

INTELLIGENCE & COUNTER MEASURES



**World Leader in Supplying Intelligence
Equipment and Training
2008**



Established in 1990, our company specializes in the sales and distribution of defense systems and equipment to militaries and police forces around the world. We represent some of the most respected and well-established companies in the global defense and security industry.

Our staff members have extensive military backgrounds and have held many commands.

Our Company is a **ONE STOP SHOP** focused on meeting our clients' needs by providing a full-package deal:

- **Intelligence & Counter Measures:** Supplying various equipment, products and training for intelligence & Counter measures, from interception, tracking, observations, tapping and different electronics in the field
- **Riot Control:** Supplying full range of products from gear for the riot-control officer to specially items for entire units.
- **Ground Forces:** Supplying full-package to meet the needs of ground forces, from personal gear for the soldier to equipment and platforms for the platoon and unit.
- **Counter & Anti-Terror/SWAT:** Supplying the most advanced Counter and Anti-Terror gear and training to SWAT teams worldwide.
- **K9 – Dogs:** Supplying trained attack, explosive and charge detection, drug detection, search and rescue dogs as well as training and gear.
- **Homeland Security:** Providing training, consulting and gear to protect maritime ports, airports, train stations, military bases, prisons and compounds.
- **NBC:** Supplying rings of exposure and identification devices for NBC as well as cleaning and treatment protection devices for dealing with dangerous materials.
- **Ballistics:** Manufacturing and supplying ballistic plates, body armour, ballistic helmets, armoured vehicles, special armoring and armoured gear complying with the highest international standards.
- **EOD & IED:** Supplying full package gear from the ballistic protection (Suit, Helmet, Boots) to the professional equipment: EOD, Mine Clearing and Breaching





Advanced Global Training

Provides consulting services and specialized security training for teams deployed in high-risk environments.

Advanced risk assessments provide practical solutions to even the most complicated security situations.

Operating within a global sphere, **AGT** establishes new training sites according to client demand, wherever and whenever needed.

Our dedicated in country training models are designed to remain flexible, in accordance with the operational timetables of your organization.

Our expertise covers all aspects of:

- Personal Protection
- Risk Assessment
- NBC Preparedness
- Contingency Planning
- Corporate Security, High-Risk Security and Specialist Training
- Airport & Sea Port Security

Specialized Training

Security teams deployed in any high-risk security environment require specialized training dedicated to a variety of unique challenges. We provide site-specific training to meet these existing and evolving challenges.

AGT's special training distinguishes itself by emphasizing both tactical and soft skills. Each course's curriculum is specifically designed to meet the exclusive needs of your security teams.

Risk Assessment and Contingency Planning

Assessing the risks and threats your organization is facing on a daily basis enhances its efficiency and effectiveness. Whether it is expanding operations under hostile conditions, or conducting internal security evaluations, **AGT** will identify and assess threats and implement proactive training measures in order to negate potential threats. All this can be accomplished without disrupting the continuity of normal work schedules.

Our Professional and dedicated management team will work proactively to provide your corporation with a multifaceted array of consulting services. The core staff is comprised of instructors with multi-national military backgrounds who specialize in weapons usage (including sharp-shooting), tactics, special operations and analysis.



GSM MONITORING

GSM Interception System

I0401

Works with any type of encryption, including A5/1 and A5/2 Off-the-air, fully passive, interception, decoding, processing and monitoring of GSM signals

Coverage of all frequency bands for GSM (850, 900, 1800, 1900MHz)

Several portable / mobile interceptors are managed and processed by Central Decoding Unit (CDU), via GPRS connection.

Concurrent monitoring of up to 16 conversations Homing DF capability (Optional)

Automatic Language/Dialect and Speaker Recognition (Optional)

PGIS is the most advanced GSM interception and monitoring system that currently exists worldwide.

PGIS first model was released in January 2005, and it operates

with all varieties of GSM networks, with all frequency bands and with any type of Encryption.

The system includes both hardware device and accompanying

software. It is housed in Attache Case or compact Industrial PC packaging, and operated by laptop computer.

No cooperation with the network operator is needed. In fact, no transmission

what-so-ever (either towards the BTS or towards the

MS) is performed by the system.

