

A division of EVERNEW GROUP 2015



**SECURITY
&
SURVEILLANCE
SOLUTION**



**TECHNICAL
INVESTIGATION
INFORMATION
ACQUISITION EQUIPMENT**



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Detailed specifications and brochure are available on request.

All information provided in this manual is strictly confidential to the designated recipient. Any equipment, parts and components described in this manual, as well as their sale are restricted to authorized law enforcement agencies ONLY!

About Us

SGE is a division of Evernew Group which owns country's leading Film Studios namely "Evernew Studios" founded in 1956. The founder of the Group Agha G. A. Gul (late) formed Evernew Pictures in 1937. Ever since EVERNEW is a household name in Pakistan as far as showbiz is concerned. We are a trust worthy enterprise that offers entertainment with fun and enjoyment. In addition, EVERNEW is known as a company that is constantly changing, ever advancing and enriching the lives of people everywhere with our product and services.

SGE was established in August 2000 and got registered with Directorate General Defence Purchase, Ministry of Defence, Government of Pakistan for the import of Defence Supplies. We are also enlisted suppliers of all major Military Allied Organizations in Pakistan.

SGE is fully equipped to meet the diverse needs of this demanding segment of Defense, Security & Surveillance Solution and Entertainment market.

It is the spirit behind our determination to offer services that are either unique or the best available.

We are regularly participating in tenders for Communication Equipment, Bullet Proof Cars Stealth Bullet Proof Garments, High End Security & Surveillance Solution & Technical Investigation Information Acquisition Equipment.



Evernew Group since 1937

SGE has been appointed Authorized Marketing Representatives by the following;

- Armasight Inc., USA : Night Vision/ Thermal Imaging/Laser Emitting Systems & Advance Optics
- DAT CON Systems, Slovenia : Control & Command System, Mobile X-Ray Van for scanning Weapons, Explosives, Narcotics, Radioactive Material.
- Metravib / ACOEM, France : Multi-Platform Gun Shot Deduction System
- Obzerv Technologies , Canada : Mid-Range & Long-Range Night Vision Cameras
- Agnitio Ltd, UK : Voice Biometrics/Voice Recognition/ Voice ID
- Micro Systemation, Sweden : Crime Scene Investigation/Forensic
- Audio Tel International, Australia : Audio/Video Surveillance
- High Protection Company, USA : Bulletproof Vehicles.
- Special Security Group, Finland : Special Security Training.
- ClearView HD, USA : Advanced Video Enhancement System
- High-Tech Projects, Oman : Surveillance Vehicles
- SOFRADIR-EC, USA : Thermal Imaging Cameras
- SSG, Finland : Protection, Surveillance and Security Training Services.
- ASSI International, Australia : Investigation Training Program
- Wireless CCTV Ltd, UK : Body-Worn Surveillance
- Spectradome, Switzerland : Interceptor Van & Vehicles, GSM Selective Jammers/ Vehicle Tracking, Monitoring & Security System, Spy Equipment & Security, Vehicle Mount Directional Microphone System, G-Monitor Off-The Air Passive Cellular Phone Interceptor, Portable Radio Frequency GPS Tracking System, Long Range IR NV Cameras, VIP Bullet Proof Garments and Special Video & Audio Law Enforcement Equipment.



ARMASIGHT WON IN THE FOUR NOMINATIONS OF THE OPTICSPLANET BRILLIANCE AWARDS 2014



Armasight is a leading U.S.-based provider of cutting-edge Night Vision and advanced Thermal Imaging Solutions, top-quality Direct View Binoculars, Illumination Tools and other precision optics characterized by outstanding performance and a wealth of innovative features.

We use state-of-the-art materials, manufacturing facilities and modern design. Armasight focuses on the continuous improvement, evaluation and implementation of the latest electro-optical technological advancements.

Armasight's duty is to provide customers with the best products at competitive prices. We accomplish these goals by applying industry best business practices in full compliance with all applicable laws of the United States as well as those of the final international destinations of our following products.

- Night Vision
- Thermal Imaging
- Laser Emitting Systems
- Advanced Optics



Night Vision Monocular



Night Vision Goggles



Night Vision Binoculars





Night Vision Bi-Oculars



Night Vision Weapon Sights



Night Vision Clip-On System





Advanced Integrated Mounts



Miniature Collimating Sight



Multi-Spectral Laser Aiming





Long-Range Infrared Illuminators



Thermal Imaging Riflescopes



Image Intensifier Tubes





Metravib Gunshot Detection System

Brand of ACOEM

Metravib, a brand of ACOEM Group, France offers high-performance threat surveillance, detection and localization solutions for the defence and civil protection sectors. The systems developed by Metravib used the sound waves generated by the firing of small arms, Rocket Propelled Grenades (RPGs) and Mortars to detect and accurately identify their location in real time. In more than 40 years METRAVIB has acquire unique expertise in acoustics and vibrations and in depth understanding of the needs of the Military sector. Thus, Metravib helps to provide improved protection for personnel, permanent installations and mobile basis in hostile territory.

GUNSHOT/HOSTILE FIRE DETECTION & INDICATION SYSTEM

PEARL

The system **PEARL**, “**P**ersonal **E**quipment **A**dd-on for **R**eactive **L**ocalization” is a stand-alone device granting soldiers capabilities that were never provided before.

PEARL exists according to several platforms:

PEARL Weapon Mounted System, PEARL Vehicle Mounted System, PEARL Weapon Sight, PEARL Multifunction Goggle Mounted System, etc. These platforms are different than the other versions in the sense that they are a mono block:

The acoustic array, the processing DIAM and the display are Integrated in a compact and rugged unit, powered by commercial batteries and set with a Picatinny interface enabling the direct fitting on a weapon (or on another platform). Each system is easily set up thanks to this interface or via adaptation parts easily available. The soldier is now able to find in few seconds and in very intuitive way the origin of the shot that is threatening him.





Metravib Gunshot Detection System

Brand of ACOEM

CHARACTERISTICS:

APPLICATIONS

Thanks to its real-time detection and localization capabilities, the PEARL system can be used in a wide variety of assignments:

- Situation awareness
- FOB and Force protection
- Reconnaissance
- Border surveillance
- Counter sniping operations
- Convoy protection
- Patrol and classical maneuvers.



MAIN FEATURES

PEARL solution presents the following characteristics:

Integration of a sensor giving the weapon position, this enables to adjust in real time the MMI, that is to say, the colored direction arrows in order to orientate the response and cue/engage the target.

Great simplicity in use with a basic MMI.

Conservation of a series interface (RS232 or RS485) to link with other devices, as an option, like for example a PDA that has the same Shot Guard software integrated, or communication with the soldier's equipment.

PEARL system is so intuitive that the user does not need any training on the product.

ALL-IN-ONE EQUIPMENT

- Compact & robust, with miniaturized Acoustic Sensor Array (ASA), built-in gyroscope, MMI through LEDs display, commercial (AA) Battery Operated and RS232 or RS485 Serial Link.
- Detection capability : PEARL performs when running, standing, kneeling or laying down. It detects small arms and it filters out-going fire.
- Easy to mount on any rifle, compatible with sight, no cables.



Metravib Gunshot Detection System

Brand of ACOEM

PILARw

The PILARw system uses the sound waves generated by the firing of small arms, Rocket Propelled Grenades (RPGs) and mortars to detect and accurately identify their location in real time. The PILARw screen displays the precise origin of the enemy fire in 3D.

The system has two principal applications: ground-level deployment, and moving vehicles with the mobile on-board version. However, the PILARw system has been adapted and new versions have recently become available for use in other situations: by infantry, and on board ships, helicopters, drones, etc.

Thanks to our unique expertise in the field of vibrations and acoustics, METRAVIB products offer exceptional threat observation, identification and localisation capabilities.

CHARACTERISTICS:

APPLICATIONS

Thanks to its real-time detection and localisation capabilities, the PILARw system can be used in a wide variety of assignments:

- Enemy fire detection to protect temporary or permanent zone (military bases, checkpoints, borders, etc.)
- Enemy fire detection system for all vehicles
- Enemy fire detection system incorporated into a vehicle's on-board system
- Hostile Fire Indicator for helicopters
- Enemy fire detection to increase soldier capabilities



MOBILE VERSIONS

The PILARw system is available in a number of mobile versions, each adapted to suit a different platform:

- "On the Move" version for installation as a standalone system in a vehicle
- Integrated version to be connected to a remote weapon station (RWS)
- Maritime patrol version
- Compact version for use on small vehicles such as ATVs
- Helicopter version
- Weapon Mounted version, which is very compact and lightweight, for real-time protection of the soldier on the battlefield.



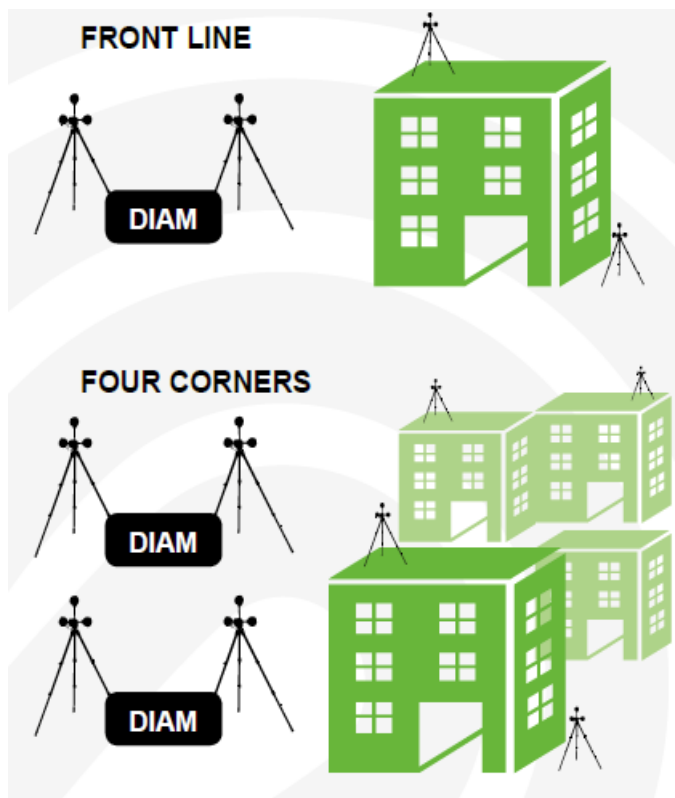
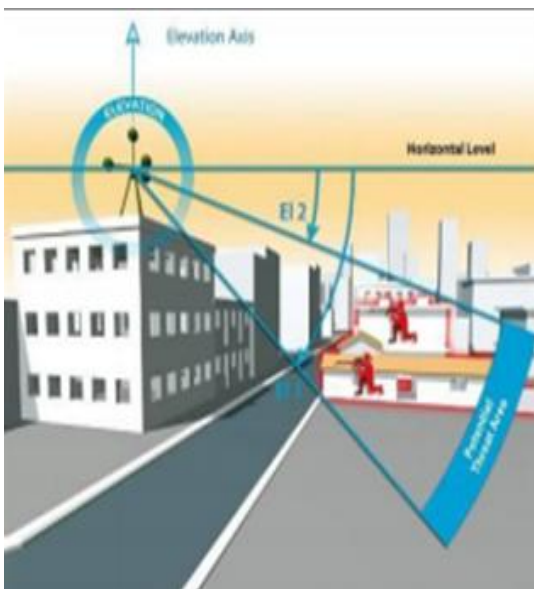
Metravib Gunshot Detection System

Brand of ACOEM

SYSTEM COMPONENTS

The PILARw system is made up of three principal components, which can be combined to create different configurations according to the technical features required:

- A folding acoustic antenna with embedded sensors and electronics
- A data acquisition and interface module to process the signal transmitted by the antenna(s)
- A ruggedized display in the form of a laptop computer, PDA, or Battle Management System, in order to operate the system and view results using PILARw's SHOTGUARD software and MMI (Man/Machine Interface).





Metravib Gunshot Detection System

Brand of ACOEM

PIVOT

PIVOT is a surveillance system designed for rapid deployment. It comprises a high-speed turret fitted with a day-vision camera. A second mount is available for a night-vision camera or binoculars.

Used on its own, PIVOT acts as an automatic surveillance system with sweeping and recording functions. Used in conjunction with the PILARw system, PIVOT turns the turret in the correct direction and provides a real-time image of the point of origin of the threat.

With the PIVOT system, threat observation, identification and localization capabilities are greatly enhanced. It is the ideal system for a wide variety of assignments, including infantry units, special forces, reconnaissance patrols, peacekeeping forces, security forces, surveillance of sensitive sites, etc.

CHARACTERISTICS

APPLICATIONS

Thanks to its excellent observation, identification and localization capabilities, the PIVOT system can be used for a wide variety of assignments:

- Protection of personnel.
- Protection of camps, airbases, buildings, embassies, etc.
- Border surveillance.
- Peacekeeping missions.





Metravib Gunshot Detection System

Brand of ACOEM

FEATURES

The technical features of the PIVOT system make it ideal for use in the field:

- Functional, with two video channels, a day-vision camera and optional night-vision sensor
- Easy to use, with automatic sweeping
- High-speed pan and tilt turret
- Hard drive recording function
- Practical, as it is totally compatible with the PILARw enemy fire detection system.
- Delivered in shock-proof cases.

SYSTEM COMPONENTS

The PIVOT system is made up of two principal components:

- A double-mount turret (maximum load 9 kg) that is compact (dimensions: H 45 x W 26 x D 27.5 cm) and lightweight (9 kg) enabling the camera to be pivoted towards the point of origin of the threat
- A lightweight (4.8 kg) and compact (dimensions H 13 x W 15 x L 42 cm) day-vision colour camera with automatic or manual focus.

The PIVOT system can be fitted with an optional night-vision camera (supplied by METRAVIB if required).





Metravib Gunshot Detection System

Brand of ACOEM

GUNSHOT/HOSTILE FIRE DETECTION & INDICATION SYSTEM (SMALL ARMS/ROCKETS/MORTARS ETC)

- System is to detect incoming small arm fire from any direction.
- System can be used as a personal add on.
- System is deployable for protection of camps, buildings, airports, air strips etc. There is no limitation to it and where ever there is a small arm threat, it can be used.
- System can be fitted on vehicles for convoy protection, VIP movement, Military movement.
- It's a time tested unit in war zones like Afghanistan, Iraq, Bosnia & Africa.
- It is the only system in the world which can be fitted in helicopters etc.
- The rifle mounted version can go in huge numbers as it is very cost effective and is perfect for foot soldiers on patrolling or offensive operations in all type of situation.

The system is used for Ground-level deployment for protection against hostile fire on;

- Military camps
- Air fields/ Airports/Helipads etc
- Government building
- Embassies/foreign Missions/sensitive government installations
- National Day Parades or major events, like games, Conferences etc.





Metravib Gunshot Detection System

Brand of ACOEM

For years there had been no advance technology available which would detect, localize & neutralize threat of small arms, there by advantage always remained with insurgents, terrorists & Criminals using small arms to harass and kill innocent people & security forces and eventually escaping themselves undetected.



This system was developed by us in Bosnian war to counter the threats of snipers & Insurgents using small arms/rockets/light artillery against UN forces in mid 90s and now this fully perfected system is extensively used in Afghanistan, Iraq and other hostile warzones by all modern armies and defence forces including police. (Please see reference list of users at the end)

The PILARw system uses the sound waves generated by the firing of small arms, Rocket Propelled Grenades (RPGs) and mortars to detect and accurately identify their location in real time within 03 seconds. System can detect direction of fire coming from any direction (360` degree) and at the same time will provide exact location of firer or sniper. The PILARw screen displays the precise origin of the enemy fire in 3D.

The system can pinpoint the location of firer up to a distance of 1500 meters in 02/03 Seconds once hostile fire comes. System can detect multiple shots from multiple directions. The system has the unique capability to detect and distinguish live ammo from blank ammo/firecrackers also Friendly & Hostile fire with ammo calibre identification and carries out data logging for planning and debriefing.



Metravib Gunshot Detection System

Brand of ACOEM

There are four versions of the system;

1. PILARw Ground Version (for protection of Runways, Buildings, Air Strips, helipads, Camps)
2. PILARw Vehicle & Patrol Boat (For Protection of Convoys , ViP movement, Boats)
3. PILARw (handheld) for soldiers' weapon mounted/small arms/rifle/SMG/LMG/MG mounted.
4. PILARw Helicopter mounted. (for protection of Helicopters from incoming Hostile small arm fire)

SYSTEM PERFORMS FOLLOWING TASKS SIMULTANEOUSLY;

- Quick alert, identification and localization of the threat.
- Real time result: Azimuth, Elevation, distance
- Detection of the threat: Firearms, RPGs, Mortars, Anti Tank Missiles
- Shot origin in grid and relative coordinates
- Identification of the calibre ≤ 7.62 or > 7.62 mm etc.
- Quick and effective response
- Immediate response, by providing exact coordinates of the threat to forces. The same can be integrated with Remote Weapon Stations (RWS) if needed.
- Evasive manoeuvre
- Continuous monitoring
- Coupling with C4ISR, to transmit RFT (Red Force Tracking) up to the chain of command
- All gunshots events are recorded both in time and place

All Data is recorded at the same/real time and can be used later for debriefing and processing for further action in the area or maintaining Historical record of events for operational awareness & Training.



Founded in 1992, Dat-Con company in Slovenia offers system integration, electronic applications, special measuring and multimedia equipment. The partnerships we established with market leaders in thermal imaging, optics, measuring equipment and communications opened new paths for company development.

We made a successful entry into the European market through active participation in the international tenders for special equipment, and significantly contributed to the achievement of Schengen accession standards for Slovenia, Slovakia and Romania among other with our remarkably efficient border control systems. In the law enforcement and crime prevention and control industry, Dat-Con has developed exceptional systems which are widely used by the crime police and state security services.

