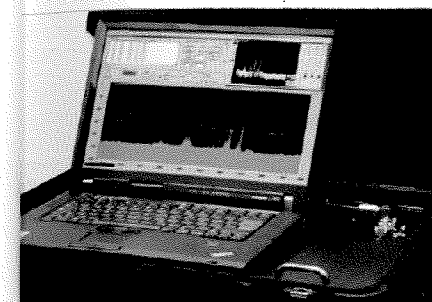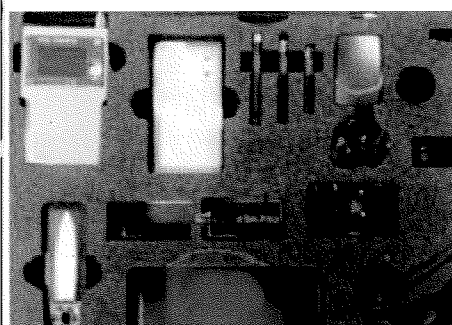
TSCM PERSONAL KIT

The Model 7605 TSCM Personal Kit is designed to perform Intermediate Level Technical Counter Surveillance Measure operations, and contain equipment used in the 3 main areas of TSCM Sweeps. All concealed in a 'Cabin Baggage' approved Laptop Case, the TSCM Personal Kit will not look out of place being carried into a hotel, or into an office ensuring a level of covertness when entering a sweep area.

VIP NON-TECHNICAL TSCM KIT

It is not always possible to have a TSCM Team sweep in an operationally sensitive area. When travelling abroad, a TSCM Team cannot always follow their Key Personnel to ensure their security. When using Hire Cars, Hotels and other publicly accessible areas, Key Personnel cannot ensure the security of their sensitive information. Concealed in a 'Flight Approved' Laptop Case, the Model 7604 TSCM VIP Kit contains equipment that any non-technical personnel can operate to provide a basic level of assurance that eavesdropping devices are not present.

PORTABLE SPECTRUM AUDIT

Model 7508 is uniquely different from all other RF detection systems as it uses a more advanced spectrum analyzer with the latest software technologies to provide accurate results. It uses a twin antenna system, whereby one antenna is placed outside the target location and the other inside. Using the software it is able to show all suspicious transmissions that are stronger in the target location than outside. Standard frequencies are up to 6GHZ with optional frequencies up to 26GHz.

ADVANCED LAN/WLAN ANALYZER

Our powerful new advanced model 7543 Integrated Network Analyzer gives a clear view of an entire enterprise – providing visibility into every piece of hardware, every application, and every connection on a network. No other portable tool offers this much vision and all-in-one capability to help deploy new technologies and applications, manage and validate infrastructure changes, solve network and application performance issues, and secure networks from internal threats. It shows you where your network stands today and helps you accurately assess its readiness for the changes you need to make.
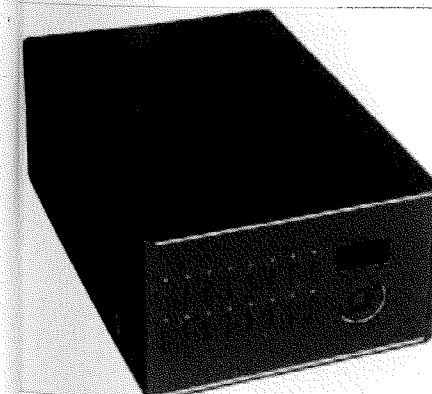
FAKE CELL MONITORING DETECTOR

The current method for the interrogation of GSM subscriber identities and/or equipment is to use the Model 4050 Fake cell site, and attract the target mobiles over to this Fake Cell. The unit can monitor the LAC, Power levels, and Neighbour lists for GSM and 3G and C1/C2, in the case of GSM. The 3G unit will generate an alarm based on any combination of values monitored..
Key features of the equipment are:
- Detects bogus Cell sites, possibly being used for IMSI capture or Call intercept
- Multilevel alarm/ event triggers
- Generates alarms via Internet or text message
- 16 channels
- Constant monitoring of selected GSM sites
- Constant monitoring of selected 3G sites
- Remote connection via web interface