Several portable interceptors can be managed and controlled by a central

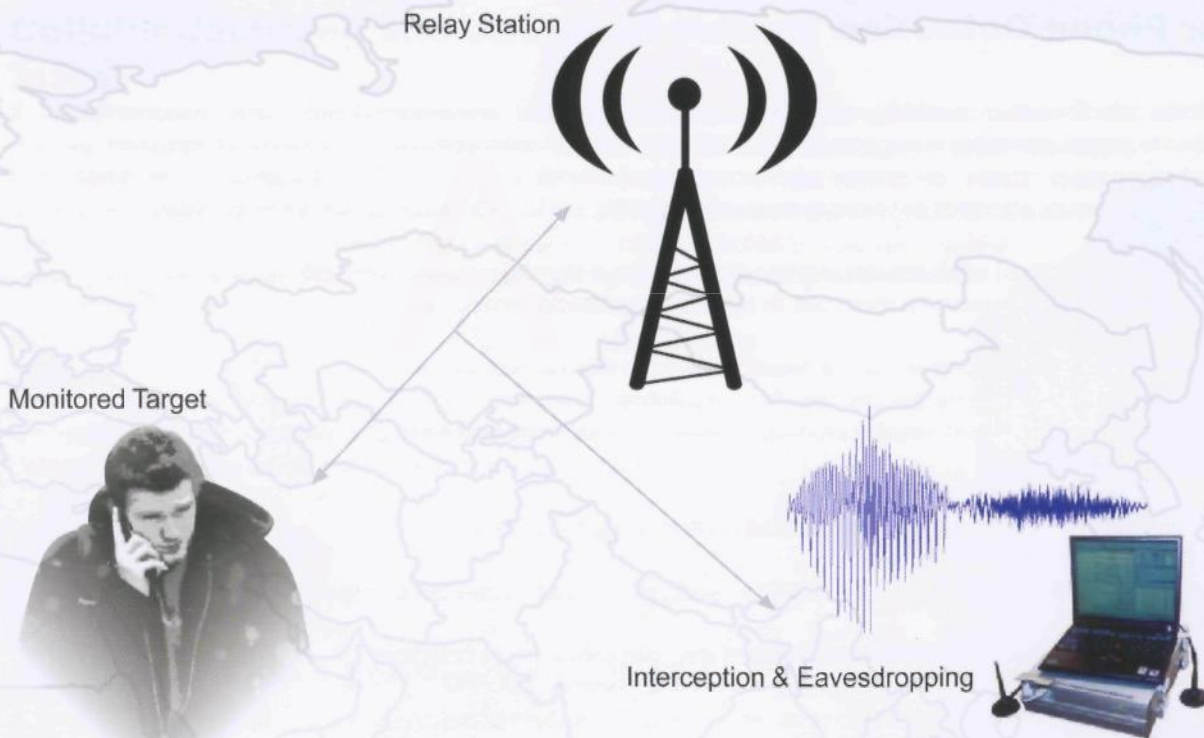
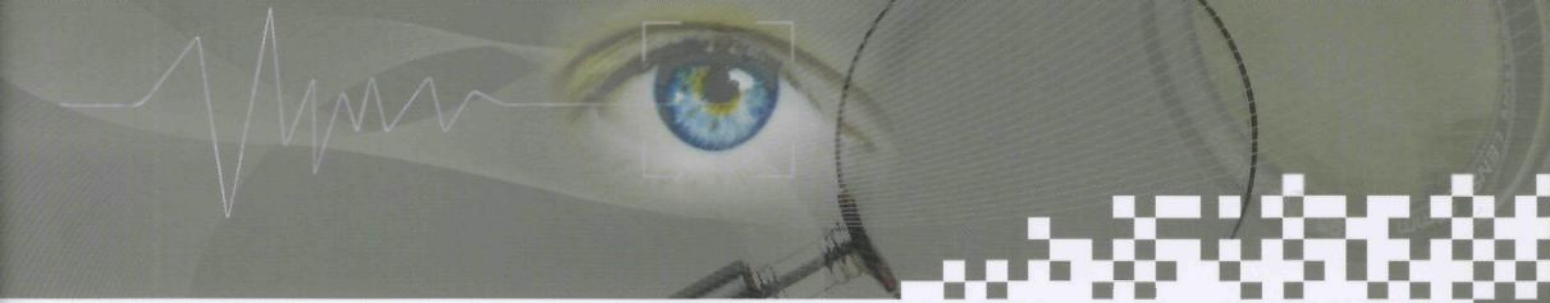
GSM processing and A5/1 deciphering system (CDU), via

GPRS link (Using FTP, or via PSTN dial-up data connection). The next generation of products (called PGMU) will be fully

portable and both the Interceptor and the A5/1 passive decipher

will be housed in a compact unit.