Mobile Surveillance system

Surveillance system can be integrated in different types of vehicles like Vans and all terrain vehicles or mounted on different types of towers, buildings and poles in accordance with customer requirements. We offer special solutions for land and sea observations with long range thermal camera, nautical radars, complete GPS positioning and Navigation system-AIS, VTS in combination with laser range finder.

- Surveillance systems are equipped with :
- Customized electro optical head
- Our Pan-tilt solution
- Out lifting mechanism
- Control area for two operators
- Software
- GIS application with orto-photo
- Long range observation up to 40 km
- Combination with land and nautical radar
- Communication connected to control center
- Complete power supply autonomy





Mobile thermal imaging systems can be used for monitoring smaller and larger areas of land or sea. They are offering high mobility and good comfort for the operators, easy upgrading of the system with additional equipment but they can be used only on the relatively easily accessed observing points. They are used for border surveillance, beside them we offer also communication vehicles, mobile office vehicles, civil cars with covert observing system,

Mobile observing systems with different type of sensors:

- Long range Thermal sensor
- High zoom Video
- Radar
- LRF
- Digital Compass, GPS
- Digital map with target position





DAT-CON

Thermo vision System-BOPAS



Pan tilt – wireless version



Battery Type A

Portable observation systems BOPAS are daily used by the Border Police in different countries including Schengen Border. We developed the 5th version of BOPAS with many upgrades and futures. All integrated futures and functionality are based on the experiences from the field. System is designed for all surveillance requirements in normal and extreme conditions. System provides short, middle and long range observation what depend from the camera model. We support cameras from different producers like Flir, Sagem and many other cameras can be adapted to BOPAS. Different configurations of BOPAS exist according to customer needs.

Futures:

- Robust command and control unit with LCD.
- High Dynamic PanTilt with endless rotation.
- Camera fast click system with integrated connectors for all camera models.
- GIS support to show target location (Google-OFF or any local available map).
- Cable control with MIL-SPEC cable on reel.
- Wireless option is fully integrated without additional antenna cables.
- The Thermal camera can be powered directly from the BOPAS (no discharge camera battery).

Detailed specification and brochure can be supplied on request.



Stationary Thermal Imaging Systems

Stationary thermal imaging systems are very useful where a large flat area should be monitored. In such areas the unauthorized border crossing is very attractive and very often the case. So the high importance should be given to selection of proper location of Stationary Thermal Imagers.

Such systems are installed for a longer period of time and offer many advantages, like constant monitoring of terrain in practically all weather conditions, the monitoring can be performed on many different locations simultaneously and the video can be on-line transmitted to the supervision centre.

The disadvantage is relatively high initial investment, in many countries a license for erecting such systems is required and there are also some expenses related to potential moving of the equipment.

Stationary systems are very useful in some particular areas like:

1. Areas close to the border
2. Some difficult terrains
3. Swampland
4. Flat areas
5. Coast





Stationary systems can operate in combination with radar systems (coast regions) and both systems together can be successfully used for target identification, additional features are:

- Automatic moving detection, automatic detection of the human presence.
- Digital maps can be used.
- Automatic detection of the target position (target coordinates) and transferring of them to the officers in the field.
- A picture can be generated thus simplify the decision to the operator.
- Easy to memorize the observing area and easy to perform the automatic scanning of observing area
- Easy integration into more complex systems
- We have developed our own concept of stationary thermal imaging systems based on specific requirements of end users. Basically they include:

- Electro-optical head
- Pan-til unit
- Control room for operators
- Software
- Observation - up to 20 km
- GIS application with ortho-photo image and DMV
- Radars for land or sea
- Communication system





EAGLE EYE Surveillance Platform

The observation Platform is Based on the best Airplane in the world declared by NASA



Eagle-Eye surveillance Platform

The EAGLE EYE Surveillance platform is produced by Dat-Con combining advanced sensory packages and control systems with a custom modified aircraft derived from the two-seat Pipistrel Virus SW 100. The Pipistrel Virus SW 100 is the world's most fuel efficient light sport aircraft according to NASA. It is known to be extremely fast during cruising and stable in the camera operating speed range. Using advanced composite technology, the airframe guarantees corrosion-free construction and extreme durability under the harshest conditions. Virus SW 100 is a truly versatile airplane, with full dual controls and excellent handling it is not only ideal for surveillance, but also training of pilots and camera operators!





Why is EAGLE EYE the perfect choice? Because it combines all these features in one airplane:

- class-leading high cruise speed (264 km/h) to reach area-of-work in short time
- over 1400 km of range at high cruising speed
- over 7 hours of endurance in loitering/observation mode
- class-leading low fuel consumption (18liters/hour in high speed operation and 10liters/hour in loitering operation)
- superior payload and flexibility - even with a full fuel tank, two pilots can fly, carry out missions or train, thanks to all dual cockpit controls
- extra-low operating costs combined with high dispatch rate
- extra-low maintenance costs with maintenance parts-pack included in purchase price
- strong undercarriage to operate from unpaved runway
- full aircraft parachute – in case of emergency deployment protects crew and equipment from impact
- fuselage mount for advanced sensor packs



Typical Cockpit we are offering



EAGLE EYE can do what others cannot:

- climb higher to avoid aircraft spotting from ground observers or to cross mountains (maximum operating altitude of 5800 meters)
- ultra-long range - get there, work on mission then return home without refueling
- observe targets at a very low orbiting speed (only 90 km/h), can replace helicopters
- endurance in loitering mode of more than 7 hours!
- high carrying capacity: with full fuel, the payload is 1 crew and 1 pilot, with a sensory pack of up to 50 kg
- take-off and landing on very short (230 meter), also unprepared runways
- available also for operation from rough runways using Tundra wheels (available only for tail-wheel configuration)
- high glide ratio allows to fly safely the aircraft even in case of engine failure
- aircraft dismounts for road transportation in trailer or truck
- 7-minutes is deployment time from trailer to take-off using the special trailer
- special airbrakes allow a fast on-target descent
- wide temperature operating envelope (- 40°C to + 55°C)
- airframe floats on surface in case of ditching during maritime surveillance mission
- multi-fuel compatibility, including automotive fuel with up to 10% of ethanol. AVGAS or special fuel is NOT required.



UAV for Border Observation



BRAMOR-DTC is one of the best UAV suitable for Border Observation.

Tested in different conditions including some important features:

- Very Stable compared with competitor UAV models
- Simple for operation
- Light and portable
- Very efficient and simple Catapult
- Professional Autopilot





DAT CON Mobile X-Ray Van for scanning Explosives, Narcotics, Weapons & Radioactive Material

DAT CON Mobile X-ray System is a breakthrough solution that helps to fight against smuggling and illegal trading of narcotics, weapons, explosives and other illegal goods. Built into a van, the X-ray Scanner allows immediate deployment in response to security threats such as Explosives, Plastic Weapons and Drugs etc.

High mobility helps to change location very easily in a minute without any special procedures.

Benefits:

Detection of Security Threats.

Rapid image analysis.

Enables stricter control on different border crossings.

High speed scanning capability.

Radiation safety.



Scanner enables to find illegal load and smuggled goods, suspected and dangerous materials i.e Radiation wastes and materials, Explosive materials, Narcotics, Weapon and others. Also for finding the compartments and additional construction elements e.g with double walls , partitions and additional vessels.

Dat Con Mobile System uses X-ray scanning system with very low dosage. Reflecting rays from the scanned object is an X-ray device installed on a truck. The Scanner enables to control the contents of personal cars, trucks and cargo's, non-standard dimensions off load, with use of secondary radiation, without the need of installation of radiation receivers-detectors on the other side of a controlled object.

All scanned pictures are related to color/black & white pictures of the objects including all readable data like license plate or other ID marks on the containers, trailers etc. The readable data scanned picture and picture taken from the object are saved in the file which connects all the data on the way suitable to prevent as evidence. Video evidence system supports scanner during the day and night with low light conditions .



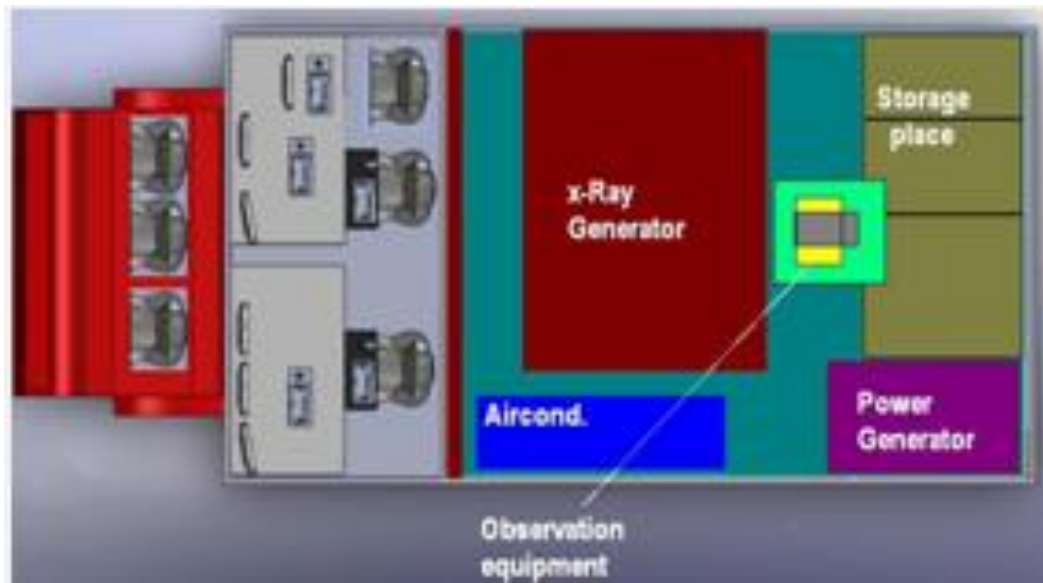
There is a place in the van to assure normal office working conditions, command and control and the scanning functions. Proper IT and communication equipment enables to exchange the information with experts in the main office and other Government offices. There is a possibility to send and receive scanned documents, pictures, data files etc. All application services are built as service/client/web applications. High protected and scrambled communication between the Custom Officers is possible even without network in direct mode.

Middle range thermal and day camera (MRTDC) is installed on the telescopic mast and controlled from the operator place by joystick. Telescopic mast together with the camera goes inside the van when is folded down. Picture from the camera is seen in one of the monitors in operator place. Cameras-van position and target position is seen in a digital map.

Inspection equipment and tools help to investigate the cars, vans, trucks, cargo and goods. All inspection equipment and tools have important role and help people on the field to do efficient work. Van is equipped with:

- Rummage Kit,
- Illuminated search mirrors,
- Rechargeable Torch Lights,
- Endoscope (Fuel investigation kit),
- Digital Camera and Hand Held Thermal Camera,
- Drugs and explosive spray indicator kit.





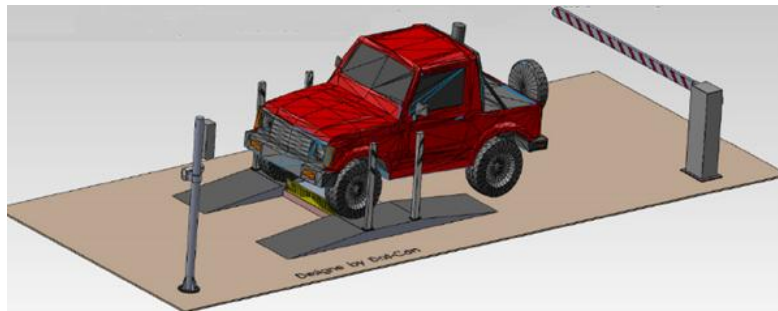
- System is deployable & mobile.
- System is used for counter terrorism and anti smuggling activity.
- System can detect all organic material i.e. explosives, drugs etc hidden inside the vehicle.
- System can detect all sort of weapons hidden inside the vehicle.
- System can detect nuclear material hidden in vehicle.
- System can scan thousands of vehicles in few minutes by driving in their close proximity of 2 to 10 meters.
- System has a special chemical spray kit to detect which type of explosives are hidden inside the vehicle.
- As the system is mobile it can drive from one location to another with in very short time.
- X-rays used in the system are of low radon levels which are not harmful to humans etc.
- System comes with inbuilt long range night vision cameras for surveillance.
- This very system has detected major load of explosives in Pentagon parking lot so it is very effective tool.



DAT CON Vehicle Scanning System (Fixed)

State-of-the-art low-dose 200 kV X-ray scanner with a 3 m x 3 portal-shaped detection system for the inspection of occupied passenger vehicles, designed with innovative “drive-through ” technology.

- Designed for inspection of cars for detection of contraband, illegal drugs, weapon and other dangerous objects.
- Designed for use at traffic control points and other places where total car inspection is necessary.



Main Features of Vehicle Scanner

- CCD for price performance.
- High quality Color picture.
- Possibility to compare the picture with reference one.
- Vehicle Data Base for comparison based on *License plate recognition or ** RFID TAG.

Options:

- LPR System as an Option.
- RFID TAG suitable for the people with daily entries like employee, suppliers etc.



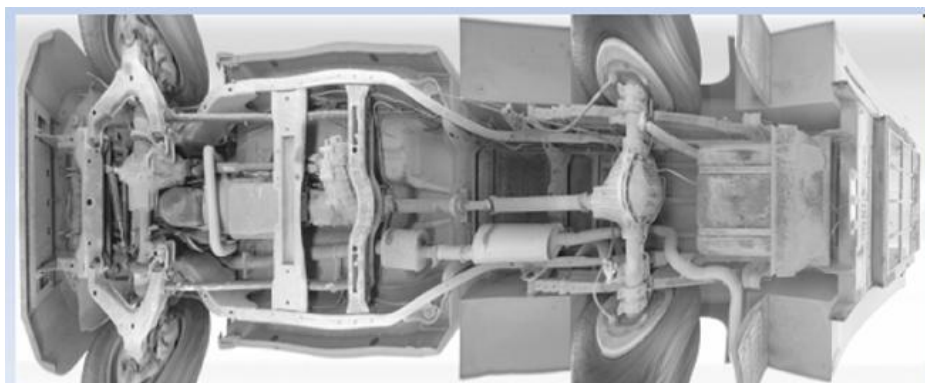


Under Vehicle inspection system UD-Scan CCD/Line

- Under Vehicle Inspection System provide you ideal solution to inspect and digitally record the vehicles.
- Under Vehicle Scan is an efficient inspection toll for operators to help them on daily duty to fait against explosives and all other units attached with the vehicle on the places difficult to discover.
- Explosive, weapons, narcotics, tracking units are very often placed under the vehicles.
- We are offering two different technologies like CCD scanner for cost demanding applications and Line scanner for high demanding applications.
- As an option you can chose License plate recognition system for the vehicle data base.

Main Features of UD-Scan Line

- Line camera with minimum 4K resolution.
- High resolution picture.
- Automatic detection system of threats.
- Possibility to compare the picture with reference one.
- Vehicle Data Base for comparison based on License plate recognition or RFID TAG.





Under Vehicle Inspection System UD-Scan

The UD-Scan is the surface mounted solution for the fully automatic identification of threats or modifications to a vehicle's undercarriage. An overview/driver camera captures the normal view of car/driver and display this on the high-resolution touch screen.



System Integration & Additional Capabilities.

The system can be integrated on a different entrance solutions and it could be joined to another technologies like Fingerprint, Facial recognition, License plate reader, RFID identifier, Barriers like Road blockers, Cats claw, Bollards etc and many other entry control point technologies.





MOBILE endoscope METK-01



Endoscope METK-01 is a portable device in robust case designed for reviewing of difficult accessible areas. Rapidly and without injury to vehicles, buildings, hollow objects can be searched (for example; interior of car doors, fuel tanks, fuel containers, ventilation holes,...) which only with camera cannot be well seen.

Resistant material of Endoscope METK-01 enables to check liquids such as oil, petrol, diesel, kerosene. The light source enables the illumination of interior of the object. The reflected light is then transmitted through optical fiber to the eyepiece.

Mobile Endoscope METK-01 consists of :

- Professional waterproof suitcase
- Endoscope
- Light source with cable connection
- TV camera





Security suitcase for transport valuables and money VK-008

Security suitcase VK-008 is designed for the transfer of valuables and money.

It has built-in a special mechanical protection and sensors, which detects intrusion into suitcase and violently disposal of suitcase and then trigger the alarm.

Built-in microcontroller controls the operation and condition of the suitcase, and allows us to change the mode of operation according to our needs.

In a case of alarm, siren is activated and the system initiate stains of money with red paint.
Made from resistant materials suitable for use in a difficult environment.



Easy control of the current status of the suitcase

Built-in two-line display allows easy control over the state of the suitcase (battery status, the state electronics, warning prior to the activation of staining)





Simple Tracking - OPTIONAL

An additional GPS module can provide live tracking on suitcase and reports the status of events

Slot for entry of goods without opening the suitcase - OPTIONAL

With additional slot the value of goods and money can be brought inside without undue exposure and opening the suitcase. Taking out of valuables or money through the slot is not possible

Two sizes of suitcase

There are two sizes of suitcase: smaller VK-008/1500 with the volume of the storage chamber 10000cm³ and bigger VK-008/1550 with the volume of the storage chamber 17000cm³

Event logging and easy control over the handling and operation of the suitcase.

All events are recorded in the built-in memory in a suitcase. With the supplied software for your computer you can via a USB cable review the history and handling of the suitcase.

Robust structure

Suitcase for the transfer of valuables and money VK-008 is made of resistant materials: Copolymer - Polypropylene.

Staining of the money

The basic model has already built module for the coloring of money, which occur in the event of breaking into a suitcase or it's disposal.





Visitors Identifier System VIDIS-GPS

Dat-Con is a System Integrator, Producer and System Designer w own development. We are proud to expose main references:

The GPS Locator and the person are always one. Other devices are placed in book bags or o what makes this unique from other GPS locators, is that the person cannot remove the device; unauthorized person removes the VIDIS GPS Locator; an alert will be sent to the control and c

- Works as a Fully-Functional Digital Watch with good design.

Superior Locking Mechanism with Alarm system.