Elaman's philosophy is that VIP Security Products should be offered as a whole range, offering everything from standalone products to complete system solutions, including training to support any government agency's goals of achieving successful VIP operations. Our new catalog provides a comprehensive selection of advanced VIP equipment. We have put together a brief selection of products below, but strongly suggest you view the complete 2011 VIP catalog.
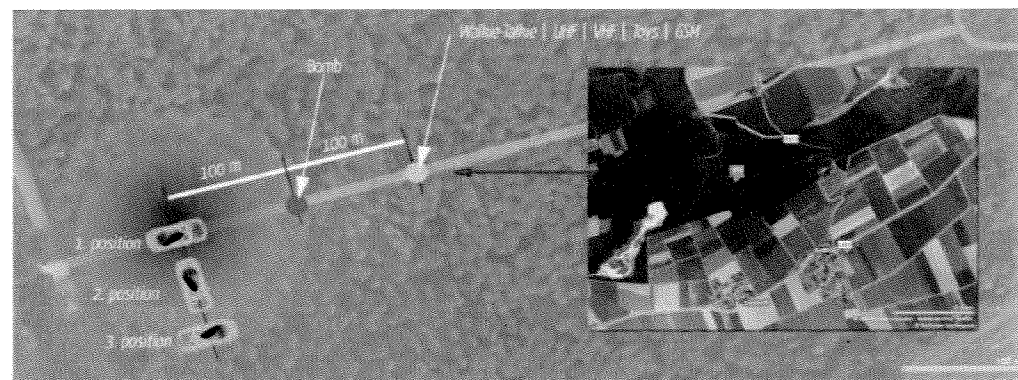
To order one please contact: info@elaman.de

- VIP Security Products
- VIP Convoy Jammers
- VIP Portable Jammers
- VIP CBRNE Detection
- VIP CBRN Protection
- VIP Security Screening

- VIP Forward Observation
- VIP TSCM Detection
- VIP Secure Communications
- VIP Surveillance Kit
- VIP Personnel & Vehicle Protection
- VIP Training Course

DIGITAL WIDEBAND JAMMING SYSTEM

Digital Wideband Jamming has become an essential part of IED protection, whether for mobile applications such as motorcades but also for all types of stationary applications in governmental buildings. Jamming systems can be used for jamming of RCIEDs to prevent the activation of radio controlled roadside bombs. With up to 2.450 Watt of output power our digital wideband jamming system provides enough power throughout the whole frequency spectrum of 20 MHz up to 6.000 MHz (opt. 18.000 MHz) to really master difficult RCIED scenarios even under the worst conditions. We are taking digital jamming to the next level and allowing our customers to individually program their digital jamming system.
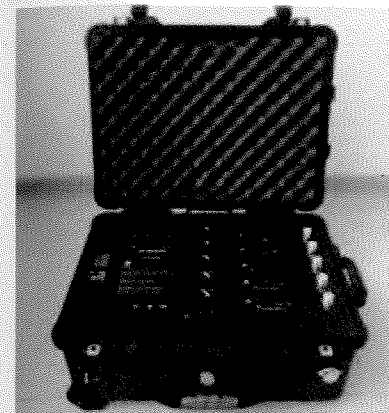
Each system can be individually programmed and configured for optimum usage in the respective area of usage. Based on the free-space-loss formula we can calculate and configure our systems to provide a 100-meter guaranteed protection zone around motorcades in high-threat areas.
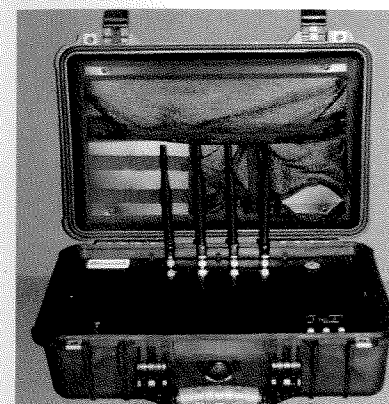
PORTABLE VIP PROTECTION CASE

Model 3543 Jammers high power covering all frequencies:
- 850-894 CDMA
- 450-470 MHz, 15W
- 825-960 MHz, 18W
- 1805-1980 MHz, 17W
- 2110-2170 MHz, 15W (cover 3G)
- 2400-2500 MHz, 15W (cover WIFI)
- Total Output power: 80W
- Case size: 56 x 42 x 26 cm (pelican case 1560)
- Programming Software

PORTABLE BRIEFCASE GSM/UMTS

The Model 3530-1 Portable Covert GSM Jamming System is a 4-Band Jammer covering the frequencies most commonly used by GSM and 3G Cellular Systems. It is designed to be effective within a 25 Meter range within the target area. The system is unique in that it does not require any ventilation, making the unit silent and also covert. As the system does not require ventilation, it can be operated with the case fully closed. This means that it can be placed in any location, be effective and not draw any undue attention.