Receiver's Window

- Receiver number
- Channel/Channel number
- VE - Voice Error
- Signal level indicator of Forward and reverse channels
- Name of the network operator or Channel info of Author
- IMSI (TMSI of the cell)

The Receiver window also shows the recording status and the distance of the target

- Status Record Level Indicator
- Distance
- Channel
- Mode
- Event Recorder
- Speaker (SPEAKER button)

System overview and screen shots

Selection Criteria Tab

Receivers / Channels Info window

SMS Messages window

Target List / Base Stations List

Protocol windows

Target List

PGIS - [Target list C:\pgis\TDB\1.dat]

File Settings Tracking mode Windows Tools Help

RAND IMSI DIST NUM REV IMEI TYPE KEY NetMon SEARCH

NAME	Prior	PLMN	CL300	CL1800	IMSI	TMSI	IMEI	KEY	KC	Last Event	Cim1800	index
Alex	1	16512345678	Y	N	N	N	Y	N	Y	R4(85): Release channel: normal release		0
Targ1	2	923456534	N	Y	N	Y	N	N	N	R6(738): Ciphering mode command: A5/1	301881	1
Targ2	3	337865423	N	N	N	Y	N	N	N	Unknown		2
X	1	N	N	N	N	N	N	N	N	Unknown		
Y	1	N	N	N	N	N	N	N	N	Unknown		



JAMMERS

Cellular Phone Detection System

I0601

This mobile phones detection system is used by information security officers in military and defense facilities, where cellular traffic control is required to prevent information leakage via GSM cellphones or any other cellular phones. System is used also in other areas where cell phone use is forbidden, for example prison compounds. Each cellular phone detector is a small covert device that can detect any required cellular standards and network simultaneously: GSM, UMTS - 3G, Nextel, CDMA, iDEN and more.

Connected to main control software which provides real time audio and visual alerts upon each event of cell phone usage detection: attempt to send or receive a phone call, text message, multimedia message etc'.

The software provides the guard in charge with online detailed information which is most useful in order to easily locate and confiscate the detected unauthorized cellphone.

The software includes history log file with valuable information assisting in maintaining permanent information security in the facility.

Effective, user friendly, simple and easy to use.

Designed to offer a long term solution, this cellphone detection system is fully upgradeable:

New cellular standards can be added in the future – cellphone detectors can detect multiple cellular frequencies simultaneously.

Detectors can be modified to include cellular jammers, operated only upon cellular phone detection.

This cellphone detection system has minimal maintenance requirements. The mobile phones detectors and software's flexible design, makes the system compatible for any budget or facility size, from small rooms to large complexes.

Control System Operation



Features:

- Fully upgradeable
- High sensitivity
- Easy to use control software
- Audio and visual alerts

Used by:

- Prison facilities
- Correctional facilities
- Government headquarters
- Military commandcenters
- Detention centers
- Border control checkpoints
- Law enforcement operations center



Cellular Jamming and Detection

I0701

A portable cell phone jammer. Remote-controlled and fully digitized, this cellular jammer is designed for field missions that demand the combination of vehicle use as well as independent use where no power source is available. In the global war against crime and terrorism, military and law enforcement agencies came to face a small, cheap and innocent looking weapon - cellular phones. Cell phones are used by criminals and terror organizations as tactical tool for communication in routine and during attacks or crimes. Attached to improvised explosive devices, cellphones are also being used as a remote trigger for detonation, causing heavy casualties. This portable cellphone jammer blocks all required cellular network standards simultaneously: GSM, CDMA, TDMA, UMTS (3G), Nextel, 2.4 GHz and more.

Using its remote control, blocking range of this mobile phone jammers can be easily adjusted, according to operational needs. Optional spare batteries enable continuous and unlimited cellphone jamming.



Programmable Low Power Cell phone jammer

I0702

Low power cellphone jammers, intended to block mobile phones in designated areas indoors. Standard cellphone jammer for indoor use, housed in a small case for covert use option. The standard LP cellular jammer can block up to 3 different cellular networks simultaneously

- Jammers features include:
- Adjustable blocking range
- Programmable cellular frequency bands
- Tailor-suit housing – including covert housing
- Mission suitability
- Optional mobility (portable jammer, battery powered)
- Optional triggered jamming



Very High Power Programmable Cell Phone Jammer

I0703

A modular cellular communications jammers, designed for fixed or vehicle installation, where high transmission power and multiple frequency bands are required to block cellular communications within a large coverage area. Housed in a 19" rack, and can be activated via 12/24 Vdc power source or 110/220 Vac. Used by security forces to block cellular phones in large outdoors areas in routine or during emergency. Once the device is operated, it transmits accurate signals that disables communication between cellular phones and cellular base stations, thereby creating a cellphone-free zone. Inhibitor supports an unlimited frequency band composition according to customer requirements. It can block all required cellular networks and standards simultaneously, including GSM, CDMA, TDMA, UMTS (3G), Nextel, 2.4 GHz and more.



EOD/IED JAMMERS

Lightweight Backpack IED Jammer

I0801

Designed for ground troops under risk of encountering remote controlled improvised explosive devices, known as RCIEDs. Fully weatherproof, relatively small and backpack mounted, the backpack Jammer has a robust mechanical design, addressing different frequency range requirements simultaneously.

When driving in an anti IED vehicle, equipped with counter IED jamming system, convoy troops have the advantage of continuous protection. However, when troops continue to ground missions, forces are exposed to hidden and concealed remote controlled improvised explosive devices (RCIED).