- Get Integrated GSM communicator.

- Mobile Security Systems built for Olympic G Athens 2004.
- System solution for Schengen Border Protection with common length almost 1500 Km.
- Delivery of equipment and Solutions for Different Police Forces (Crime Police, Border Police, Investigation, Security Service, Custom and Ministries.

System Solution for Visitors Identifier System:

What makes the VIDIS GPS Locator different from other devices?

- Receive an alert in case any unauthorized person attempts to remove VIDIS GPS.
- Designed to be more reliable and responsive.
- Powerful and innovative technology has improved all standard network coverage.
- High protection like IP 65 withstands rain water, but submersion is not recommended.
- The VIDIS GPS Locator supports Google street map or any other standard or customized MAP's.





Main Futures of Visitors Identifier

High Tech Product.

Long Autonomy up to 240 hours standby robust design.

Hot start < 1 sec.

Warm start < 32 sec. GSM/GPRS.

High Sensitive GPS Receiver -160dBm.



BASIC Concept of VIDIS-GPS

- System support up to 4 million GPS units.
- Communication with the units on request.
- Personalization of each unit with HH portable computer on the field. Server system with back-up solution.
- Server client application.
- Servers installed in the rack with cooling system.
- Terra Tracker is up to date server client application with possibility to use different kinds of up to 100 clients with possibilities to track and control the targets at the same time.
- Encrypted data base with high protection level.
- No direct connection between person and ID code.



Command and control center

- Dell Power Edge Central server system.
- Six core Intel Xenon processor inside.
- Back-up server system with hot start solution.
- 19" rack system with cooling system.
- Mass storage devices.
- UPS system with 1hour autonomy (generators are not included).
- Big screens based on the latest technology.





Obzerv Technologies Inc., Canada is a specialized firm which designs, develops and manufactures high-end night-vision cameras for mid-range and long-range surveillance applications based on active imaging. Thanks to its range-gating capability and unique laser illuminator technology, Obzerv's cameras are operating in total darkness and degraded weather conditions while offering real time video images.

World Leader

Over the years, Obzerv's cameras have been installed and integrated with diverse surveillance systems around the world. To achieve this success, we worked closely with our customers to ensure that the best and most efficient integrated solution is delivered.

Mission

Provide our world-wide customers with a decisive operational advantage through the superior performance of our surveillance products based on active imaging technology.”

Obzerv's active range-gating technology:

A breakthrough technology that provides superior identification and recognition capabilities compared to the best thermal imager. Obzerv's cameras have raised the bar in the surveillance market.

MID & LONG RANGE DAY & NIGHT SURVEILLANCE

FOR SECURITY OF MILITARY CAMPS, OIL FIELDS & REFINERIES, AIRPORTS, NUCLEAR PLANTS AND OTHER CRITICAL INFRASTRUCTURE



OBZERV Technologies Inc develops and manufactures high-performance active imaging night vision systems optimized for long-range surveillance. The highlight is the LASER Active Range-Gated **Long Range** Surveillance cameras providing **hi-resolution optical image** at long range for detection and recognition of targets during day and night. The systems can be optimized for land, air and sea based platforms.



- The **ARGC-2400 & 750 NIGHT VISION CAMERA** is OBZERV's flagship products. They have been engineered to meet the stringent requirements of coastal & border surveillances as well as Critical Infrastructures protection.
- **ARGC-2400 THERMOVISION.** This new integrated solution builds on the unique performance of Obzerv's flagship product the ARGC-2400 and Flir's Thermo Vision 2000/3000 camera. The cameras are installed together on the same post. The Thermo Vision 2000/3000 camera is used for its detection capabilities to scan the horizon. Once a target is detected the operator uses the ARGC-2400 to classify and identify the target.

Obzerv Canada has two main products/cameras for long range Day/Night Surveillance requirements;

1. ARGC – 2400: This camera is extremely long range (Day/Night) with;

- a. Read license plate at up to 1.2 km.
- b. Recognize a human being at 8 km.
- c. Classify a vehicle at 10 km.
- d. Pinpoint people in search and rescue activities at a distance greater than 10 km.
- e. Detect optical sights or snipers sights.
- f. Detect Ships and boats over 18 km.

2. ARGC – 750: This is a medium range surveillance cameras are most commonly used on vehicles and camps security.

- a. Vehicle classification at 4 km.
- b. Vehicle identification at 3 km.
- c. Human recognition at 3 km.
- d. Human identification at 1 km.
- e. Detect optical sights or snipers sights.

ClearView HD is an Advanced Video Enhancement System. This technology enhances everything from Surveillance videos to X-rays, cuts through fog and sees in the night and is equally powerful on land as it is underwater. This breakthrough technology functions with both real-time imaging as well as with previously recorded images. It enhances the details of any given image regardless of unfavourable climate and lighting conditions including fog, snow or rain. It can be used in your existing equipment. Just Plug and Play.

In short it helps you to see those important images you would otherwise miss!



ClearView HD is a patented, highly sophisticated unique **Image Processing System**, which is extremely robust, yet simple to use, and easy to integrate with your current cameras, systems or imaging devices, regardless of the application.



Simply put, **ClearView HD** creates clear images, even under the poorest climate and/or lighting conditions, in all environments, to include land, air and sea.

ClearView HD technology brings your video and still images into focus. You will literally **“See what you’re missing”**.

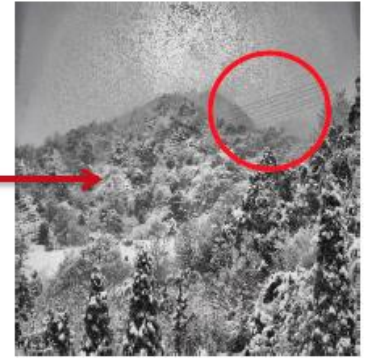
ClearView HD eliminates;

- Haze
- Mist
- Fog
- Dust
- Smoke
- Rain
- Backlight
- Glare
- Snow
- Glint
- Low-light
- Underwater particulates

Original Image



ClearView HD



ClearView HD is “Plug and Play”

1. Connect your camera or input into the back of the ClearView HD system
2. Connect output cable into screen or recording device
3. Instantly view your newly processed images – enhanced and in clear view



Original Image



Enhanced Image

ClearView HD processes live, pre-recorded and streaming media in real-time!

Market sectors utilizing ClearView HD:

- Security
- Surveillance
- Financial Institutions
- Offshore Drilling
- Nuclear Power Plants
- Military and Government
- Maritime
- Subsea Exploration
- Mining and Construction
- Medical Imaging
- Law Enforcement
- Forensics
- Traffic Control
- Airports / Seaports



Original Image



ClearView HD



Surveillance Vehicles

- Seamless rubber flooring
- Fabric blackout curtains in each operational window
- Solid surface Meganite countertop
- 18 RU equipment rack
- Captain's chair
- Operational and low level LED lighting
- 32" flat screen monitor
- Air conditioning system with a minimum air flow of 600 CFM
- 3000 BTU electric heater
- Independent air exchange system
- All electric work conforms to the
- Battery bank consists of six 100 AH gel cell batteries
- Battery bank isolated from the vehicle engine battery
- Combination inverter charger
- Four perimeter security cameras
- Four motorized pan, tilt, zoom, and focus surveillance cameras
 - 18x optical zoom,
 - 12x digital zoom
 - .005 lux
 - IP filtering
 - Password protection, HTTPS Encryption
- Notebook computer w/ remote camera observation and control software
- 1 TB external hard drive storage
- Joystick Camera Controller.
- Rack mounted power distribution panel and electrical monitoring.
- Audio RF receiver.
- Wi-Fi and broadband accessible network router w/ WEP security.
- Multipurpose printer.
- 120 VAC and 12 VDC receptacles.
- Environmental monitoring system.



CAR CHASSIS DETECTION SYSTEM

COMPLEX for detection of falsifications of Vehicle Identification Numbers (VIN)

Magneto-optical device Regula 7505 is designed for:

- verification of identification numbers in vehicle body/chassis and units;
- detection of falsifications in identification numbers;
- recovering original numbers if their relief is insufficient or they were altered;
- determining methods of altering numbers;
- controlling authenticity of accompanying documents and forms.



Concept of the complex

The core technology of the complex is the method of **magneto-optical visualization** (MOV) of surface relief and homogeneities of metals with magnetic characteristics: traces of metal-working, integrated non-ferromagnetic materials, surface defects of weld seams, etc.

This method is **non-destructive** and does not require removal of lacquer-and-paint coating (LPC) or corrosion layer.

Technology is applied by copying magnetic field in identification number area and visualization of copying results on PC. **VideoScope software**, developed by Regula, provides tools for analysis and storage of obtained data.

Detailed specifications and brochure can be supplied on request.

Crime Scene Investigation



XRY FIELD VERSION

ideally suited for mobile units in demanding conditions

The XRY FIELD VERSION is ideally suited for mobile units in demanding conditions. This equipment is designed for crime scene investigators, and mobile units of military intelligence, law enforcement and international organizations, such as United Nations peacekeepers.

Such organizations often require portable, self-sufficient forensic kits which are flexible, quick to use and easy to link to headquarters or remote computers. The Field Version incorporates all of these features – the hardware and soft-ware required in order to perform a complete and rapid analysis for the vast majority of mobile devices available today. Customers enjoy the security of working with a solution in which all the components work together effectively, significantly minimizing problems and support issues.

Micro Systemation developed this shock resistant, weather-proof, all-in-one Field Version of its XRY mobile forensic system in response to demand from customers worldwide. XRY is used widely by law enforcement agencies and other organizations around the world that need flexible tools.

The Field version meets the highest standards. It is ultra-rugged, designed to survive a 2 meter (6-foot) drop and provides a sealed, all-weather design. The unit weighs only 1.06 kg (2.3 lbs) and comes complete with a docking station for office use. This turns the same equipment into an office kit, with full connectivity for USB, Video Out and Ethernet, and has additional battery charging slots.

This all-in-one system features a Panasonic Tough book U1, supplied with the latest version of Micro Systemation's XRY software, fully installed and configured, along with all the necessary cables and components to conduct an examination in the field. The device is based on a Windows Operating System and is supplied open platform, to allow users to install and configure their own software onto the device alongside XRY as their needs dictate. Versatile, extremely rugged and ultra-portable with a 5.6" WSVGA Sunlight-Viewable Screen, the Panasonic Tough book U1 is a powerful solution for an ultra-mobile PC. The supplied Tough book U1 comes with Windows XP, a 64 GB Solid-State Drive and the Intel® Atom™ Processor.

The Field Version has hot-swappable batteries that last up to 9 hours, and the whole package is supplied in a shock resistant case which meets the highest standards of protection.



Mobile Forensic System



XRY complete is the all-in-one mobile forensic system from Micro Systemation combining both our logical and physical solutions into one package. XRY complete allows investigators full access to all the possible methods to recover data from a mobile device.

XRY is a purpose built software based solution, complete with all the necessary hardware for recovering data from mobile devices in a forensically secure manner. With XRY Complete you can achieve more and go deeper into a mobile device to recover vital data. With a combination of logical and physical analysis tools available for supported devices XRY complete can produce a combined report containing both live and deleted data from the same handset.

The XRY system is the first choice among law enforcement agencies worldwide, and represents a complete mobile forensic system supplied with all the necessary equipment you need to perform a forensic examination of a mobile device straight out of the box.

The supplied XRY software application runs on Windows and is powerful- enough to deal with all of the modern demands of forensic examiners. The user interface is simple to navigate, with a user friendly wizard designed to help guide you through the entire process from start to finish, so you can immediately start to recover data with confidence.

With XRY, a tamper-proof report is created within minutes which can easily be customized to a user's needs, including references and a user's own branding as required. The generated report can be printed in its entirety, or selected data required by the investigators can be prepared. Using XRY's export function, users are afforded a wide range of functionality to facilitate further distribution and analysis of the data.

SIM id-Cloner

Examine a mobile phone without the original SIM card:

With SIM id-Cloner the examiner can create a SIM card, which gives access to the phone without destroying the call list.

The examiner needs either ICCID or IMSI, which normally require a contact with the mobile network operator.

Examine a mobile phone with a PIN locked SIM card:

There is a SIM card in the phone which is PIN locked and it is difficult at short notice to get information from the mobile network provider (e.g. PUK code).With the SIM id-Cloner the examiner can create SIM card, which gives access to the phone without destroying the call list.

This is suitable for phones where only ICCID is needed. In some cases it is possible also to retrieve IMSI from the phone memory.

Examine a mobile phone without connecting to the mobile network:

The SIM card is available and not PIN locked, but the examiner needs to do the mobile phone examination without any connection to the mobile network. The reason for that is to avoid incoming calls or text messages to the mobile phone during the examination. With SIM id-Cloner the examiner can create a SIM card that allows you to do the examination during radio silence and without destroying the call list.

Other benefits with SIM id-Cloner:

Tested with many different mobile phones and SIM cards

Our SIM id-Cloner examination card has been tested with many different phone models and SIM cards and it is specified to work with almost all phones. For a detailed description for each phone model, see the SIM id-Cloner manual.

The SIM id-Cloner manual includes all the information you need:

Read the SIM id-Cloner manual and you will understand how to create a SIM id-Clone for the individual phone model that you need to examine based on our testing of each individual phone model.

Well integrated with .XRY:

SIM id-Cloner is well integrated in .XRY if you don't have an .XRY license you can run SIM id-Cloner with .XRY reader, available at no charge. If you have an .XRY license then you can use the same SIM card reader as .XRY.

You need a separate license for SIM id-Cloner.

Cost effective, rewritable SIM cards:

SIM id-Cloner examination card are re writable, which means that you don't need one for every examination.

Definitions:

ICCID = Integrated circuit card identity.

IMSI = International mobile subscriber identity





Technology used by insurgents and terrorists is increasingly sophisticated and readily available; countering this threat requires the most reliable and advanced equipment possible.

Our extensive product portfolio includes counter surveillance scanners to detect audio/visual transmissions, as well as audio surveillance equipment to ensure you are always one step ahead. In addition we offer a range of search tools to locate electronic, corrosive and metallic targets both buried and on the surface.

Counter-surveillance receivers

As technology advances and eavesdropping devices become more complex, Audiotel International has developed the Scanlock M3 to keep you safe. It is not only able to search and locate signals, but in addition is the only product on the market which can identify the type of signal being transmitted.



Fixed and mobile room protection

Room Guard is a detector that is always on guard protecting against all kinds of radio eavesdropping devices – it uniquely highlights the use of mobile phone networks, radio signals and Blue tooth transmissions.

This sensor is also available in a mobile portable Meeting Guard variant specifically aimed at office environments.





Non Linear Junction Detectors

Audiotel International offers a range of advanced NLJDs to meet all your detection needs. The SuperBroom Advanced is suitable for internal or external environments, above or below ground searching and capable of detecting electronic devices even when they are turned off.

The Detect IV is a revolutionary all in one multi-threat detector. Combining the advanced technology of broadband detection, harmonic receiving, Non Linear Junction Detection (NLJD) and metal detection, resulting in a versatile search and locate counter surveillance tool.

The Artemis Advanced is our most advanced NLJD to date with market leading features for specialist search. Suitable for external or internal detection, this user configurable detector will locate electronic, corrosive and metallic targets both buried and on the surface. It is simple to operate, robust and highly capable.

Together these offer invaluable protection against a wide spectrum of threats and provide a simple, effective and easy to use integrated solution.





Weight Management Systems

The unique UHS2 weight management system has been designed specifically to overcome the burden of the increased load. The versatile design of UHS2 makes it compatible with NATO style Enhanced Combat Body Armour, utilising the universal MOLLE (Modular Lightweight Load-carrying Equipment) system.

Audio Surveillance Equipment

Audiotel International offers high quality, evidential audio surveillance equipment suitable for a variety of covert applications. The range includes short and long range transceivers, with the capability to be body worn, quick plant, throw away or host/Trojan. With short and long range antennas being supported by repeaters as well as internet listening capability through a web browser, gives you the flexibility to listen audio from anywhere in the world. We also offer through the wall listening capability that includes dual Knowles microphone, dual Probe Microphones and dual Accelerometers.



EZTherm 875i Series

Sensitivity, resolution and value.

Quality right out of the box, with class-leading sensitivity and super resolution option (320x240), this series of imagers provides the right amount of power and flexibility to provide quality thermal imaging at an affordable value.

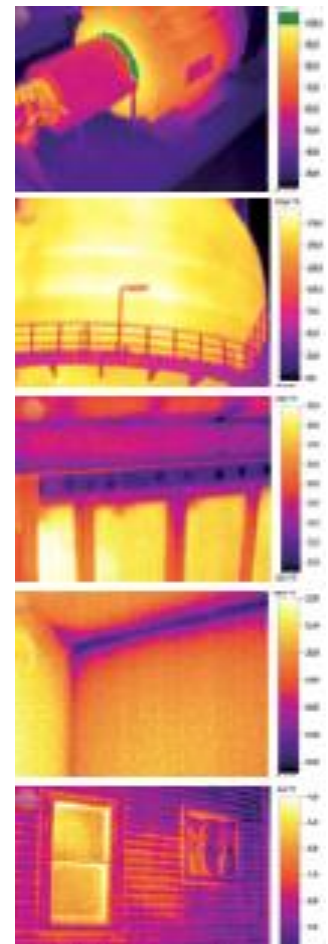
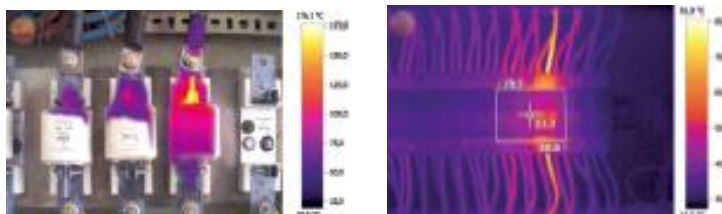
Available in four variations to fit the needs of building science and preventive maintenance professionals, the EZTherm 875i Series supplies the right amount of features for any job site.