UNDER VEHICLE SURVEILLANCE

The Model 5501 Under Vehicle Surveillance System is designed for temporary deployment and portability between sites. The system comprises: Galvanized Steel Ramp with integral metal housed cameras and LED illuminators. These can be color cameras and white LED illuminators, or monochrome and IR LED illuminators. Control/Monitor Pack is housed in a portable rack mount case with removable front and rear protection covers.
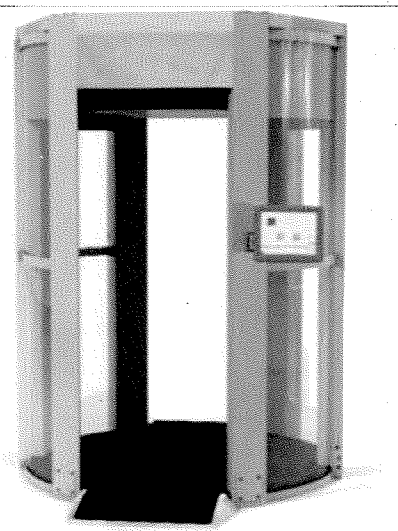
ADVANCED HANDHELD MULTIPURPOSE DETECTOR

The Model 9102 Advanced Handheld Multi-Purpose Detector is designed for use by first responders, homeland security, military soldiers, law enforcement and forensic chemistry personnel. It provides immediate identification of unknown solids, liquids and mixtures, including narcotics, explosives, white powders, chemical weapons, WMDs and toxic industrial chemicals - even through the walls of their containers.
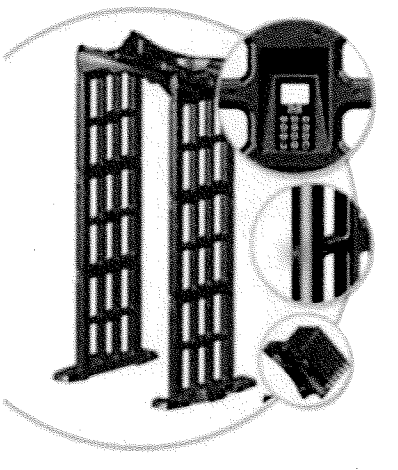
BODY SCANNER

The Model 9140 unit quickly creates a 3-D black and white silhouette of the subject that reveals concealed objects. Operators can locate weapons, explosives, other banned items or even intellectual property. The unit can be upgraded in the field to take advantage of advanced, image-free Automatic Threat Detection software that is enhanced as new threats emerge. The unit allows operators to clearly view objects made of any material-including liquid, rubber, wire, plastic, ceramic and metal-weapons, contraband and other objects are quickly and easily located. The system utilizes harmless millimeter waves to generate a clear view in seconds, and is ideal for use anywhere checkpoint security is needed, such as airports, military bases and border crossings, courthouses, embassies, prisons and other government buildings.
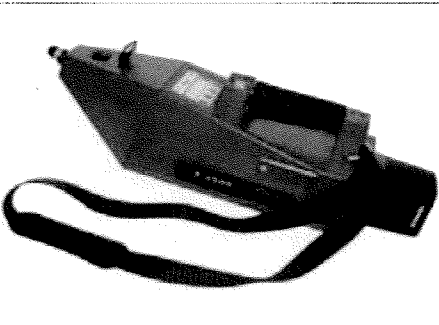
PORTABLE WALK THROUGH METAL DETECTOR

The Model 9130 is the world's most versatile walkthrough metal detector as it can be deployed and transported to virtually any location and be up and running within five minutes by a single operator! The Model 9130 operates from rechargeable sealed batteries, has zone specific detection and is designed for use in demanding environments. It is the only multi-zone metal detector small enough to fit in the boot of a car. The Model 9130 is ideal for sporting events, conferences, schools, VIP security or for any event or location requiring high discrimination metal detection combined with ease of use and total portability.

ADVANCED EXPLOSIVES TRACE & VAPOR DETECTOR

The Model 3500 is the world's first explosives trace handheld based on chemiluminescence. It detects military, commercial, even homemade explosives, liquid and powdered, such as TATP and other related peroxides, ICAO taggants, plastics, ammonium nitrate, black powder, and other nitrates. It has high selectivity to explosives and immunity to weather and environmental interference.
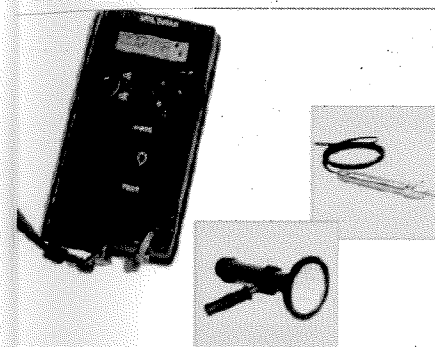
RADIATION DETECTOR