The backpack Jammer provides the solution for this gap. This back pack, man portable jammer is blanketing a given area to prevent radio receivers from achieving RF signal for detonation of remote controlled explosive weapons, providing IED protection for ground forces. The backpack Jammer dismounted IED and radio jammer is equipped with long mission-life rechargeable batteries, allowing field use. Based on advanced research and development in counter IED technology, the backpack portable jammer can be configured to block different frequency bands including: VHF, UHF, cellphones, satellite phones and more. This IED jamming device can be programmed by connecting to a laptop computer equipped with Netline's counter IED configuration software. The backpack bomb jammer is used by:

- Military ground troops
- Bomb disposal units
- Law enforcement agencies
- Elite units



IED Jammer

I0901

A battle proven, modular wireless communication jammer, designed for vehicle or fixed installation. Consisting multiple transmission frequency bands and high transmission power, the ECM IED Jammer is used for force protection in complex scenarios where various threats might be used and large coverage area is required. Remote Controlled Improvised Explosive Devices, also known as RCIEDs or IEDs, are a major threat in most conflict zones around the world, causing heavy casualties among ground troops. With time, IED threat is expanding to other territories worldwide, used by terror organizations to execute attacks in popular and crowded locations. As this threat continues to develop technologically, military and security forces have to maintain advanced operational capabilities, by using an IED defeat solution that is based on adaptive technology, taking under account current and future threats. Designed to defend military convoys and EOD/ bomb disposal teams against Remote Controlled Improvised Explosive Devices, The ECM IED Jamming device effectively blocks the signals of radio transmitters used to remotely activate explosive devices and bombs. By accurately jamming the remote control frequencies, it cuts off radio communications from the triggering transmitter to the receiver on the bomb, thus immediately preventing bomb detonation and securing nearby civilians, bomb squads team members or military convoy. The ECM IED Jammer consists of a multi-channel jamming transmitter and unique software, configured as a modular jamming system that allows the end-user to select protection against any threat. Delivering powerful jamming signals through a matching array of antennas, the ECM Bomb Jammer installed in a vehicle creates a secure electronic shield around the anti-IED vehicle, providing IED protection to the entire team.

Applications:

- Convoy protection • Anti-terror units • Bomb squads
- VIP protection • Elite military and police units • Military bases



OPTICS FINDER

Device for Detection of Optic and Optoelectronic Systems

SROF-I1001

LROF-I1002

Detects all existing types of optics: sniper sights, binoculars, night vision, lasers, IR, photo/video and pinhole cameras.

Detection range:

SROF - up to 400m.

LROF - 1200 up to 1500m.

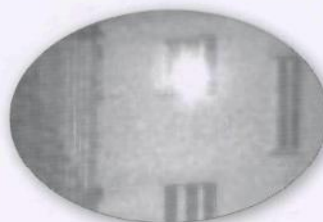
- Both work from batteries and AC mains 24/7
 - Both detect sniper sights with or without mesh/honeycomb filters (Not Possible with Conventional Optics - NPWCO)
 - Both detect optics used behind nylon curtains/veils, through multiple double glazed and/or tinted windscreens and windows.
 - Both work uninterruptedly against bright light/flushes (NPWCO)
 - Both detect IR cameras hidden behind IR filter (NPWCO)
 - Both detect laser audio-monitoring equipment (NPWCO)
 - SROF-I1002 detects fibre optics and all types of pinhole cameras in a switch on/off mode and total darkness
 - LROF-I1002 does not detect pinholes. It detects optics:
 - From a building into a car and vice versa
 - From a building into another building
 - From outside into a building and a car and vice versa (NPWCO)
 - LROF-I1002 has a video output which enables:
 - use of a monitor
 - video information recording (NPWCO)
 - LROF-I1002 shows distance to the target etc
- Lightweight and portable, they are used for Heads of States/VIP protection, anti-terrorist operations, counter-surveillance/espionage, protection of sensitive areas, buildings, petroleum/chemical facilities, nuclear power plants, airfields, border patrol. Ideal for covert operations and anti-paparazzi use.



SROF-I1002



LROF-I1002



OBSERVATION SYSTEM

Vehicle Mounted Observation System

I1101

Integrating an uncooled thermal imager for night observation in complete darkness, and a CCD camera for day observation. Both sensors are mounted on a robust and highly precise pan and tilt unit, enabling the user to control the system from inside the vehicle.

The system incorporates a unique control and display unit (CDU) installed inside of the vehicle, allowing the operator to control all system sensors and pan-tilt functions.



Day / Night Observation System

I1102

The uniqueness of the system is in its versatility and ability to combine different electro-optical sensors and devices within a single observation system.