Features

- A large 3.5" LCD screen for easier onsite image analysis.
- Detector resolution 160x120 super resolution 320x240.
- < 50 mK NETD sensitivity.
- High temperature option 1022°F.
- Twin Pix software technology blends thermal and visual image together.
- Solar mode.
- Isotherms.
- Voice annotation.
- Customizable reporting software.

Meets all RESNET® Standards





AGNITIO

Voice Biometrics

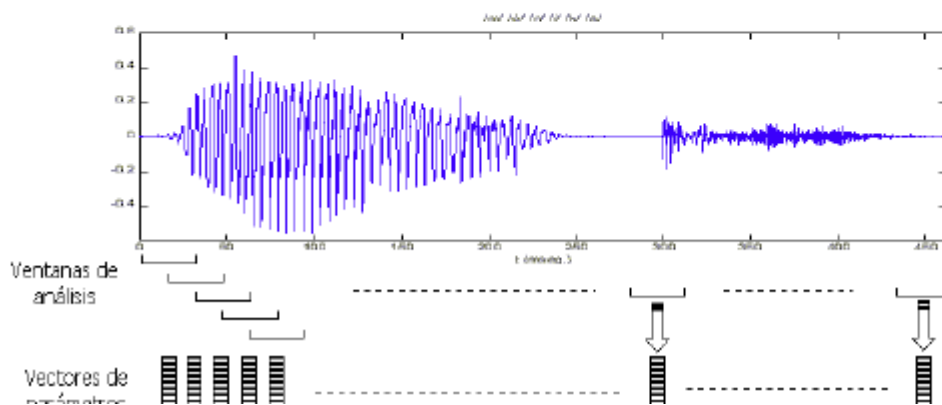


Forensic and Intelligence Voice Biometrics Implementations



What is Voice Biometrics?

Extraction of unique characteristics of *vocal tract*, from voice sound waves.



Agnitio's Unique Approach

Text Independent

- Voice match is done independently of what the person is saying

Cross Language capabilities

- Voice print can be obtained in *one language*, and matched with voice sample in *another language*

Works with any voice channel

- Microphone, land line telephone, cellular phones, VoIP,..

Proven in the most demanding environments.

- Forensic Labs, Law enforcement, Intelligence.

Presenting Evidence in Court

Speaker ID in Forensic Laboratories

Voice is used as evidence in cases where phone conversations are taped. Forensic experts use AGNITIO's BATVOX system to verify identity of speaker

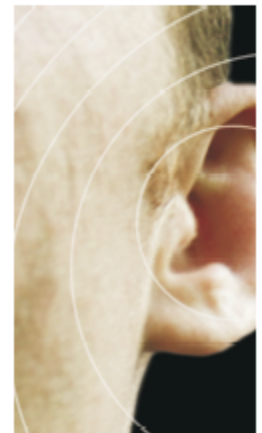


Catalin Grigoras, Director of the Forensic Center at the University of Colorado, works in his lab.

BATVOX: "de facto" standard in Automatic Speaker Verification in more than 20 countries.

BS3: Key filtering tool for Intelligence Agencies

- **Speaker detection** in mass telephone interceptions
- Spotted audios are returned with an associated target matching score
- **Language** Identification (Open Set Language identification), **Gender** identification and **Multispeaker** capabilities
- Strong **Front-End** (pre-processing) capabilities to remove artifacts, noises and non-voice events. Automatic Voice Activity Detection.
- Uses **GMM-JFA core technology**, the most accurate and advanced



BS3 drastically reduces time spent scanning voice in mass voice interception systems.



GSM Mobile Tracer (& Locator) – GSM-MT(L)3



General description:

Retrieve and record IMSI and IMEI data from any GSM network in the world by means of the GSM-MT(L)3.

Pinpoint the position of mobile phones by using the GSM-MTL3 version in connection with the Mobile Finder GSM-MF

IMSI

"International Mobile Subscriber Identity"

A 15-digit number which identifies the mobile phone user. The number consists of:

- 3 digit mobile country code (MCC)
- 2-3 digit mobile network code (MNC)
- max. 10-digit user identification.

IMEI

"International Mobile Equipment Identity"

A 15-digit serial number which identifies the mobile phone. The number consists of:

- 6-digit type approval code (TAC)
- 2-digit final assembly code (FAC)
- 6-digit serial number (SNR)
- 1-digit spare (SP)

**Operation:**

The GSM-MT(L)3 simulates a radio cell within the GSM network while utilizing data gained from the network analysis.

The gradual increase of output power causes almost no interferences within the GSM network. Mobile phones within receiving range are not impaired also.

Operation:

“Caught“ mobile phones are forced to transfer their data (IMSI, IMEI plus MMC, MNC, LAC o their last registered position are read out).

Depending on the operating mode, mobile phones are thereafter upheld or released.

On upholding the mobile phones, a connection can be established to one of the mobile phones.

The connection is enabled through pinpoint localization by means of the GSM Mobile Finder (GSM-MF).

Operation:

Automatic mode: All providers, which were identified through network analysis, are processed in succession and all mobile phones within receiving range are read out automatically.

Expert mode: Herein all necessary parameters can be adjusted.

Collected data are stored in an activity related data base and may thus be evaluated later on.

Operating Modes:

IMEI / IMSI are read out and the mobile phone is released, whereas recurrent logons require new LAC each time.

IMEI / IMSI are read out and the mobile phone is released but locked by the GSM-MT(L)3.

A selected mobile phone is upheld by the

GSM-MT(L)3 and communication can thus be prevented.

A selected mobile phone is upheld by the GSM-MT(L)3 and localization may occur by means of the GSM-MF.

GSM MF



General description:

Pinpoint the position of mobile phones by using the GSM Mobile Finder (GSM-MF) in connection with the GSM Mobile Tracer & Locator (GSM-MTL)³.

Operation:

The device has 10 receiving channels so that unoccupied frequencies are ensured.

The outstanding receiving range (-100 dBm to +10 dBm) enables localization of far-off mobile phones as well as those at close range.

A special antenna enables precise direction finding and, thus, rapid approach to the sought mobile phone.

GSM-PA



General description:

Sound operation of the GSM-MT(L)3 requires a precise analysis of the GSM network.

To ensure a concealed network analysis at close range of the sought mobile phone, we provide a mobile and handy solution that consists of a Bluetooth PDA and a measuring mobile phone.

Analysis occurs automatically, is stored on the PDA and can subsequently be imported into the software of the GSM-MT(L)3.



GSM Network Analyzer – GSM-NA



GSM Phone Number Finder – GSM-PNF



GSM portable analyzer - GSM-PA

GSM-Monitoring System Semi Active FALCON E+



1. Introduction

FALCON E+ System is designed to:

- Detect GSM standard mobile stations within the system controlled zone.
- Monitoring incoming and outgoing connections from those mobile stations;
- Manipulate the state of mobile stations registered by the system.
- System functions discreetly in various networks using different types of ciphering (A5.2, A5.1).

1.1. System provides

- Interception of the main parameters of mobile stations – IMSI, IMEI, KC, etc. necessary to operate the system;
- Full control of incoming and outgoing mobile stations traffic detected within the system operation area.
- Manipulation of mobile station state including detection of location of mobile station, i.e. target by activating target transmitter.

System can operate in the following modes:



1.2. “Catcher”

- IMSI and IMEI catching (discrete interception of the main identification parameters of mobile station (IMSI, IMEI, TMSI, KC, etc.).
- Detection, control of incoming and outgoing of mobile stations, their activation and deactivation within the system operation area.
- Inhibiting the target from operating or inhibiting an entire group of targets from operating within the system operational range.

1.3. “Interceptor”

Provides full control of mobile stations traffic entering system operation area. Two control modes:

- Random (all mobile stations)
- IMSI or/and IMEI (only targets)

System selects the target by IMSI and/or IMEI identification. System also searches those targets by using statistics result of processing registered users list.

System operates discreetly and is not detected by the mobile station user. It does not cause interferences for the external mobile GSM networks.

1.4. “Local network”

- System can allow specific mobile phones to operate while inhibiting other specific mobile phones in a specific a “Local Network” area. This can be very useful in critical situations.
- Hostage Situations –Search, detects and can contact the GSM mobile phone owner within the monitoring range of the system. (System can engage specific mobile phones within the system’s operational range).
- The “Local network” can be as large as a 500 meter radius or as small as an office.

1.5. “Detection”

System provides detection of mobile phones within the system operation area by employing typical measures of radio control and discreet activation of the transmitter of the mobile phone.

HPC, USA

Bullet Proof Vehicles



Mercedes G-Class



BMW 7-series



Toyota Land Cruiser



Toyota Corolla

HPC's armoring Headquarters are located in USA with armoring conversion facilities in the U.S, Brazil, Mexico, Jordan and Dubai. HPC's firing range is one of the most complete in the world.

It is composed of a firing stand with different calibers (.38, .380, .357, 440 magnum, 5.56 x 45, 7.62 x 39, 7.62 x 51, caliber 12 and .50).



Honda Civic

Threat Protection: B4, B4+, B6, B6+, VR9

SPECTRADOME MAGNAVISON:

Long Range Infrared Night Vision Camera System.



The SPECTRADOME Magnavision is a long range infrared night vision camera system able to allow clear vision and people recognition in full darkness up until to 300 yards/meters (and sometimes more, depending on operating environment) away, guaranteed!

System comes in a full package with included control deck and TFT monitor: it can be installed on any vehicle with 24VDC power supply, for patrol and long range surveillance applications.

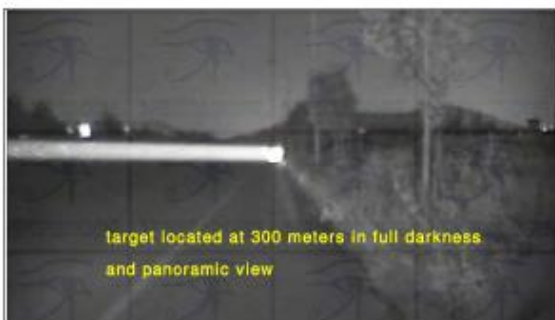
Technical Specifications:

Full day and night operation (image changes from color to B/W automatically, according to ambient light).

- CCD Sony chipset at 540 TV lines resolution.
- Lens: f=3,5-91mm with 26x optical zoom.
- Lens field of view: 2,3°-55°.
- Video recording: optionally available.
- UMTS-3G remote video sending: optionally available.
- Night Vision: IR illumination (no glow optionally available).
- Active IR field of view: 2°-45°.
- Active Zooming field of view: 0,5°-17°
- Zooming: Motorized continuous and intelligent (independent adjusting and focusing of IR illumination and camera vision).

- Embedded PTZ commands: 360° horizontally - +/-90° vertically.
- Stepless shift: 0°-80°.
- Tracking paths: 6.
- Self-patrolling option: yes (30 seconds).
- PTZ protocol compatibility: PELCO D + P.
- OSD menu.
- Impact resistant shell.
- IP67 and harsh environment operation compatibility.
- Power supply 24VDC 2.5Ah.
- Weight: 6,5Kgs.

MAGNAVISION IN ACTION:



zooming in...



SPECTRADOME “SUPER OBSERVER” - new 2014 version

The new "SUPER OBSERVER" is a professional yet affordable system for land-to-land observation. It proves absolutely useful whenever you must get video along with audio out of any investigation scene. Thanks to its stunning magnification capabilities, Makes you virtually invisible while observing the whole situation as it is happening.

"SUPER OBSERVER" is lightweight and car portable, installs in dozens of minutes and comes complete with a full range of accessories including portable digital video recording unit with small-size TFT color monitor and 3G relay system (depending on version).

The new 2014 “SUPER OBSERVER” comes available in 4 different versions as follows:



1. Guardian basic: main unit with super compact dimensions (53x16x16cm approx.), day and night use, extended observation range, OSD controls, portable DVR with embedded monitor, tripod plate mount, professional pistol-grip tripod, IP67 carrying case;

2. Guardian advanced: main unit with super compact dimensions (53x16x16 approx.), for day and night use, extended observation range, OSD controls, digital video recording and 3G relay system with remote laptop monitoring (laptop included) and GPS position display, tripod plate mount, professional pistol-grip tripod, IP67 carrying case, long-range IR laser illuminator for use in total darkness;

3. Professional: disguised body shaped as ordinary picture camera, for night and daylight use, image color and sensitivity change according to ambient light, OSD controls , comes included with MIL-STD cases, professional tripod, digital video recording system with embedded TFT monitor;

4. Professional LASER: disguised body shaped as ordinary picture camera, for night and daylight use, image color and sensitivity change according to ambient light, OSD controls , comes included with MIL-STD cases, professional tripod, digital video recording and 3G relay system with remote laptop monitoring (laptop included) and GPS position display, long-range IR laser illuminator for enhanced use in total darkness.

All versions allow connection to large TFT screen/monitor in addition to the standard recording features provided.

A few images showing performance capabilities for guardian versions of our SUPER OBSERVER:



Target vehicles are shown in the above picture (inside a red circle) at approximately 400 meters away (picture has been taken with a high-end 5Mpxl digital camera) Again, a picture of the same target vehicles from 400 meters away this time with the camera zoom stretched to the maximum:



INTERCEPTOR VAN & VEHICLES

Supporting both our end clients and business partners with the very latest technology, SPECTRADOME is able to provide a number of police investigation services and systems to Law Enforcement and Government Agencies worldwide.



Our systems have been specifically designed and developed to support audio, video and computer data monitoring and harvesting during law enforcement operations.

A fully passive GSM/cellular interceptor system can also be embedded with the interceptor van, with a channel configuration that is only depending on specifications received from our clients.

We also offer modified cars to act as unobtrusive audio/video and cell phone monitoring tools.

If you would like to purchase our technologies to integrate with your current equipment line-up, contact us with confidence as we will definitely find a solution to meet your needs.

We do specialize in customization of interception vehicles upon specific requirement.

All of our audio, video and GPS tracking systems for lawful interception provide your agency, company or your institutional client with turn-key solutions which are easy to use and exhaustive for the amount and type of data they handle.

A few examples are as follows:

- interceptor van
- advanced GPS tracking system for police investigations
- UMTS audio monitoring for room and vehicle
- UMTS-based video monitoring
- PC and Skype monitoring
- passive GSM and cell phone monitoring



Interceptor van

This is a fully disguised van, equipped with everything needed to support revolving tail operations and local/long range audio and video monitoring of suspects.

No suspicious device (such as cameras or antennas) is visible from outside while the whole investigation can be carried out from the inside control desk in full real time no matter if it is GPS, audio or video.

Remote monitoring and data exchange with our main control server is possible directly from inside the van for all of our

audio/video/GPS monitoring devices regardless of the actual location of these.

Upon specific requirement the vehicle is equipped with a tactical, passive GSM/cell phone interceptor.

The SPECTRADOME interceptor van features:

- fully covert external cameras for parametric monitoring and protection of the van.
- fully covert external cameras with PTZ control for long range (up to 1000yds) video monitoring.
- PTZ controller with joystick.
- AOR wide band receiver for wireless audio bug reception.
- wide-band video receiver for wireless video bug reception.
- wireless repeater for VHF and UHF bug operating range extension.
- motion-detection enabled 16CH professional DVR.
- CD or DVD burner for immediate back-up of most urgent recordings.
- electrical system for antenna engagement and positioning.
- GPS tracking client PC for remote management of our GPS tracking devices.
- AC power feeding for additional equipment (up to 24hrs of continuous operating time).
- remote access and management of all the audio/video/GPS data harvested from bug devices.



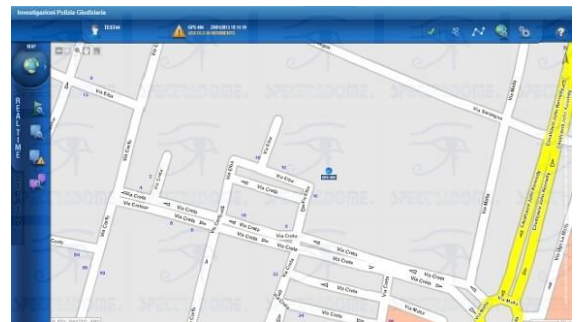
GPS tracking system

Advanced GPS tracking system for law enforcement investigations. Thanks to its client/server design, this revolutionary system allows simultaneous location and tracking of multiple vehicles, objects or people. After activation has been triggered by GPS shift or motion detection, our advanced GPS tracking system stores the full tracking data into its embedded memory and sends it to our remote server upon specific request/command only.

Data recording frequency is customizable and the embedded memory is able to store tracking information up to two years before saturation.

The GPS tracking device is completely remote controlled by user interface on our proprietary control server and comes equipped with advanced features (such as meeting notifications of vehicles under tracking and simultaneous tracking of leader and follower).

The whole system operation can be supervised and handled remotely from inside our interceptor van.



W-CDMA/UMTS audio bug

W-CDMA/UMTS remote audio monitoring for law enforcement investigations.

Fully deployable inside vehicles and buildings, this very special remote audio monitoring system offers ultimate concealment with a remote audio monitoring and recording performance which stands neatly above conventional GSM standards.

A special feature for programmable ON/OFF operation makes this remote audio monitoring tool the perfect device to avoid bug sweeping of the monitored vehicle(s) or premises, whereas the continuous recording is allowed by an embedded FIFO-based memory system. The device is able to sense the absence of cell phone signal coverage and operate accordingly, by parking the various audio

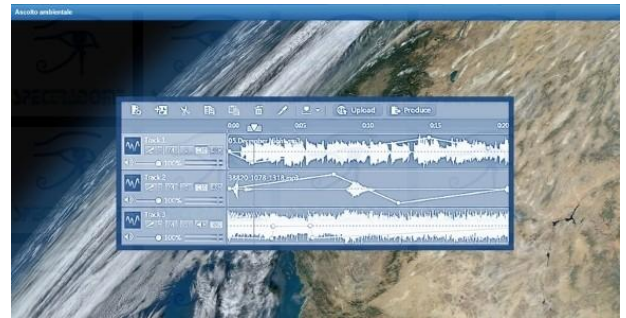


recordings on its internal memory then upload them to the remote control and storage server as soon as the cell phone signal coverage is available: this incredible features makes the use of cell phone jammers by the crooks virtually useless to avoid interception.