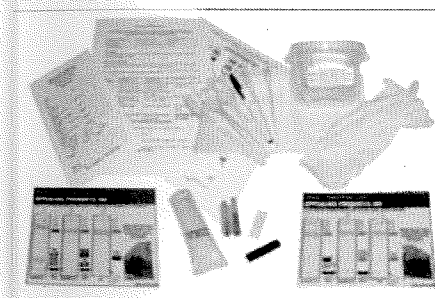The Model 9126 is a complete range of smart probes to enhance the detection capabilities of the system.
Different probes associated to the radiation survey meter add:
* gamma and beta/gamma contamination monitoring for vehicles, aircrafts, personnel, ground
* monitoring personnel alpha contamination
* monitoring alpha contamination wounds
* search and management of gamma contamination

FOOD DETECTION KIT

The Model 9113-1 Food Poison Detection Kit comes with a set of three separate detectors and everything needed to analyze a food sample and record the results for future use or as evidence. The Food Poison Detection Kit detects dangerous levels of more than thirty poisons. The detected poisons include compounds containing cyanides, azides, chromates and sulfides (Group I Poisons), thallium, lead, cadmium and mercury (Group II Poisons) and ALL arsenic-containing compounds.
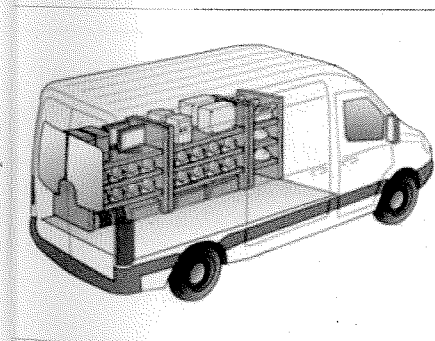
CBRN VAN

The CBRN Support vehicle is designed to bring CBRN supplies to the CBRN incident. The vehicle can be of any variant or type. We will help you to work out the equipment that is required to support a Responders team.
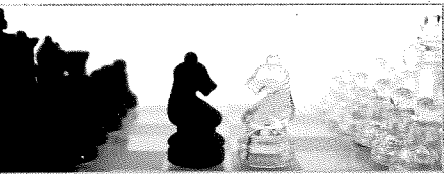Example:
* Small decontamination equipment
* Spare air cylinders
* Compressor air recharging air cylinders
* Spare CBRN suits/canisters/Boots/Gloves
* Hazard tap/markers
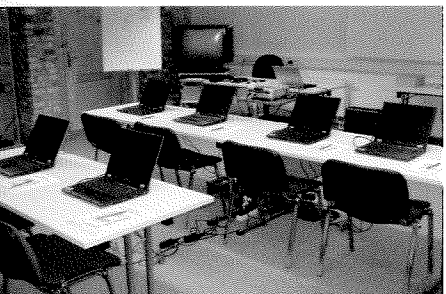* Spare batteries
* Spare CBRN detectors

EOD VAN

EOD Vehicle is custom-built to incorporate the best available equipment and enables operators to provide a fast response to detect and dispose of terrorist devices. Each Bomb disposal vehicle is specially modified and is supplied with an assortment of the most up-to-date IEDD equipment, depending on client requirements. A typical list of components would include the following: Search Equipment, Scene of Crime/Forensic Equipment, Identification/Analysis Equipment, Protection Equipment.

INTELLIGENCE GATHERING AND
TECHNICAL TRAINING SERVICES

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INTELLIGENCE GATHERING AND
TECHNICAL TRAINING SERVICES

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From its regional headquarters, Elaman provides first-class security training services to governments and related organizations worldwide. Our clients also include security and intelligence organizations recognized by the United Nations, who seek assistance in improving their intelligence gathering capabilities over a variety of disciplines. For a complete 2011 Training Catalog please contact us at: info@elaman.de

GOVERNMENT TRAINING SOLUTIONS

1 - CMOE
2 - Intelligence Gathering
3 - Technical Surveillance
4 - TSCM
5 - TSCM linked to IT Threats
6 - IT Exploitation Training
7 - Intelligence Analysis
8 - CBRN Threat Awareness

SURVEILLANCE COURSES

1 - Overt Surveillance Techniques
2 - Covert Surveillance Techniques
3 - Operational Surveillance Methods
4 - Intelligence Analysis and Evaluation
5 - Technical and Engineering Support
6 - Audio and Video Surveillance
7 - Concealment Courses
8 - Photographic Surveillance
9 - Audio/Video Processing
10 - Mobile Phone Forensics