Applications / Features:

- Border control and perimeter security
- Visual intelligence gathering – suitable for short to long range surveillance
- Variety of operational applications: tripod, tower and reconnaissance vehicle
- Friendly user interface
- Modular and versatile system
- Remote Control via wireless, cable, fiber optic communication
- Integrates with: Radar, Intrusion detection fence, VMD.



Wireless Video Transmitter

I1201

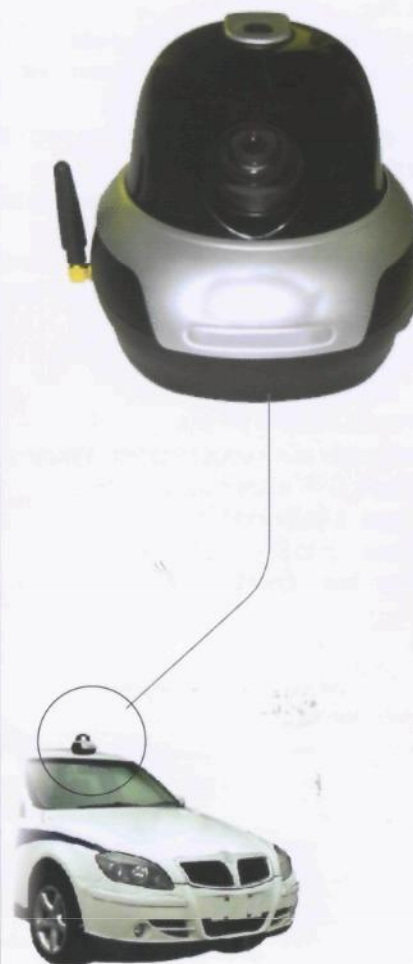
Video Transmission	
CPU	Dual DSP
Video Compression	MPEG4/H.264
Communication	1~14 fps ~CIF (Bandwidth 30-60Kbps)
Video Type	CIF(352x288PAL)
Video Mode	PAL/NTSC Self adjustment
Video Input	1 port BNC (75 Ω)
Video Quality	1~15 levels adjustment of definition
Recording Function	
On-site Recording	80G Hard Disk, up to 18 days data restoring
Video Replay	25fps(CIF),RJ45
Network	
Wireless Interface	3V R-UIM
Wireless Function	CDMA2000 1X RTT
Power Supply	
Battery	12V 11200mAh
Input	DC12V
Power Consumption	15W
Working hour	4~6 hours
Others	
Size	198mm * 85mm * 168mm
Weight	2.4kg
Working temperature	-10°C~50°C
Camera	
Resolution	520 lines (color), 570 lines (B/W)
Effective Pixels	811(H) x 508 (V)
Image Sensor	1/4" Interline Transfer CCD
Min. illumination	0.6Lux (Color) 0.1Lux (B/W)
S/N Ratio	Min 50dB
Electronic Shutter	1/50~1/100000 Second
White Balance	ATM indoor, AWC outdoor
Video Output	1.0Vp~p/75 Ω
Lens	x 30 Optical Zoom Lens
Backlight Compensation	Auto trace



Dome Wireless Video Surveillance System

I1301

Video Transmission	
CPU	Dual DSP
Video Compression	MPEG4/H.264
Communication	114 fps 1CIF Bandwidth 30-60Kbps
Video Type	CIF(352×288PAL)
Video Mode	PAL/NTSC Self adjustment
Video Input	1 port BNC (75 Ω)
Video Quality	115 levels adjustment of definition
Recording Function	
On-site Recording	1G Flash, 810 hours data restoring
Video Replay	25fps(CIF),RJ45
Network	
Wireless Interface	3V R-UIM
Wireless Function	CDMA2000 1X RTT
Power Supply	
Battery	3.7V 5400mAh
Power Consumption	4.2
Working hour	3 hours
Others	
PTZ	355° (H) Manual
Size	120mm×145mm×130mm
Weight	1200gm (Camera and other accessories excluded)
Suction	15kgs
Working temperature	-10°C150°C
Camera	
Resolution	500 lines (color), 570 lines (B/W)
Effective Pixels	811(H) x 508 (V)
Image Sensor	1/4" Interline Transfer CCD
Min. Illumination	0.7Lux (Color) 0.02 Lux (B/W)
S/N Ratio	Min 50dB
Electronic Shutter	1/501/100000 Second
White Balance	ATM indoor AWC outdoor
Lens	x 10 Optical Zoom Lens
Wide-Angle	70°
Backlight Compensation	Auto trace



VIDEO RECORDERS

USB Pen - Video Recorder

I1401

Ideal for both spy camera & hidden camera, small enough to conceal almost anywhere.