If cell phone signal is jammed or lost, the internal memory allows up to 11 days of uninterrupted audio recording in stereo mode, mid level recording quality (level 5 on a 1 to 10 scale).

Additional features:

- two wired microphones for programmable stereo or mono recordings
- double power feeding system (rechargeable battery and AC mains)
- remote-controlled audio recording start and stop
- remote-controlled background noise filter
- remote-controlled audio quality settings



W-CDMA/UMTS video bug

W-CDMA/UMTS remote video monitoring for law enforcement investigations

The W-CDMA/UMTS remote video monitoring system for law enforcement by SPECTRADOME uses advanced devices which are seamlessly connected to a server platform collecting all the video data and managing a remarkable number of simultaneous operations, including real time video monitoring and recording.

PTZ controls are fully remote able and video monitoring shows no virtual range limitations as long as the monitored area where the device is installed stays under W-CDMA/UMTS coverage.

The special hardware allows makes it possible to perform short or long range video monitoring including detailed viewing of various details (such as faces, license plates or signboards).



GSM/cell phone interceptor

A fully passive GSM interceptor is available for integration and operation from directly inside the interceptor van.

System does not require cell phone carrier's cooperation and allows cell phone conversation monitoring and recording directly from inside the vehicle.

Additional cell phone interception information such as:

Target number list

- TMSI
- IMSI

text messages (SMS)

is made available for recording and monitoring.

Channel configuration depends on customer's request and different system options (such as IMSI capture with selective jamming, 3G downgrading, etc.) are also available upon requirement.



PV33 UMTS "THE PROTECTOR" UMTS/WI-FI GPS TRACKING SYSTEM WITH A/V MONITORING

Our PV33-U UMTS/Wi-Fi/GPS tracker with A/V monitoring is the latest version of our super-versatile PROTECTOR system which has been specifically developed to address gps tracking as well as mobile audio and video monitoring needs of vehicles.

The latest PROTECTOR UMTS system pushes the limit away like never before, as it comes available in two different versions and with a number of truly impressive and unprecedented features.

The PROTECTOR UMTS is one of the best systems today for integrated mobile tracking and A/V monitoring applications: do not think about anything else if you really want the highest level of security for your vehicles and properties on the road.

Two different versions are available: BASIC version (available with local A/V recording and playback features only) and ADVANCED version (complete with all the above features listed). Product demos are available worldwide upon reservation and only after payment of the required demo fees and expenses.



PV33 GPS/RF PORTABLE RADIO FREQUENCY GPS TRACKING SYSTEM

The GPS/RF (radio frequency GPS tracking system) PROTECTOR RF allows tracking of vehicles, vessels, helicopters, planes, mobile assets and even people by using radio frequency links instead of ordinary GSM/cellular connections.

Entirely developed by SPECTRADOME to suit its military clients' specifications, this civilian-use version offers tactical radio frequency tracking with GPS precision and it was designed to allow hassle-free multiple target tracking within urban and non-urban environments.

Easily deployable in a matter of minutes, the PROTECTOR RF tracking system will help you locating your target vehicle/asset or personnel even if they should enter any building, tunnel or ground parking lot (GPS/RF-DF Doppler version only). Specifically designed for professional users, this cutting-edge tracking system is definitely the right product for those who need a reliable GPS tracking system that is NOT based on GSM/cellular technology to send out GPS tracking data.

Apart from being immune to low GSM/cell phone signal coverage/loss issues, our system presents the truly remarkable advantage to offer GPS tracking at ZERO airtime costs.

System already comes in a tactical configuration that is able to simultaneously track and display multiple targets on geo-referenced base map (included and available for both EU and US).

Encrypted and military-grade versions of this system are also available



PV33-DF RADIO DIRECTION FINDER SYSTEM WITH GPS

The radio direction finder system with GPS is a truly advanced radio frequency tracking system which allows tailing a vehicle in a totally different fashion from the conventional GPS tracking systems.

By avoiding the use of any cellular network, system is able to detect a given radio frequency signal showing its bearing and position on a GPS map: just install the provided tracking transmitter on the target vehicle and turn system on.

Because there is no use of the cellular network during tracking process, system offers zero airtime operation costs (wireless Internet connection is necessary on the tracking PC to download the maps).

Operating range may vary from a few hundred yards/meters to many tenths of mi/km depending on system configuration (mainly transmitter power and frequency) as well as physical obstacles which are present between transmitter and receiver.

System is also capable of tracking many different targets (one by one, not all of them at once) and comes complete with everything needed to operate as soon as you get it out of its case (in-vehicle use is required):

- UHF antenna array with antenna controller for vehicle roof installation.
- Tracking PC with tracking software.
- Digital direction finder system with RF receiver.
- UHF tracking transmitter with rechargeable battery and magnets.
- Battery charger.
- IP67 MIL-STD case with rechargeable battery power feeding.
- IP67 MIL-STD case for antennae, tracking transmitter, tracking PC and accessories.



All information provided in this manual is strictly confidential to the designated recipient.

SPECTRADOME G-MONITOR

OFF-THE-AIR PASSIVE CELLULAR PHONE INTERCEPTOR

FOR GSM/PCS NETWORKS

Cellular phone interception today is a very effective tool against crime.

While the greatest majority of cell phone interception systems currently used worldwide need the joint cooperation and efforts of both the law enforcement agency and the cellular carrier, most delicate and sensitive investigations may require a totally different kind of approach.

Matter of fact, when a third party is involved in a serious crime investigation, extended times may be necessary to complete all the (technical) procedures to get the cellular interception system up and running.

Besides, if the target under surveillance is a high-profile criminal, the risk of an insider at telco level, extending classified information regarding the ongoing investigation, is everything but minimal thus posing a serious threat to the whole operation and in some cases vanishing the hard work of dozens of people.

If your law enforcement or government agency is not open to take chances when stakes are high and needs field advantage when the time is right, there is only one possible alternative to the above scenario: the SPECTRADOME G-monitor off-the-air passive GSM/PCS interceptor.

This extraordinary tool, will allow to empower investigations with multiple advantages, all at the same time:

1. extremely fast deployment times without the hinders of either technical or bureaucratic procedures
2. tactical configuration for use in virtually any situation
3. utmost secrecy with zero risk of sensitive information disclosure by telco insiders
4. highest reliability
5. full invisibility to the cell phone carrier control and management center

G-MONITOR: A UNIQUE APPROACH

The A5/1 encryption is a stream cipher used to provide over-the-air (OTA) communication privacy in the GSM and GSM-based cellular network systems for all GSM handset users, it is supposed to be highly secure from “off-the-air” attacks.

This system makes it possible to have invisible, real time deciphering of GSM traffic with KC evaluation for all forms of government operations requiring such interception.

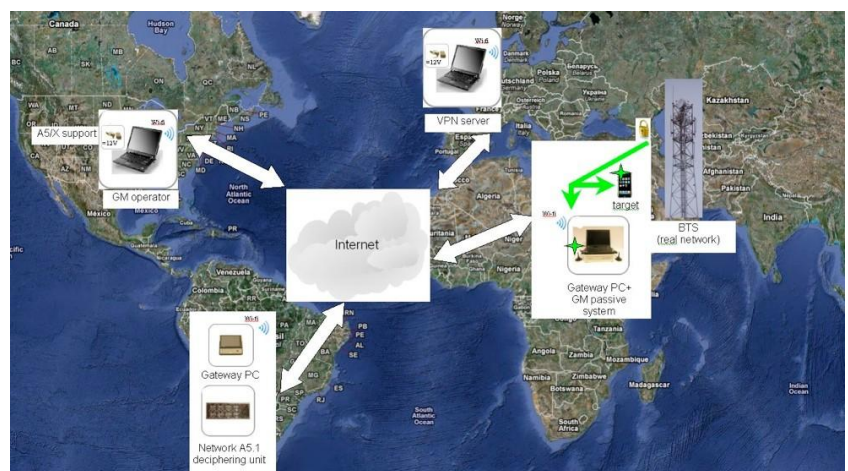
Our G-monitor system is able to operate with all GSM providers, that encrypt OTA data by using A5.1 ciphering.

The A5.1 deciphering unit is controlled by a special laptop computer: this computer is responsible for deciphering the targets unique KC number and then communicates with the G-monitor receiver system to allow full demodulation of voice and SMS.

The special laptop and the A5/1 Decipher unit can be connected together either directly by LAN cable or wireless connection using any available communication means (GPRS, UMTS, satellite link, etc.) as well as via highly encrypted secure Internet VPN connection.

One of the main advantages and peculiar features which makes our G-monitor system truly unique, is that the A5/1 deciphering unit can serve more than one G-monitor special laptop according to a typical server-client application.

This makes possible to leave the A5/1 deciphering unit located at the law enforcement department headquarters while staying connected to the Internet with a static IP address whilst the G-monitor laptop(s) can be located virtually anywhere in the world.



HOW DOES IT WORK?

The G-monitor starts listening to the OTA data and sends it to A5/1 decipher unit via encrypted bit stream – usually one encrypted burst derived from the forward (down link) channel.

The A5/1 decipher unit calculates the ciphering key (Kc) of the target handset and sends it back to the main GSM system.

The G-monitor system implements the Kc within the software operation and decrypts communication of the target. With the Kc information already obtained, the intercept and decryption is an almost immediate process.

The G-monitor can monitor all GSM data traffic in real time and save it to the hard disk.

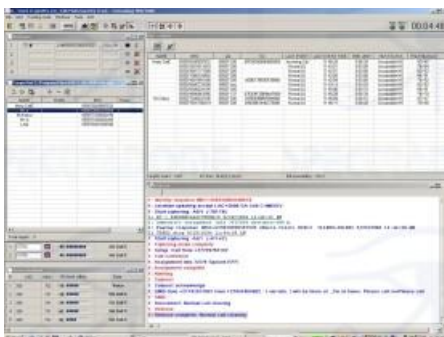
As with all GSM intercept systems, it is possible to play voice conversations back and read all protocol messages, including SMS.

SYSTEM POTENTIALS.

The SPECTRADOME G-monitor is intended for intercepting, monitoring and recording cellular phone communications on GSM and GSM-based digital cellular networks using any of the known ciphering methods, these including the strongest algorithm A5.1 .

The SPECTRADOME G-monitor is able to intercept GSM phone calls and SMS (short messages) in real time, these by deciphering its network key codes while the phone is active in the area of coverage of the system antennas.

System searches for mobile phones activities (paging, registration, and mobile phone identification numbers such as IMSI, TMSI and IMEI) in a certain MNC (Mobile Network Code or service operator), by activating the location update request for a certain cell and LAC (Location Area Code); using this process the system can locate the presence of a GSM mobile phone and therefore find its essential keys and identification numbers for immediate target real-time monitoring.



Although this process of locating phones in an MNC and in a specific cell is an *active* function which is transmitted by the SPECTRADOME G-monitor, this process known as 'location update' is a normal process for GSM mobile phones; therefore the SPECTRADOME G-monitor system stays invisible for the service provider as well as for the target mobile phone(s).

The intercepted targets stay represented in the service provider's MSC and HLR, therefore their own services and user rights are not changed.

Once the Mobile Phone is registered into the SPECTRADOME G-monitor system 'HLR' (Home Location Register) data base and its Kc (i.e: GSM security 64 bit session key) is found, any communication between the mobile phone and the GSM network is intercepted, interpreted and copied, to allow immediate listening of the call voice, or viewing of the short messages and all the related data.

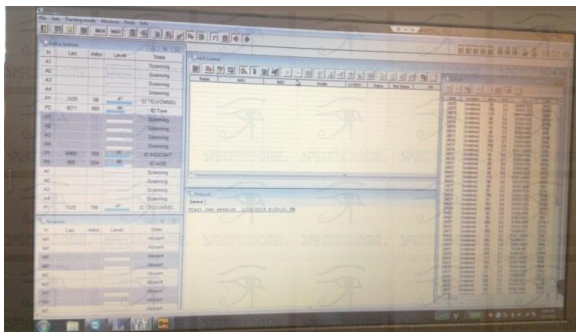
The full call information as well as audio, traffic, registrations, and other activities are registered in the system database, allowing its easy and simple reproduction for off-line data analysis.

MAIN FUNCTIONS

- GSM operator selection: manual selection of MCC + MNC, LAC and BCCH, from a list of available GSM networks in the deployment area.
- Random/target selective interception: the system can operate in random mode by intercepting the traffic in the area of operation or in selective mode by IMSI and/or IMEI, filtering only the traffic of the targets added to the targets data base list.
- Grabbing: function of collecting mobile phones identities in the area of operation.
- Registration acceptance/rejection: every MS (Mobile Station) whose identity and Kc is found is accepted in the G-monitor system 's HLR as long as it is active in the coverage area, but it can as well be manually rejected or deleted from the data base, these to avoid its interception and monitoring.
- Periodic or manual, presence test: a location-update-for-presence check is requested from MS in a periodic interval of 7 minutes. This request can also be performed manually at any time.
- Output power control: the transmission power is controlled by a software parameter indicating from lowest to highest power as required:
 - 900Mhz and 850Mhz min 32mW max 8000mW.
 - 1800 and 1900Mhz min 40mW max 10000mW.

- Target selection: setting up a target from the list of intercepted calls and data. Targets can be added manually, as well.
- PN discovering: unveils the mobile phone PN (public number) or subscriber number (MSISDN).
- Reception power of the MS: the RF reception of power in dBm is calculated and displayed by the system. As smaller the number is, farther is the distance between the MS and the G-monitor system . This function can be used to estimate the proximity of the target relative to the system's position.
- Target locating using a direction finding tool: continuously activates the target's MS.
- transmission to find its presence in the coverage area using a direction finding tool.
- MS services control/blocking: enabling or disabling MS ability of making or receiving calls, sending or receiving SMS and the use of SS (system services such as credit status, voice messages, customer services, etc.).
- Off-line query: the call-related information is recorded in the computer's hard disk in Access data base msSQL format; the searching and analysis of the information can be done using a special application 'RecBase' which allows finding the appropriate information by selected data using wild cards or sorting on any field of the data base table.
- Audio and call-related information extraction: for compatibility with other Windows applications such as 'media player' or 'MSword' audio can be exported into .WAV format and call-related information into text format.

Unique function of stealing target's identity: using target's identity, calls can be made and SMS can be sent on his behalf, directly from the system's computer or using a mobile phone.



Detailed specifications and brochure available on request.

All information provided in this manual is strictly confidential to the designated recipient. Any equipment, parts and components described in this manual, as well as their sale are restricted to authorized law enforcement agencies ONLY!

Safe Talk TCS

This incredible and unique meeting conversation system represents the result of PECTRADOME's efforts in bringing to life a compact and completely portable system that is 120% effective against illegal/unauthorized eavesdropping and also easy to use and deploy.

The acronym "T.C.S." stands for "Total Counter measure System", meaning that SAFE-TALK TCS© systems are actually effective against any audio surveillance equipment known to man including wired microphones, contact microphones, RF transmitters of any kind, infrared transmitters, LASER listening devices, carrier current transmitters, infinity transmitters, GSM transmitters, infinity cell phones, radar bugs, directional and parabolic microphones, analog and digital voice recorders of any brand and kind.

System is completely portable, carefully disguised into an ordinary-looking executive briefcase, powered by hi-capacity rechargeable batteries and allows up to 4 users (up to 8 users for the optionally available "E-X" version) to have completely secure conversations and to talk to one-another both in simplex or full-duplex mode.

Each user is provided with a special "talk-and-listen" setup which must be connected to the system for enabling actual secure conversation; each user can also be selectively excluded from conversation and users may also agree and decide to record their conversation via the dedicated and unique audio recording output.

NEW 2010 VERSIONS

The new 2010 versions of the sistema SAFE-TALK TCS® system are probably the most Complete conversation+telephone countermeasure security systems available on the market today, allowing you to secure any kind of voice conversations:



Detailed specifications and brochure available on request.

GSM-UMTS SELECTIVE JAMMER

Unlike conventional cell phone jammers on the market, our GSM-UMTS selective jammer is able to selectively prevent specific cell phone subscribers/users to use their phones, while others will still be able to.

To be able to selectively jam cell phone users, the whole system operation is completely computer-assisted and selective jamming takes place by a jamming process which is based on unique identifiers such as IMSI and IMEI: a quick comparison of these identifiers with the associated cell phone numbers stored into cell phone carrier's database and archives provides the SWAT team with a full identification of the target users to jam.



Each system is semi-portable and consists of a laptop control computer with dedicated software and a main RF unit with receivers tuned on the specific GSM or UMTS frequencies and RF jamming transmitters for the very same frequencies.

The whole system is very user-friendly with a GUI consisting of a free list and a blocked list; additionally the system does not require the SWAT team to perform any complicated configuration as long as the cellular network parameters are concerned to allow operation: thanks to a unique feature, it is sufficient for the SWAT team to insert a SIM card of the cell phone carrier used by the target users to get a fully automated system configuration.

Each system can operate on a single cell phone carrier at a time.