IT EXPLOITATION TRAINING

Our IT intrusion training package provides the government end-user with up-to-date advanced IT intrusion tools and techniques to enable intelligence agencies to obtain information that can only be obtained by using IT Intrusion components.
1 - IT Information Warfare
2 - VoIP Intrusion
3 - Advanced Intrusion Techniques
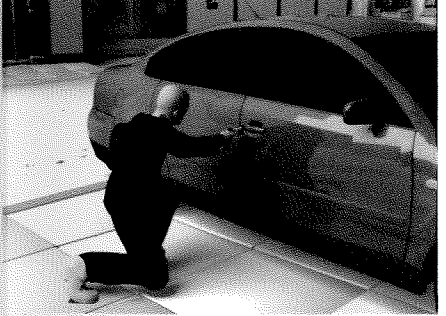4 - Exploitation Techniques
5 - Root-kits Training

TECHNICAL SURVEILLANCE COUNTER-MEASURES

The objective of training government TSCM teams is for trainees to be aware of all technical espionage threats and the procedures of search and detection.
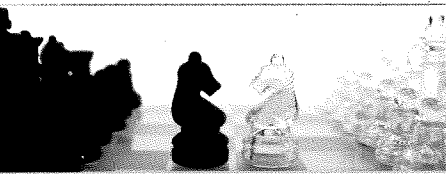1 - Latest TSCM electronic threats
2 - Prevention of bugging/infiltration
3 - Cable measurement
4 - Physical search
5 - RF measurement
6 - PBX/IT attacks
7 - Securing IT facilities and data

CMOE COURSES

1 - Technical Operations Training
2 - Covert Technical Deployment
3 - Covert CCTV Deployment
4 - Advanced Operational Drilling
5 - Operational Alarm Defeat
6 - Magnetic Hotel Room Lock-picking
7 - CCTV and PIR Defeat
8 - Safe Manipulation
9 - 'Silent' Drilling
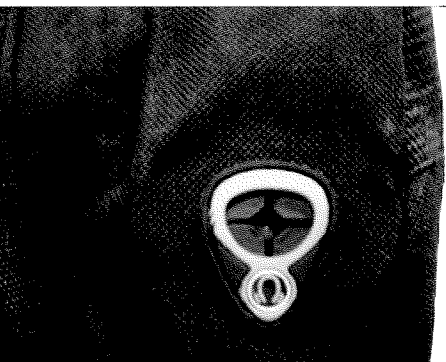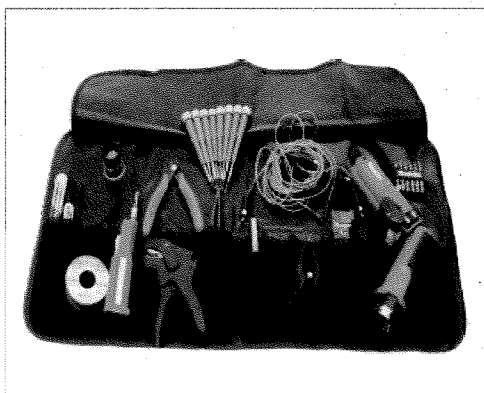10 - Explosive Methods of Entry

Our Specialist Video/Audio Concealment Training Courses are designed for Technical Surveillance departments who require their own personnel to be trained on concealment techniques to enable these specialist skills to be used in their own departments. The course starts with the basics of fitting microphones and preamplifiers through to concealment techniques and installing covert devices into everyday objects, rooms and vehicles. Practical exercises also include audio/video transmission, digital audio/video recorders, concealment of antennas and power supplies. As part of the course each student will receive a concealment tool kit as well as a full set of practical manuals. With these skills students will be able to prepare and install covert devices that are more suited to the environment in their own country.

AUDIO CONCEALMENT SYLLABUS

1 - Fitting covert microphones
2 - Producing preamplifiers
3 - Body-worn concealment techniques
4 - Audio deployment in cars
5 - Audio deployment in rooms
6 - Producing concealment installations
7 - Modifying high-tech digital transmitters
8 - Practical surveillance exercises
9 - Modifying GSM phones
10 - Selecting the right power supplies

VIDEO CONCEALMENT SYLLABUS

1 - Fitting covert cameras
2 - Producing preamplifiers and microphones
3 - Selecting the right power supplies
4 - Body-worn video concealment techniques
5 - Video deployment in cars and rooms
6 - Producing video concealment installations
7 - Integrating video transmitters
8 - Practical surveillance exercises
9 - Through-the-wall-video surveillance
10 - Integrating video GSM Links

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