Includes:

- USB Cable
- USB Manual

Features

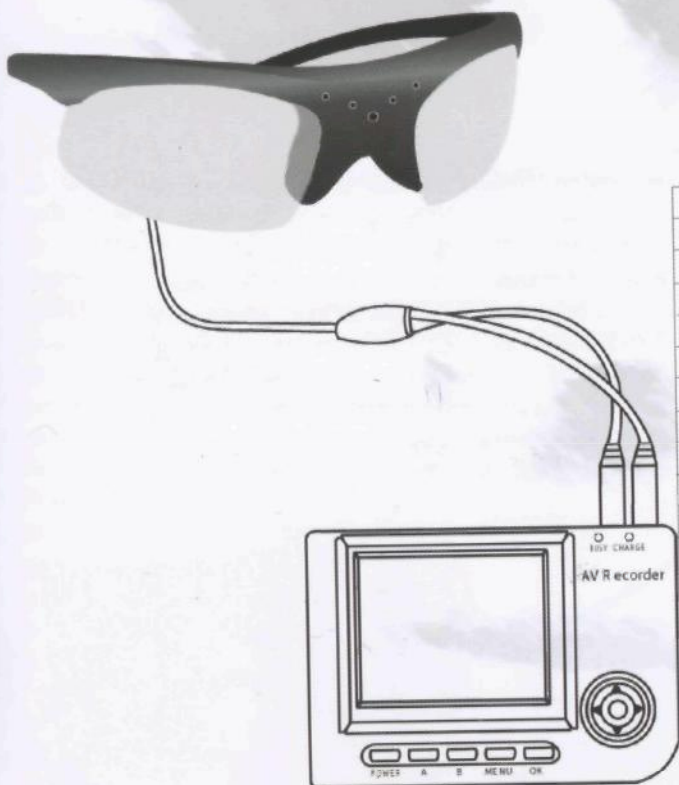
- Dimension: 150mm*15mm*15mm
- Weight: 30g
- Tiny size makes it ideal for a variety of uses.
- It's great for use as a hidden cam, spy cam , etc.
- Real time recording in AVI video format
- Color video with voice lets you clearly see who's there & hear what they say.
- Place it up high or conceal it down low.
With built-in rechargeable battery so there's no long cord for you to hide.
- Internal memory:1 GB or 2 GB
- Playback video on PC Camera Technical Parameter
- Video compression : AVI video format, 352 x 288
- Voice recording: Yes
- Internal memory: Yes
- Flash: 1 GB or 2 GB
- Video file size: >500KB per min
- Recording mode :continuous recording until memory is full or manually off
- Adaptor type: USB adaptor charging cable
- Battery type : Lithium-ion
- Record time : up to 5h
- Battery use time : about 2h



SunGlasses Camera

I1501

- Smallest size of audio video recorder only 90X65X20mm.
- Special design for evidence collection.
- Real time recording with date and time stamping.
- Sunglasses shape camera with hidden AV recording.
- No moving parts inside, SD / MMC card slot.
- Great for investigation or surveillance.
- No extra power needed for camera.
- Can play and record all kind of MP4 movies.
- Can play and record Mp3 songs.
- Built in 128/256/512MB memory. (1 GB optional SD card for longer recording).
- 1GB SD card (not included) can record 4 hours of audio video.
- No installation just plug and play.
- 2 pcs. Changeable Rechargeable battery included.
- Built in speaker + fashionable Earphone.
- Built In microphone in camera for audio recording.
- 2.5" LCD display with On Off switch (LCD can be turn off during spy recording)
- Connect on personal computer with USB port for download footage for editing or email
- Can use NOKIA 3310 battery for AV recorder.



Specification

	Color Pal	Color NTSC
Image	1/3 CMOS sensor	1/4 CMOS sensor
PICTURE ELEMENT	PAL-628X582	EIA(NTSC):510X492
ELECTRONIC SHUTTER	1/60-1/15000's	1/60S-6.3US
S/N RATIO	> 48dB	> 46dB
HORIZONTAL RESOLUTION	382 TV LINES	382 TV LINES
VIDEO OUTPUT	1Vp-p 75ohm	1Vp-p 75ohm
MIN ILLUMINATION	2LUX	2.0LUX
BACK LIGHT PENSATION	AUTO	AUTO
OPERATING TEMP	-10--+ 50	-10--+ 50
POWER SUPPLY(for wired)	2.7-4.5V	2.7-4.5V
POWER CONSUMPTION	< 50mA	< 45mA
IC	OV7910	OV7930



VIDEO TRANSMITTERS

Receiver

I1601

Features

- Uses the highly effective narrow bandwidth modulating Technique.
- Based on NCOFDM technology
- Support high speed mobile receiving;
- space diversity
- Very low delay video operation for real time applications;
- Resistance from interference;
- Encryption and scrambling for additional security;
- Ease of installation.
- Portal-RX, Frame-RX, Wrist-RX and Multi-RX(2//4/8)

Applications

- Commercial and industrial;
 - Supports both NTSC & PAL formats;
 - Military and law enforcement;
 - Disaster recovery;
 - Special force for antiterrorism;
- SFV 400-RX Series Receiver equipped with two antenna inputs with external down-converters to allow antenna placement remote from the receiver housing. The SFV narrow bandwidth modulation offers unprecedented spectral efficiency, while also increasing the system sensitivity and, therefore, range. The SFV receiver has comprehensive on screen display diagnostic capability

to show link quality and spectrum, enabling users to optimise transmission performance. Security of transmission is ensured by the use of ABS encryption as standard or, for greater security, optional AES 128/256bit encryption algorithms.