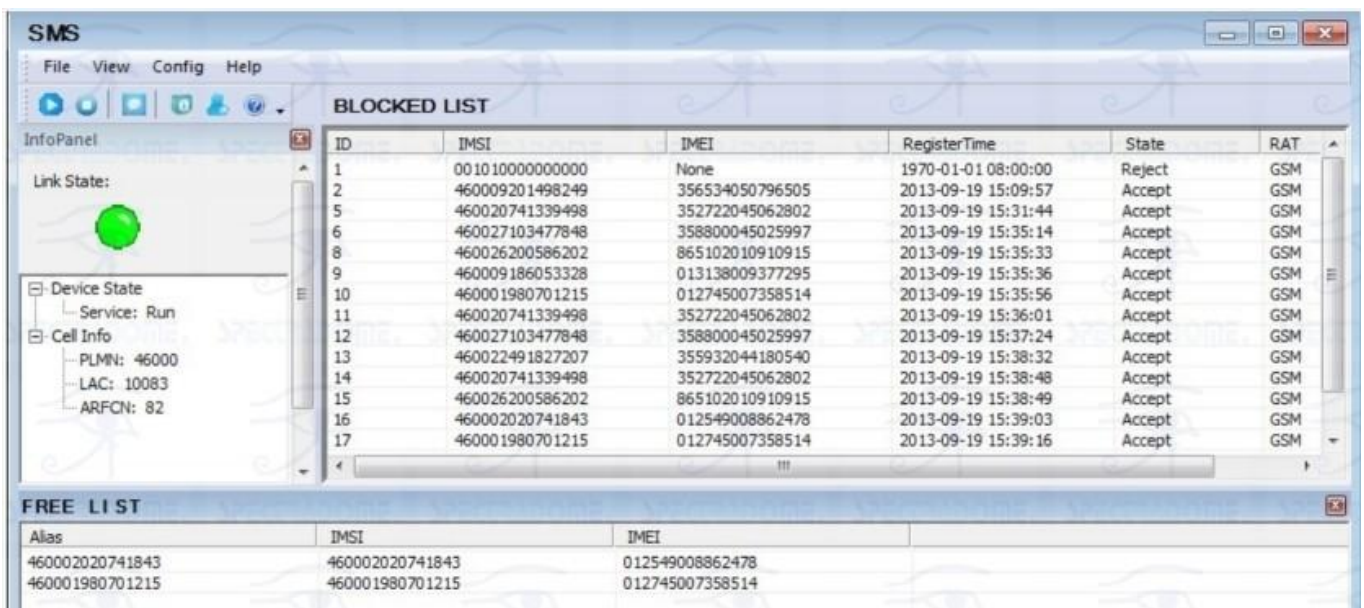
To increase portability and allow covert use in situations where a semi-portable system would be too obtrusive, a special Wi-Fi remote control option is available: with this option, a SWAT agent can wear only a few devices and operate the system inside a room whereas the main system is located in another room within Wi-Fi coverage reach.

System is available for operation on all GSM bands (850/900/1800/1900) and UMTS networks: one single system is needed to cover (selectively jam) each single band.

A power amplifier for extended jamming coverage and suitable antennas are included with the main system as well as one control laptop with dedicated software.

Wi-Fi remote control is available as an option.

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The screenshot shows the SMS software interface. The 'BLOCKED LIST' table contains the following data:

ID	IMSI	IMEI	RegisterTime	State	RAT
1	001010000000000	None	1970-01-01 08:00:00	Reject	GSM
2	460009201498249	356534050796505	2013-09-19 15:09:57	Accept	GSM
5	460020741339498	352722045062802	2013-09-19 15:31:44	Accept	GSM
6	460027103477848	358800045025997	2013-09-19 15:35:14	Accept	GSM
8	460026200586202	865102010910915	2013-09-19 15:35:33	Accept	GSM
9	460009186053328	013138009377295	2013-09-19 15:35:36	Accept	GSM
10	460001980701215	012745007358514	2013-09-19 15:35:56	Accept	GSM
11	460020741339498	352722045062802	2013-09-19 15:36:01	Accept	GSM
12	460027103477848	358800045025997	2013-09-19 15:37:24	Accept	GSM
13	460022491827207	355932044180540	2013-09-19 15:38:32	Accept	GSM
14	460020741339498	352722045062802	2013-09-19 15:38:48	Accept	GSM
15	460026200586202	865102010910915	2013-09-19 15:38:49	Accept	GSM
16	460002020741843	012549008862478	2013-09-19 15:39:03	Accept	GSM
17	460001980701215	012745007358514	2013-09-19 15:39:16	Accept	GSM

The 'FREE LIST' table contains the following data:

Alias	IMSI	IMEI
460002020741843	460002020741843	012549008862478
460001980701215	460001980701215	012745007358514



Detailed specifications and brochure available on request.

All information provided in this manual is strictly confidential to the designated recipient. Any equipment, parts and components described in this manual, as well as their sale are restricted to authorized law enforcement agencies ONLY!

SPECTRADOME G-CAR VEHICLE MOUNT DIRECTIONAL MICROPHONE SYSTEM

The directional microphone for patrol vehicles by SPECTRADOME is a truly unique product with no match on the worldwide market.

Specifically designed for vehicle installation, it allows directional listening up to 100ft/30mts away from your vehicle: it is just the perfect solution for everybody driving a patrol vehicle, from law enforcement to local surveillance and security service providers.

Thanks to its patented and exclusive assembly technology, our patrol vehicle microphone can be installed outside the vehicle withstanding weather agents and pan-and-tilt control installation is also compatible thanks to the included installation bracket.

At the time when this document is being printed range tests are still in progress and the maximum operating/listening range on a 45° listening front is not yet confirmed.

Two possible configurations are available: directional and directional + omni-directional (option).



PV33 "THE PROTECTOR" ALL -IN-ONE VEHICLE TRACKING, MONITORING AND SECURITY SYSTEM

PV33 "THE PROTECTOR" is the ultimate security device for the automotive industry. No matter if you are driving a luxury sports car or a delivery van, this incredible piece of equipment has got the hots for you anytime, anyway.

One single, compact system will allow you to:

- Secure and monitor valuables inside your vehicle;
- Protect yourself against car-jacking;
- Identify and take legal steps against weirdo drivers and road harassers;
- Avoid liability against reckless drivers;

- Efficiently protect your luxury vehicle from vandalism and theft;

- Bounce-off illegitimate tickets to the sender;

- Protect your car and passengers from assault, robbery and theft in your vehicle;

- Track your vehicle in real time all over the world;

- Efficiently monitor and record real-time audio and video both inside and outside car/vehicle cockpit;

- Keep a record of vehicle mileage for fleet management and/or security purposes.



DIFFERENT THAN AVERAGE

We can proudly state THE PROTECTOR is different than average and probably...a cut above.

The most advanced breakthrough of this product can be summarized in one word: integration. A powerful mobile audio and video monitoring tool has been successfully integrated with a latest-generation GPS/GSM tracking system, delivering unparalleled performance as a whole.

What makes THE PROTECTOR system truly unique, however, is a specifically-developed software suite: these applications come included with the purchase and have been designed to allow our customers to get the most out of the product in every possible situation. Extremely user-friendly and easy to use, the included software suite makes both online (remote polling via GSM/GPRS network) and offline (GPS logging and subsequent browsing) tracking as easy as pie.

SPECTRA G-SERIES PARABOLIC MICROPHONES

The Spectradome G-4 and G-50 parabolic microphones come from a steady R&D process which lasted four years and represent the results of our efforts: these parabolic microphones are second-best to no other similar product when it comes to performance, reliability and ease of use. Although the limitations imposed by the laws of physics will remain impassable, our microphones will push you close to the limit like never before.

Two different models, each one available in two different versions will perfectly suit and satisfy your remote-listening needs: they can be considered just the best value for your money.

Our long-distance, air-to-air audio listening instruments have allowed us to gather sharp evidence we are offering you probably the finest and most powerful devices in the world for professional remote audio surveillance as well as professional remote listening applications.



Detailed specifications and brochure available on request.

All information provided in this manual is strictly confidential to the designated recipient. Any equipment, parts and components described in this manual, as well as their sale are restricted to authorized law enforcement agencies ONLY!

VIP Stealth Bullet Proof Garments

The VIP Bulletproof garments are top-quality garments which have been designed and manufactured from a proprietary and extremely advanced technology which allows maximum protection in the best possible disguise.

All of our bulletproof garments are manufactured upon ordering which is the only way to guarantee our clients with truly brand new protecting clothing in its best possible shape and bulletproof performance, as no wearing, tearing or other signs of use which may arise from stocking or showcasing stock garments will ever be present.

A full line of garments from polo t-shirts to Italian leather jackets is available to satisfy even the most demanding clients.

Absolutely no thick bulletproof protection and no steel plates to wear: nobody will be able to tell the difference with an ordinary piece of clothing.

The full product line of our garments offers an unparalleled level of comfort and protection that is impossible to get with conventional bulletproof vests on the market today.

All garments offer IIIA level of protection according to NIJ standards and come available in the following sizes: S-M-L-XL.

Men's short or long-sleeved shirt

This model is light, soft and fresh, pretty ideal for warm climates. Featuring a modern and discreet design which guarantees functionality and comfort.



Under-clothes bulletproof t-shirt

Unisex sleeveless t-shirt to be worn under ordinary clothes of your choice. Specifically developed to allow maximum protection and maximum comfort: anatomical flex points are provided along with skin-breathable mesh and side protections.



Polo t-shirt

A casual essential which is a true classic.
100% cotton fabric.



Hi-Tech all-weather jacket

Multifunctional cloth made with hi-tech materials:
waterproof, lightweight, easy to adjust and comfortable
to wear. Patented perspiration mesh system applied in
arms, chest, back and interior.



Classic Jacket

This is a traditional cut style garment for the active
man on the go who values comfort and style.
Delivering a super soft feel as a result of different
textured materials, this is the perfect fit for a
casual business day or the week-end.



Puffer Vest

This is the perfect garment for the man who likes outdoor
activities. Waterproof-quilted vest with removable hood
and metallic studs: "Quaid" style neck and horizontal
back stitch.



Special Video and Audio Law Enforcement Equipment

Spy Equipment, Hi-Tech & Security

BRICK CAMERA

The brick camera is probably the most astounding of our special cameras for law enforcement applications, so no wonder we put it as the first camera in our selection.

Featuring a stunning 600TV lines resolution, this truly invisible camera is housed inside nothing less than... a real wall brick!

Specifically designed and conceived for long-term video monitoring assignments, this camera will allow law enforcement personnel:

- uninterrupted video monitoring for days or months
- utmost concealment
- crystal clear picture even in low-light conditions



600TV-LINES NECKTIE CAMERA

When after an undercover operation your law enforcement customer calls you on the phone to complain they got nothing but over-exposed images or dark shades, blame it on the cheap tricks they may have gotten from you ..or think ahead and provide them with our necktie camera.

Available both in BW and color, our 600TV-LINES necktie camera will not let your clients down just when they need the most out of their investments.

Stunning resolution and sensitivity for a true professional video instrument.



600TV LINES SUNGLASSES CAMERA

Same features as the necktie model but different appearance. B/W model delivers really clear images in every situation: please check the picture below and see for yourself...



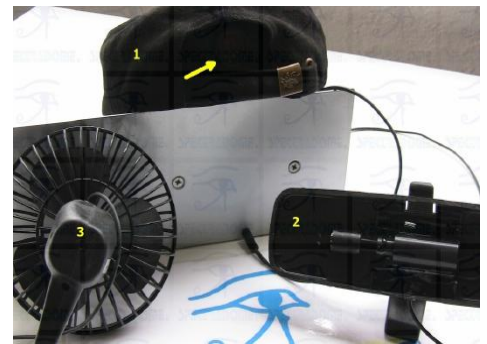
LONG-TERM MONITORING COVERT CAMERAS

The long-term monitoring covert cameras are three different models of cameras which have been developed by SPECTRADOME to support unobtrusive long-term video surveillance operations.

Placing high-resolution cameras in a vehicle is not an easy task, especially when you do it using cumbersome equipment which will eventually trigger some unwanted attention.

To avoid similar inconveniences, make yourself (and you whole operation) Comfortable and rely on our covert cameras for long-term video monitoring; three totally discreet models to use in a vehicle are available as follows:

1. cap (high-resolution 600TV lines, model with zoom, virtually invisible)
2. rearview mirror (high-resolution 600TV lines, virtually impossible to detect)
3. car fan (high-resolution 600 TV lines, virtually invisible).



COMPACT ZOOM CAMERA WITH MINIATURE REMOTE CONTROLLED PTZ SYSTEM

This is probably the smallest wireless PTZ zoom camera system with wireless remote control available on the market today. Extremely fast to deploy and surprisingly easy to use, just place it where it is needed when it is needed and all you have to do is to make the right cable connections, power it up, push a few buttons on the remote and you are ready to receive images.

The compact zoom camera has very remarkable performance.



RAPID-DEPLOYMENT PEEPHOLE SPY KIT WITH B/W 600TV-LINES CAMERA

Room observation and monitoring may sometimes just take place from next door...provided that you are equipped with a suitable system which can be ready in a matter of minutes. This is just what our rapid-deployment peephole spy kit offers: a truly innovative hi-end video monitoring system able to fit virtually any door type or size by just removing the existing lens and replacing it with one of those provided with the kit.

A full set of three different peephole lenses is included along with dedicated Power feeding, brackets/washers and connections for standard recording equipment: camera offers B/W images and astounding 600 TV-lines resolution.

This is really a must-have for every SWAT team.



ARCHOS-COMPATIBLE A/V MONITORING AND RECORDING SYSTEM

Very often, the need for a reliable, remote controlled body-worn A/V recording system does not fit the one for a readily available recording system: too often, decent priced consumer solutions cannot be used for law enforcement applications for compatibility issues. Until now. We have developed a miniature A/V recording system for body worn use which not only can be controlled at the push of a few buttons in your pocket, but is also completely compatible with ARCHOS compact audio and video recorders.



ENCRYPTED BUTTON AND SUNGLASSES

DVR CAMERA SYSTEM

If your undercover assignments need total confidentiality, then we have got the right product for you: our encrypted DVR camera system available in a complete kit configuration with both button, and sunglasses camera version.

Not only you will be using a system delivering a stunning 600tv-lines resolution with a convenient pocket-size digital video recorder, but also you will benefit from a dedicated palm-size remote control device and totally encrypted recording:

the video recorded on the DVR SD card can only be played back with a dedicated software after decryption.

This is a true professional set for law enforcement professionals.



INVISIBLE CAMOUFLAGED INFRARED ILLUMINATOR

Concealed into an ordinary radio speaker, the invisible camouflaged infrared illuminator is the ideal tool to use in all those covert surveillance situations where a miniature B/W pinhole camera is in place for low-light or night-time observation. This invisible IR illuminator operates on a very special frequency which does not produce “red glare” effect: with an operating range of 5 to 10 meters, it will allow our law enforcement miniature pinhole cameras to see in total darkness without being spotted.



WIRELESS ENCRYPTED 5.8Ghz AUDIO AND VIDEO TRANSMISSION SYSTEM

Sometimes, the need for a rapid-deployment system which also allows complete confidentiality of the audio and video data travelling over the air, is a must.

When that happens, get our wireless encrypted 5.8Ghz audio and video transmission system and you are ready to go. Featuring sleek design, stereo audio transmission, extremely high frequency for utmost clarity and lowest interference and a strong DES encryption algorithm, this complete system is compatible with all of our A/V monitoring and recording systems and devices.



TOTALLY WIRELESS AUTOMATED PROFESSIONAL AUDIO/VIDEO MONITORING/RECORDING SYSTEM WITH COVERT SENSOR OPTIONS

This is the totally wireless version of our wired automated professional audio/video monitoring and recording system. When there is no chance to drop wires, this is the right system to use. A wide variety of wireless sensors allow truly covert installation and total invisibility according to the situation of use, whereas a completely encrypted radio link delivers crystal-clear stereophonic audio and images to the professional SONY digital cassette video recorder which operates in a totally automated fashion, thanks to the wireless sensor control device. The most remarkable feature of this wireless automated system is certainly the opportunity to pair it with a number of different wireless sensors (IR or Radar) which can be tailored according to the final customer's requirements.



CARRIER CURRENT AUDIO AND VIDEO ROOM INTERCEPTION SYSTEM

Depending on the technical knowledge and skills of the crooks under investigation, conventional room interception systems may not be recommendable or fail completely.

In a similar situation, further limitations and difficulties arise if both audio and video monitoring must be attained without relying on conventional RF bugs, either analog or digital.

When a similar situation is to be dealt with, SPECTRADOME offers a truly professional room interception system which has been developed with all of the above sensitive issues in mind.

Special customizations are possible regarding the encrypted WI-FI radio bridge as in the below example where a WI-FI transmitter has been hidden into an ordinary mains power cable extensor or mains power lawn plugs.

These customizations allow to make the system suitable for virtually any operational situation.



WIRELESS VIDEO OBSERVER

The wireless Video Observer is the wireless version of our Video Observer control deck, allowing reception and display of a number of audio and video signal in the 1200Mhz and 2400Mhz frequency bands.

It allows full wireless A/V monitoring, recording (thanks to the embedded SD card slot), PTZ controlling, connection with external DVRs and monitors, and full management of one or more miniature audio and video monitoring systems in our selection. System is totally self-powered and self-contained and deploys in seconds.



Special Audio Monitoring Equipment

CARRIER CURRENT TRANSMITTER AND RECEIVER

The carrier current transmitter and receiver set is a professional bugging device to monitor audio in any premises via the existing mains power network.

Operation is extremely easy: it is sufficient to power up the transmitter by linking it to any mains power plug in the target room, then plug the receiver in any mains power plug which is under the same mains network or power plant; room audio is then delivered without the need to use RF bugs which are easier to detect by more experienced and advanced criminals. Deploys in a matter of seconds.



PROFESSIONAL STEREO STETHOSCOPE TRANSMITTER

If you are looking for a professional tool to listen through walls at the best possible level, look no further: the professional stereo stethoscope transmitter by SPECTRADOME is your most suitable device.

Featuring a double-pick up stereophonic stethoscope with an impressive frequency gain circuit, this little wonder is able to allow listening to voice conversations taking place in rooms surrounded by walls that are up to one meter thick. Independent volume/gain controls and signal meters, along with a dedicated digital sound processor complete the remarkable features of this truly amazing listening system.