Portable Transmitter

I1602

Features

Video quality in high multi-path environments.

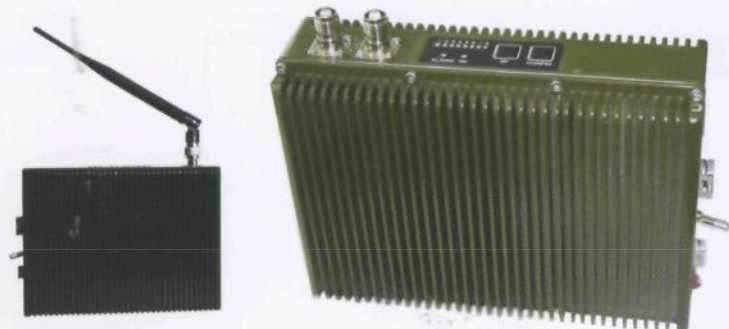
- They are ideal for use inside buildings, in urban areas, and other applications.
- Based on NCOFDM technology ;
- Support high speed mobile transmitting or receiving;
- Narrow bandwidth with low side band radiations;
- Resistance from interference;
- Encryption and scrambling for additional security;
- Ease of installation.

Applications

- Commercial and industrial;
- Supports both NTSC & PAL formats;
- Military and law enforcement;
- Disaster recovery;
- Special force for antiterrorism.

System can be carried expediently by individual soldier, vehicle, helicopter (robot bomb). It provides a rugged digital video, stereo audio and data link for wireless applications. An MPEG2

encoder compresses the video, and a NiCam encoder compresses the audio. The digital video and audio packets are then multiplexed with the data packets, and a COFDM modulator then modulates the multiplexed stream, before being up converted to a frequency in the 300-500MHz, 1.0 – 1.4GHz range (others on request) . Using NCOFDM technology and a number of proprietary solutions, Ensures excellent resistance to multi path and interference while producing extremely low sideband radiations.



Body Worn Transmitter

I1701

Features

- Based on NCOFDM technology used for special usage;
- Provides superior performance in multi-path and NLOS environment(inside buildings, in urban areas, and other Applications);
- Support high speed mobile transmitting or receiving;
- Narrow bandwidth with low side band radiations;
- Resistance from interference;
- Encryption and scrambling for additional security;
- Ease of installation;
- RF1w output and power consumption only 8W
- L128mm W69mm H38mm ,400g (U band)
- Supports FDD

Applications

- Commercial and industrial;
- Unmanned aerial vehicles (UAV);
- Full frame rate high resolution digital video;
- Military and law enforcement;
- Disaster recovery;
- Special force for antiterrorism.



Provides a rugged digital video, stereo audio and data link for wireless applications. An MPEG2 encoder compresses the video, and a NiCam encoder compresses the audio. The digital video and audio packets are then multiplexed with the data packets, and a NCOFDM modulator then modulates the multiplexed stream, before being up converted to a frequency in the 330-480MHz, 570~670MHz, 1.1~1.4GHz range (others on request) .

Using NCOFDM technology and a number of proprietary solutions, SFV body worn transmitter ensures excellent resistance to multi path and interference while producing extremely low sideband radiations.



Transmitter

I1702

Features

- Based onCOFDM, NCOFDM technology used for special usage;
- Provides superior performance in multi-path and NLOS environment(inside buildings, in urban areas, and other Applications);
- Support high speed mobile transmitting or receiving;
- Narrow bandwidth with low side band radiations;
- Resistance from interference;
- Encryption and scrambling for additional security;
- Ease of installation;
- RF1w output and power consumption only 8W
- L128mm W69mm H38mm ,400g (U band)
- L128mm W135mm H55mm ,Lband
- Supports FDD

provides a rugged digital video, stereo audio and data link for wireless applications. An MPEG2 encoder compresses the video, and a NiCam encoder compresses the audio. The digital video and audio packets are then multiplexed with the data packets, and a NCOFDM modulator then

modulates the multiplexed stream, before being up converted to a frequency in the 330-480MHz, 570~670MHz, 1.1~1.4GHz range (others on request) .



TRANSMITTERS

Video/Audio Transmitter

I1801

Based on the Fujitsu MPEG-2 System.