PROGRAMMABLE GSM BUG TRANSMITTER WITH RADAR AND IR SENSOR

This is probably the most peculiar GSM bug transmitter in the world. Completely different than some other ordinary GSM bugs on the market, it has unprecedented features which have been conceived to enhance its virtually total undetectability. In fact, not only this transmitter can stay idle and activate itself only when someone enters the target room but it also embeds a special programmable timer unit which will turn itself on at given times in the week only. Apart from being extremely difficult to detect, the above features will also allow uninterrupted monitoring for months and without the need of mains power feeding source, thus making this device suitable for audio monitoring operations in harsh conditions.



SPECTRA LASER M+ (Sneaker) Active Laser microphone

The SPECTRA Sneaker through-the-wall active Laser audio surveillance system allows round-the-clock audio surveillance of any premises from a remarkable distance, without the need to enter or plant any device on the inside. Thanks to a special Laser transponder room audio is detected and converted to Laser signals then sent over the air (optical range) to the receiving optical system and decoding unit where it gets demodulated and recorded. A special equalizer and digital audio analyzer also allow the operator to always monitor essential audio parameters during interception.



SPECTRA LASER M type and M+ type new 2012 models

The SPECTRA LASER is a professional piece of equipment allowing the operator to carry out undetected surveillance from outside a building. It is able to pick up room audio from a distance without even entering the target room: by demodulating the transmitter IR laser beam bouncing from the target window, this equipment can receive and subsequently convert into electronic signals the slight window pane vibrations caused by acoustic waves in the room (voice speech).



QUEST – RADIO-CONTROLLED SURVEILLANCE DRONE

The Quest is a radio-controlled surveillance drone which is easy to setup and ready to fly in a matter of minutes: this surveillance UAV is the ideal tool to use in situations where short-medium range recognition is required from the sky. Night time operation is possible thanks to a special illumination system which makes its position distinguishable from the ground even in total darkness. Also available with automated "follow-me" turret for extending flight distance to a few miles/kilometers.



QUEST-GPS SURVEILLANCE UAV WITH GPS AUTO PILOT

The Quest GPS is a surveillance UAV drone featuring both radio-controlled and GPS-controlled flight modes: depending on user's choice, it can fly under RF remote control supervision or autonomously thanks to an embedded and programmable GPS-based navigation system. Auto take-off and landing as well as waypoint hovering are all included features. Night time operation is also possible in full "stealth" mode, thanks to the automated GPS flight mode and a special Laser illumination system with interchangeable camera which allows vision from ground control monitor up to 30-40 yards/meters away in total darkness.



SCARAB – NIGHT FLIGHT UAV SURVEILLANCE DRONE

The Scarab is a radio-controlled surveillance drone which is easy to setup and ready to fly in a matter of minutes: this surveillance UAV is the ideal tool to use in situations where short-medium range recognition is required from the sky even at night time.

Compact dimensions (23.44" - 60 cm in diameter with arms unfolded) makes it a perfect tool for tactical operations.



PROFESSIONAL SPY DRONE

The Air Spider surveillance UAV is our most advanced drone for discreet surveillance applications. Complete system includes a ground control station which is fully portable and installable virtually anywhere (optionally even inside vehicles), along with its dedicated array of hi-gain directional antennas.

The Air Spider UAV constantly exchanges information with the ground control station, by means of a dedicated and encrypted data link which allows ground operators to monitor all the telemetry and flight plan information.



UAV and DRONES ADDITIONAL MODELS

- High-fly altitude turbine engine version.
- Electrical or engine version.
- Fully automated flight version, able to fly according to mission plan.
- Remote-interceptor version (equipped with a special cannon able to shoot a special sticky transmitter to high-rise building windows in order to allow remote interception without entering premises).
- Revolving tail version (able to automatically follow a tracking transmitter on a vehicle from the sky).



TERRESTRIAL INSPECTION AND SURVEILLANCE DRONE



The SPECTRADOME's terrestrial inspection and surveillance drone is a RC robot which can be used to accomplish surveillance and inspection tasks in dangerous situations, where human intervention is not recommendable.

System has been specifically designed for being able to travel on virtually any ground and is actually able to autonomously climb stairs or climb over objects as tall as the robot is long. A special tiltable camera allows thorough car/van/truck inspection from underneath the vehicle, whereas the optionally available robotic arm carries out specific tasks ranging from object removal to GPS tracker installation.

The fully electrical power supply system allows very discreet and silent operation and a special set of hi-performance rechargeable batteries is included with a unique battery charging system. Optional robotic arm and extended RF coverage systems are optionally available, as well as a complete list of features as follows:

Robot Features

- enclosed treaded robot chassis with new integrated flush camera tilt system in the nose of the robot
- patented flipper arm/stabilizer arm which can be used to climb over objects as tall as the robot is long. Robot arm can be used as a wheelie bar from climbing up stairs, etc.
- compact design with all components carefully placed for optimum spacing and most effective operation
- two (2) planetary IG52-04 285RPM 24VDC gear motors - one each side
- one 22.2VDC 10Ahr Li-Ion drive battery. Operating time ~2.5 to ~8 hours depending on use
- 11.1VDC 5Ahr Li-Ion video power battery. Operating time 7-10 hours
- customized dual-drive motor controller specifically designed for this robot

- customized flipper arm motor controller specifically designed for this robot
- fuse blocks, terminal blocks, charging ports, switch, etc. are all integrated into design
- integrated nylon carrying strap on the rear of the robot
- high-resistance aluminum chassis with entire body coated in black
- total weight of fully assembled robot: ~40lbs/18Kgs
- total height (floor to top of treads or camera housing): ~7"/17cm, total width: ~16.25"/41 cm, total
- length: ~26"/65cm
- 7" composite rubber and UHMW cogged wheels that match a positive traction aggressive and all terrain tread
- ground clearance: ~2"/5cm
- speed: 0 to 5 feet per second/1,5 meters per second (adjustable)

STEALTH ROOM SCANNER

The SPECTRADOME stealth room scanner is a totally new, hi-tech system to perform undetected room scanning surveillance from outside a room or building.

It is sometimes absolutely necessary for the SWAT team or law enforcement personnel to clearly assess the situation which is going on inside a room in terms of how many crooks are involved.



MONT-BLANC TYPE PEN BUG TRANSMITTER

When a hi-profile investigation is on the table, your law enforcement agency cannot afford the risk to rely on commercially-available and therefore already-seen RF transmitter.

To help those law enforcement agents who are seriously considering all the risks deriving from public disclosure of standard audio monitoring tools and their specifications, SPECTRADOME offers a unique device: a totally customized MONT-BLANC type RF bug.

Delivers crystal-clear audio, three channels available, operates on 400Mhz FM-N frequency band and modulation. Receiver comes with



SPECIAL RF EQUIPMENT - TACTICAL DETECTION KIT

The special tactical detection kit is a complete set whose purpose is to allow VIP or law enforcement personnel to set up an invisible perimeter or area of protection which will trigger a silent alarm to a dedicated encrypted receiver when breached.

This can be considered as a special security trap to surreptitiously inform personnel regarding the unauthorized entering of specific sensitive areas. Any person entering the monitored premises, you will be the first to know. Operating range is up to several kilometers in open space.



CRYPTO MOBILE TRANSCEIVER SYSTEM

This is a crypto mobile transceiver system for radio communications up to a 32mi/50Km distance (depending on antenna type used and I.o.s. type and number of obstacles).

System consists of two modified YAESU FT350R VHF/UHF dual band transceivers for vehicle use and installation, each one with an embedded SPECTRADOME AIRCRYPT digital radio crypto system: simplex conversations over the air are digitally encrypted by a proprietary coding system and algorithm which makes it impossible to eavesdrop or decode the conversation between the two units on the air.



SUPER LONG RANGE CRYPTO RTX SYSTEM

This is an encrypted radio transceiver system for super long distance confidential radio communications (up to thousands miles/kilometers away). System consists of two modified KENWOOD TS2000 HF/VHF/UHF multi-band transceivers for either vehicle or stationary use and installation, each one with an embedded SPECTRADOME AIRCRYPT digital radio crypto system: simplex conversations over the air are digitally encrypted by a proprietary coding system and algorithm which makes it impossible to eavesdrop or decode the conversation between the two units on the air.



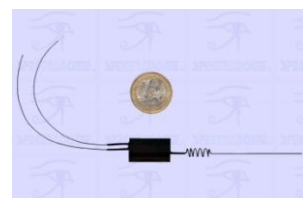
ULTRA-MINIATURE BUG

The ultra miniature bug is a professional analog transmitter which is designed for truly covert audio surveillance. These transmitters are so tiny that they can be concealed in various interior items, such as table watches, telephones, calculators, pieces of wood, cardboard, etc.



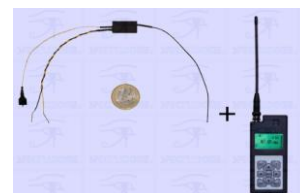
ULTRA-MINIATURE TELEPHONE BUG

The ultra-miniature telephone bug is a professional bug transmitter which is extremely tiny in dimensions for installation on PSTN landlines (series connection). Self-powered by the telephone line, it operates in the UHF frequency band with a crystal-controlled frequency oscillator and unlimited operating time.



ULTRA-MINIATURE DIGITAL BUG KIT

The MINIBUG-D digital miniature bug can certainly be defined as the smallest digital miniature bug on the market today! measuring just 0.8"x0.4"x0.1" - 21x11x4mm



DIGITAL SUPER BUG

The digital superbug consists of a full digital bug transmitter and receiver kit as follows:

- one OCTOPUS-D bug transmitter
- a series of accessories for use with the bug transmitter



HIGH-POWER DIGITAL BUG

The high-power digital bug has been specifically developed to serve covert audio surveillance needs where hostile operating conditions may arise.



BODY-WORN DIGITAL BUG

The body-worn digital bug is a mid-power bug transmitter conceived for installation on people.

Its peculiar shape, along with the digital RF transmission and the higher RF power make this bug transmitter the ideal tool for covert audio surveillance under strong RF signal interference or the presence of walls or other solid obstacles.



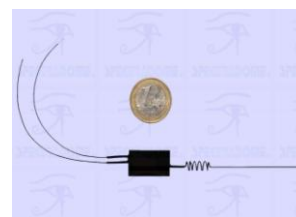
BELT-HIDDEN RC DIGITAL BUG

The belt-hidden RC digital bug is a professional undercover room audio monitoring system for body-worn installation. Completely self-contained inside an ordinary-looking leather waist belt, this bug transmitter sends out fully digital RF transmission, therefore, it cannot be intercepted by random listeners in any way.



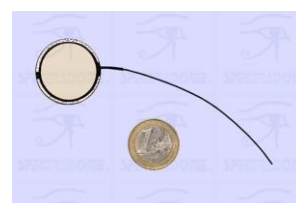
MINIATURE LANDLINE DIGITAL BUG

The ultra-miniature telephone bug is a professional digital bug transmitter which is extremely tiny in dimensions for installation on PSTN landlines (series connection).



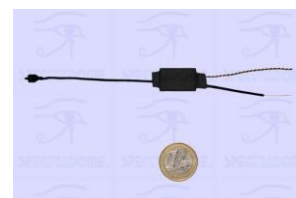
EMP BUG TRANSMITTER

The EMP bug transmitter is a top-notch professional room audio bug emitting a special kind of RF wave that goes undetected under the majority of field analyzers or radio frequency detectors.



VERSATILE PULSED TRANSMITTER

The versatile pulsed bug transmitter is a top-notch professional room audio bug emitting a special kind of RF wave that goes undetected under the majority of field analyzers or radio frequency detectors.



PULSED BUG REPEATER

The pulsed bug repeater is compatible for use with all of our GHOST series pulsed bug transmitters: it extends the operating range of those. Thanks to a time division channeling transmission, when used along with a pulsed transmitter, the repeater operation makes the pulsed bug transmission even stealthier, at the same time greatly extending its coverage.



CARRIER CURRENT SUPER BUG

This advanced room audio monitoring system uses VLF waves from The 110/220VAC mains power network to send room audio to a remote listening post. Truly professional listening system, it consists of one (or two, according to version) carrier current bug(s) that connects in parallel to the mains power network and one special decoder/receiver which also allows up to 48 hours of continuous recording thanks to its embedded FLASH memory.



SUPER WALL CONTACT MICROPHONE

The super wall contact microphone really means what its name says: thanks to its particular assembly and to the included special stereophonic acoustic sensors, it allows crystal-clear audio eavesdropping (full frequency range from 200 to 15000Hz) on many different building construction elements, such as walls, windows, frames, air vents, etc.



FLEXIBLE DIGITAL VOICE RECORDER

The flexible digital voice recorder is a real breakthrough in terms of room audio monitoring and recording. Specifically design to record hi-quality voice conversations, despite its truly miniature dimensions it easily fits the palm of your hand and is only 1/10"-2,5mm thick.



BUG DETECTOR WITH IMMEDIATE JAMMING

The bug detector with immediate jamming is a professional device which has been specifically developed to detect and disrupt unauthorized RF eavesdropping on business meetings.



SUPER LONG RANGE RFID SYSTEM

The SPECTRADOME CARFID-SLR completely redefines RFID concept for professional applications as it has been known until today. As a matter of fact, one of the most remarkable disadvantages of RFID has always been its range: no more than a few meters which can definitely be suitable for gate entrance identification or shoplifting countermeasures, however making the use of this system practically impossible for remote-site operations where personnel or vehicles are involved.



RADIO DIRECTION FINDER SYSTEM WITH GPS

The radio direction finder system with GPS is a truly advanced radio frequency tracking system which allows tailing a vehicle in a totally different fashion from the conventional GPS tracking systems. By avoiding the use of any cellular network, system is able to detect a given radio frequency signal showing its bearing and position on a GPS map, just install the provided tracking transmitter on the target vehicle and turn system on.



RANSOM MONEY GPS TRACKING SYSTEM

The SPECTRADOME's ransom money GPS tracking system is a revolutionary GPS/GSM tracking system to hide inside ransom money banknote bricks in order to track the crooks down to their hideouts.



M.A.B.T. Bugs (MINIATURE ANALOG BUG TRANSMITTER)

The MABT bug transmitters are a cheap, yet professional alternative to our super hi-tech and fairly expensive digital and analog bug transmitter series.



VHF bug with 8-month operating time

The special design and make along with a particular battery type allow this VHF bug is to operate for more than a whopping 8 months continuously.



Room bug hidden inside AC multiple socket

Perfectly hidden inside an ordinary-looking (and working) AC multiple socket, this room bug is the perfect tool for discreet extended audio monitoring of premises.



Room bug with VOX system

This is a professional room bug transmitter equipped with a VOX system that will enable UHF transmission only when voice is actually detected inside the monitored room.



Room Bug hidden inside CD Case

Perfect tool for discreet extended audio monitoring of premises.



Room Bug hidden inside a pack of cigarette

Perfect tool for discreet extended audio monitoring of premises.



INTERCEPTOR VEHICLES

This is a fully disguised van equipped with everything needed to support law enforcement investigations and local/long range audio and video monitoring of suspects. No suspicious device (such as cameras or antennas) is visible from outside while the whole investigation can be carried out from the inside control desk in full real time no matter if it is GPS, audio or video. Remote monitoring and data exchange with our main control server is possible directly from inside the van for all of our audio/video/GPS monitoring devices regardless of the actual location of these.

- Different configurations of the systems are possible as follows:
- Fully covert external cameras for perimeter monitoring and protection of the van.
- Fully covert external cameras with PTZ control for long range (up to 1000yds) video monitoring.
- PTZ controller with joystick.
- AOR wide band receiver for wireless audio bug reception.
- Wide-band video receiver for wireless video bug reception.
- Wireless repeater for VHF and UHF bug operating range extension.
- Motion-detection enabled 16CH professional DVR.
- CD or DVD burner for immediate back-up of most urgent recordings.
- Electrical system for antenna management and positioning.
- GPS tracking client PC for remote management of our GPS tracking devices.
- AC power feeding for additional equipment (up to 24hrs of continuous operating time).
- Remote access and management of all the audio/video/GPS data harvested from bug devices.



Upon requirement our INTERCEPTOR VEHICLES can also be equipped with a fully passive GSM/cell phone interception system with customer-specified channel configuration. The GSM/ cell phone interceptor does not require cell phone carrier cooperation to perform target monitoring and interception of the following information:

- Incoming/outgoing telephone numbers.
- Voice call content (both sides of a conversation).
- Text messages (SMS).
- TMSI.
- IMSI.



NIGHT VISION MINIATURE CAMERA

This is a revolutionary miniature color camera which also allows to see in the dark without using an infrared illuminator, thus proving actually invisible.



ANTI-DETECTOR CAMERA

The revolutionary anti-detector camera is a truly unique device for actually covert video surveillance.



750 TV LINES MINIATURE COLOR CAMERA

This miniature color camera features an extremely high resolution (750 TV lines) which makes it suitable for use when covert surveillance along with hi-quality video recording is required.



550 TV LINES ULTRA MINIATURE BW CAMERA

This miniature BW hi-resolution camera (550 TV lines) is a versatile covert video surveillance tool



COMPUTER-ASSISTED WI-FI ROOM MONITORING SYSTEM HIDDEN IN PIR SENSOR

The computer-assisted alarm clock remote monitoring system is a professional tool for covert audio and video recording and monitoring.

Made in Switzerland, this hi-end system comes equipped with countless features, yet being relatively simple to use and manage.



LEECH – COMPUTER-ASSISTED ROOM AUDIO INTERCEPTOR

The LEECH system consists of a small bug which is to be installed inside the target premises to monitor: when powered by its internal rechargeable battery, the LEECH will operate for about 5 days in stand-by mode, capturing any speech by voice detection or during specified time lapses.



COVERT DIGITAL/ENCRYPTED RF AUDIO & VIDEO MONITORING SYSTEM

The Spectradome's covert digital audio and video monitoring system is a versatile system that can be used for a number of different video surveillance tasks, such as: covert remote monitoring of premises, body-worn covert surveillance, covert text reading, etc. Video and audio data transmission is encrypted.



CARRIER CURRENT AUDIO AND VIDEO MONITORING SYSTEM

Our carrier current audio and video monitoring system is designed to allow law enforcement personnel a fast-deployment tool which is also a reliable method to receive 24/7 audio and video from inside target premises without relying on radio frequency at all.



BEAMER C DISGUISED ACTIVE LASER MICROPHONE

The SPECTRA Beamer C is an active Laser microphone which requires you to plant a disguised Laser transponder on the inside of the target premises.



DAETECH SYSTEMS (UK) Ltd



RUGGED AND MOBILE

The MIDAS DB3 provides military, law enforcement and other government agencies the capability to retrieve data, video and still imagery in the field. Capable of interfacing with any video or image gathering system.

The MIDAS DB3 enables users to data mine the retrieved intelligence and/or evidence, using the latest clarification, analyzing and processing tools



DAETECH SYSTEMS (UK) Ltd

Video and Image Retrieval



Capture full frame uncompressed analog and digital video, imagery and CCTV, directly from source into the MIDAS.

DAETECH SYSTEMS (UK) Ltd

Data Retrieval, Recovery and Copying



Retrieve from various sources, formats and connections.

DAETECH SYSTEMS (UK) Ltd

CCTV AND CRIME SCENE



MILITARY INTELLIGENCE



SURVEILLANCE



AIRBOURNE SURVEILLANCE



ON BOARD VEHICLE VIDEO



BODY WORN VIDEO



MIDAS DB

MOBILE IMAGE & DATA ACQUISITION SYSTEM



Xtreme Multi-GPU Image Processing and Evidence Recovery

WITH OPTIONAL
MOBILE PHONE FORENSICS
AUDIO FORENSIC ANALYSIS
HARD DRIVE ANALYSIS



*ENGINEERED TO MEET THE 24/7 CHALLENGES
OF STATE SECURITY AND COUNTER TERRORISM*



MIDAS_{micro}

The Video & Digital Evidence Recovery tool

Built for Front Line Policing

Clone, Copy . . .



www.daetechsystems.com

The Gold Standard in Forensic Recovery



Uncompressed Composite capture
Uncompressed RGB capture
Uncompressed HD capture

Up/Down scale from 2048x2048
Capture results to uncompressed file

Forensic Clone, Copy and browse HDD
Forensic write protection for master
DOD 7 pass secure erase
Copy HPA and DCO sections of drive

The new MIDAS Micro is a versatile portable forensic recovery unit

Connect the MIDAS Micro to a compatible laptop via the high speed USB 3

INTEGRATED COGNITECH VIDEO ACTIVE



. . . Capture & Convert

The MIDAS Micro (MM1) comes bundled with Daetech's DCCTV & Control suite software, a user friendly and simplified package enabling front line officers to easily and effectively control all the functions from a Windows based compatible laptop*.

Daetech's DCCTV & Control Suite includes:-

Integrated DCCTV Player management with customisable buttons and search function

Integrated control for MM1 hardware functions

Integrated ROI Video Screen Capture to uncompressed AVI

Integrated ROI Still Screen Capture to industry standard file formats

Integrated MM1 Video capture utility supporting SD and HD input and uncompressed recording

Drag and Drop User Defined Evidence Bin



* Midas Micro requires a compatible laptop with USB 3 and a minimum of 7200rpm HDD



MIDAS_{micro}

Technical Specifications



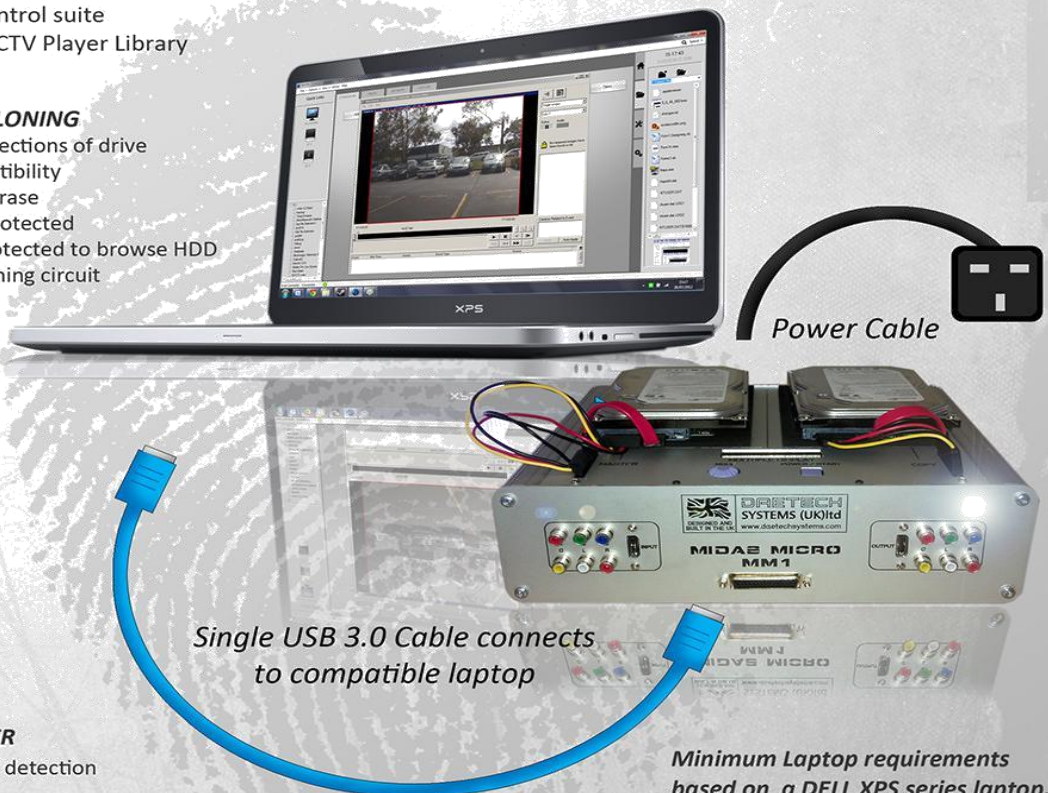
www.daetechsystems.com

MM1 SOFTWARE & UTILITIES

Includes all required drivers
Daetechs Digital CCTV Management software
Daetechs MM1 control suite
Daetechs Digital CCTV Player Library

MM1 FORENSIC CLONING

Copy HPA and DCo sections of drive
2.5" and 3.5" compatibility
DOD 7 pass secure erase
Master port write protected
USB mode, write protected to browse HDD
Hardware based cloning circuit
Sata or IDE



Single USB 3.0 Cable connects to compatible laptop

MM1 VIDEO SCALER

Automatic resolution detection
VGA loop through
Computer resolutions upto 2048X2048
HDTV resolutions upto 1080p
NTSC/ PAL output
Composite or S-vidoe output
MM1 software control through Daetech DCCTV & Control suite
Variable Image zoom to 10X with 10% shrink

Minimum Laptop requirements based on a DELL XPS series laptop.

MM1 VIDEO CONNECTIONS

Composite In/Out
Component In/Out
HDMI In/Out

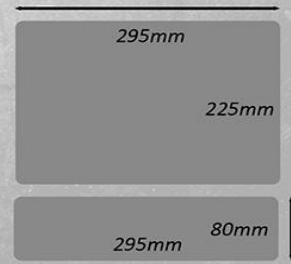
MM1 AUDIO CONNECTIONS

2 Channel RCA 24bit Hifi
8 channel HDMI

MM1 FORMATS

SD - PAL/NTSC
HD - 1080i 50, 1080i 59.94, 1080i 60, 1080p23.98
1080p 24, 1080p 25, 1080p 29.97, 1080p 30
720p 50, 720p 59.94, 720p 60

Dimensions



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Fax: +44 (0) 161 799 9837

sales@daetechsystems.com



CAPABILITY AT YOUR FINGER TIPS



MIDAS JUST GOT BETTER

The ultimate Image, Video and Data recovery solution
in a single rugged aluminium case.

A bespoke system designed around international operational policing requirements for best evidence.

The MIDAS DB-X allows on-scene recovery from analogue and digital CCTV sources. The addition of Cognitech's integrated Tri-suite 2011 allowing immediate forensic analysis including the worlds only automatic photogrammetry software package.

The unique combination of the latest hardware and software makes the MIDAS DB-X the only fully loaded system of its kind globally.

True Portability

Until now numerous connections and recording formats have been the main obstacle in the recovery of CCTV evidence.

Recovery of video evidence into a viewable format was time consuming and laborious..

With the MIDAS DB-X your evidence can be recovered and analysed in no time at all whilst ensuring forensically sound procedures and capture.



**FORGET LAPTOPS AND MULTI-KITBAGS,
MEET THE MIDAS DB XTREME**

The Ultimate Body-Worn Surveillance Solutions



Wireless CCTV's new 3G body-worn solutions have been developed in order to satisfy the growing demand for body-worn surveillance equipment whether that equipment is covert or overt.

The 3G body-worn solutions strongly improve security for agents in the field and allow supervisors to coordinate tactical operations involving multiple agents, while reducing the need for paperwork. Wireless CCTV has developed a range of overt solutions such as the Camera Vest and Belt options.

The WCCTV 3G *Covert Backpack* is ideal for agents who need evidential quality recording of suspects on the move. The backpack houses all of Wireless CCTV's body-worn technology in a covert package.

The central unit of the body-worn equipment uses a robust Compact Flash card for digital, evidential quality recording of agents' video and audio footage. Using 3G mobile phone technology, images and sound can be remotely monitored by a supervisor, who can evaluate the situation in real-time and dispatch assistance or advise the agent on possible courses of action.

Wireless CCTV has also integrated an optional GPS receiver which tracks and maps the exact location of agents in the field. The precise position of multiple agents, combined with their respective live video and audio feeds, allows supervisors to assess a situation in real-time and make decisions accordingly.

A Panic Alarm button allows agents to notify the supervisor that they need immediate assistance. At the end of an operation, data can easily be backed up for evidential purposes, reducing the need for paperwork

Method of transmission:

Wireless CCTV utilizes its expertise in telecoms and CCTV to provide state of the art products and systems which are capable of operating over remote transmission media.

Every WCCTV product contains 3G technology allowing the transmission of fluid, high-resolution images and bidirectional audio, wirelessly without geographical restrictions. This makes WCCTV equipment ideal for mobile and covert operations. Automatic fall-back to GPRS guarantees virtually unrestricted geographical cover-age.

3G Camera Vest Option



GPS Receiver

- SiRF Star II/LP high performance and low power consumption chipset
- 12 channel receiver

Central Unit for recording and 3G connectivity

- Records evidential quality video and audio
- Sends Panic Alarm signal to control room
- GPS coordinates are sent to control room for mapping the agent's position
- Video and audio can be monitored remotely at all times

Panic Alarm Button

This button triggers a remote signal in the control room asking for immediate assistance

Mini Camera

- B/W
- Image sensor 1/3" Sony B/W CCD
- Minimum illumination 0.001 Lux
- Resolution 600 TV LINES
- Number of effective pixels: 712*582 (PAL)
- Lens 3.7mm / F2

OR

- Colour
- Minimum illumination 0.2 Lux
- Resolution 480 TV LINES
- Lens 3.7mm

Microphone

- Miniature microphone: only 0.2g
- Sensitivity: -44dB
- Signal to Noise Ratio: 55dB

Battery Pack

- 4Ah @ 12V DC Ni-mH rechargeable battery
- Approximately 4hours battery life at average usage

WCCTV Record Only 3G Body-Worn

WCCTV introduces its record only Body-Worn camera, which can be used to record video, audio or capture still photographs for evidential purposes, whether it be day or night. This exciting new addition to the product range ensures that the evidence is date and time stamped and can also be effortlessly downloaded as AVI video's or JPEG images from the secure internal memory, for easy viewing on standard systems.

Features:

- Easy to Operate – One button start/stop record.
- Compact and Lightweight.
- Easily and Securely Fastens Almost Anywhere.
- High Quality Video – H.264 codec – Full VGA (640 x 480) 30 frames per second.
- 2MP Still Photos – Holds 1000 images.
- Time and Date Stamp with Both Video and Pictures.
- Optional micro SD Cards – Add memory or utilize recording redundancy.
- Up to 30 Seconds Pre-Event Record – Capture the action before activating record.
- Day or Night time operation – Auto IR illumination.
- Instant ON/OFF with Standby Mode.
- Covert Mode – Vibrating notifications.
- Easy Download – USB port or optional micro SD card.
- Remembers Previous User Logged In.
- Software Upgradeable.



Includes:

- Wide Angle, Built-In Color Camera.
- Integrated 2.2" Color LCD Monitor .
- Simple Playback.
- Optional Earpiece.
- Mark Button – Quickly return to important events.
- Built-In Mic plus External Audio Input.
- Record to Solid State Memory - Impact & vibration resistant.
- Secure Internal 16 GB Memory Chip to ensure chain of custody.
- Rechargeable Built-In Battery Pack – 4-12 hours of operation.
- IP55 Weather Resistant Body.
- Video Manager II Back Office Software included for reporting, media storage and archiving.



Bullet Resistant Glass

Polycarbonate combined

▼ The test sample after hit



PC+Acrylic+PC

▼ The test sample after hit



- Easy to fix.
- Custom-made is available.
- Vibration-resisting, wind-resisting and hitting-resisting.
- Conformed to NIJ-0108.01 standard



SSG, Finland: Special Security Training



SSG, Finland specializes in Protection, Surveillance and Security Training Services.

SSG, Finland Professional Security team is trained to provide the highest level of security anywhere in the world as in high risk environments.

SSG, Finland also provides training programs for Security, Military, Law Enforcement and Civilians.

ACCREDITED INVESTIGATION TRAINING PROGRAM FOR POLICE & FIA

ASSI International Pty Ltd is a fully accredited and Government Registered Training Organization based in Australia. We are currently one of the largest providers of Security and Investigations Training and our courses are recognized around the world.

We are a preferred Investigations trainer for many of the largest Middle Eastern oil and gas companies including Aramco, Petro Rabigh, Sabic, Sharq Majan and Shell Iraq. We have over 25 years experience working with and training security and emergency response teams at all levels from guards to senior managers

We have been very successful in the delivery of security and investigations related courses due to the fact that we keep our training simple and concentrate on core work practices rather than complex theoretical learning. We instruct people in how to do their job through problem-based learning, which has been adopted by many overseas Police agencies.

The CPP30607 Certificate III in Investigation Practices is a fully accredited training course and is the industry standard for all professional investigators.

This training course requires 160 hrs of blended learning, which can be delivered as a combination of theoretical, practical, and recognition of current competency or Recognition of prior learning.

PROPOSED TRAINING SCHEDULE

The CPP30607 Certificate III in Investigative Services training courses is delivered as 15 units of competency and these are mandatory. The units are as follows:

1. BSBWOR301A Organize Personal Work Priorities and Development
2. BSBFLM303C Contribute to effective workplace relationships
3. CPPSEC3026A Work Effectively in the Investigations Industry
4. CPPSEC3029A Provide quality investigative services to clients
5. CPPSEC3001A Maintain a safe workplace and environment
6. CPPSEC3027A Develop an Investigation Plan
7. CPPSEC3032A Gather information by factual investigation
8. CPPSEC3033A Conduct interviews and take statements
9. CPPSEC3034A Operate information gathering equipment
10. CPPSEC3012A Store and protect information
11. CPPSEC3028A Compile investigation report
12. FNSMERC304B Intelligence Gathering/Locate Persons
13. CPPSEC3030 Conduct surveillance
14. CPPSEC3031A Operate a Surveillance Vehicle

15. CPPSEC3009A Prepare and present evidence in court

The CPP30607 Certificate III in Investigations is a highly desirable investigations course, nationally and internationally and creates a pathway for further development in the security and investigations industry. Whilst the number of hours may seem extensive, it is a requirement by government training regulators to ensure that the highest level of training is maintained.

Registrations:

- In 2003 M/s **SGE** got registered with DGDP, Ministry of Defense, Government of Pakistan and Lahore Chamber of Commerce and Industries (LCCI).
- In 2004, the company got registered with Fauji Foundation, a trust created for the Ex-servicemen of Pakistan Armed Forces and with Ministry of Health, Pakistan.
- In 2005, the company got registered with Pakistan International Airlines and Pakistan Broadcasting Corporation.
- In 2006, **SGE** was enlisted as a registered supplier of United Nations and Pakistan Rangers.
- In 2007, the company got registered with Central Ordnance Depot, Pakistan Ordnance Factories and Ministry of Health.
- In 2008, the company got registered with National Radio & Tele Communication (NRTC), Punjab Police and Civil Aviation Authority.
- In 2009, the company got registered with Central Aviation Spares Depot (EME) for the supply of Aviation stores.
- In 2010, **SGE** got registered with Ministry of SAFRON, Islamabad.
- In 2011, **SGE** established a wing for the import of Hollywood movies.
- In 2012, the company got registered with NESCOM.
- In 2013, the company got registered with UET, Faisalabad and won a contract worth Rs. 45 million.
- In 2014, **SGE** got registered with Excise & Taxation, Punjab and participated in a tender worth Rs.220 million.

Future Potentials:

SGE in a very short time has been successful in obtaining prestigious accounts like Pakistan Defense Forces, Pakistan International Airlines, Civil Aviation Authority, National Radio & Telecommunication Corporation etc.

As a registered company in category 'A' with Directorate General Defense Purchase, Ministry of Defence Production, Pakistan Rangers, POF, Punjab Police NRTC and Fauji Foundation is presently executing a number of orders in this field.

A short list of Customers:

1. Ministry of Defence Production (Army, Navy & Air Force).
2. Pakistan International Airline.
3. Civil Aviation Authority.
4. Frontier Constabulary.
5. Pakistan Police.
6. Fauji Foundation.
7. Pakistan Rangers.
8. NESCOM.
9. University of Engineering Technology.
10. N.R.T.C.
11. Pakistan Ordnance Factories.
12. SUPARCO.
13. Pakistan Atomic Energy Commission.
14. OGDCL, Islamabad.
15. Anti Narcotics Force.
16. Prime Minister Security.

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