This is special developed DSP for real time video compression. Based on this has developed an encoder board for D-ATV application which incorporates the necessary peripheral components like SDRAMs, audio and video codecs as well as all required power supply demands (3,3 and 1,8V). Supports the formats SIF (352X288 Pixel), HD1 (352X576 Pixel), D1 (720X576 Pixel) at data rates from 0.5 Mbit/s to 15 Mbit/s. This data rate includes a 20-bit-stereo audio channel. The encoder firmware can individually be adjusted and is launched during system start. Data out supplies a transport-stream (SPI) according to ISO/IEC 13818 to an 8 bit TS-Interface with clock and Frame sync signal.

DVB-T-Modulator

This system has one transport stream input for connecting a multiplexor. To the multiplexor, again, up to four encoders can be connected. The RF-Baseband output uses a carrier frequency of 3.5-70 MHz (adjustable in 125-kHz-steps) and an amplitude of 75-90dB. The COFDM-Modulator generates all necessary Guard-Intervals, FECs and transmission modi (QPSK, 16QAM and 64QAM). Used will be the 2k mode and the 8k mode according to ETSI EN 300 744 V 1.4.1. All operating voltages are generated on the board, the input voltage range is 7-24V. The power consumption is about 5W.



TRACKING

Personal Tracker

I1901

Specifications

Weight with Batteries:

13.5 oz

Dimensions (antenna folded):

8 1/4" X 2" X 1 1/2"

Dimensions (antenna unfolded):

8 1/4" X 16" X 1 1/2"

Spurious emission:

<2 pW

Intercept point:

-20 dBm > 2 dB

Operating voltage:

7 - 10 V DC

Battery types:

9V Alkaline / 6LR61 - 6AM6EU

Sensitivity (IEEE Std. Test):

-136 dB

Modulation:

A1

DAAA:

>130 dB

Audio frequency power:

Max. 70 mW

Operating temperature:

14 - 122o F

Storage temperature:

14 - 131o F

Frequencies available:

433.000 to 434.999 MHz

Accessories

(1) Antenna

A folding antenna connects to the SMA connector on the receiver. A cable or adapter is required to connect the antenna.

(2) Rooftop Omni Antenna

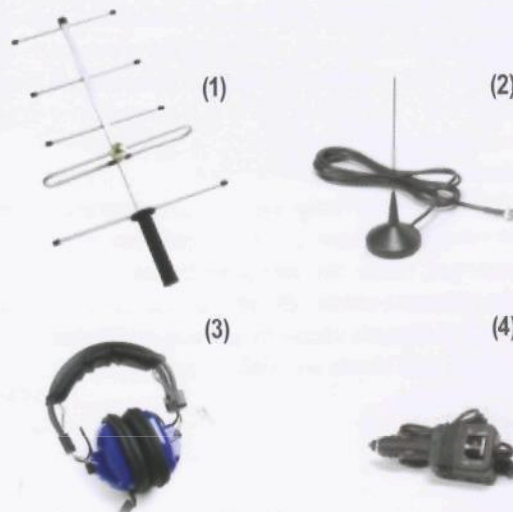
This antenna has a magnetic base that attaches to the roof of a vehicle and picks up signals coming from all directions. The antenna comes with a 9.5 foot cable to attach to the system.

(3) Headphones

Suitable for use in a vehicle or aircraft, these headphones have separate volume adjustments, and noise canceling ear cups for each ear to allow the user to detect a weak signal.

(4) AC Adapter

Use this adapter to power the system from a vehicle power point or cigarette lighter.



Transmitters

I1902

Offers the best combination of output, size and battery life in the entire transmitter line. Gives Law Enforcement officers the flexibility when determining the battery weight, transmission life and features that best fits their needs. Designed to endure the most rugged of conditions, housed in a high-density, electrical grade epoxy resin.



TRACKING

Portable RF Direction Finding System

I2001

Provides a high performance RF Direction Finding System that can be easily transported to any destination and deployed in most hard roofed vehicles in less than 30 minutes.

The portable system is a standard system with minor changes to facilitate the portability. supplied with:

- Magnetic mount, external discrete receive antenna
- Magnetic mount transmit antenna
- Separate GPS antenna
- Small, lightweight PC with 8" touch screen
- Wheeled Pelican Case

The portable system has been packaged into a wheeled case providing a high degree of protection and easy transportability. When deployed the main modules can be concealed within the passenger or luggage compartment of the vehicle. The power supply is obtained from the vehicle's 12v cigarette lighter port and an optional battery back-up can be fitted. The GPS antenna is normally deployed on the rear parcel shelf, minimizing the number of external antenna. The transmit and receive antenna are designed for fitting to any metal roofed vehicle, using magnetic mounts. The overall system performance parameters are unchanged, please see data sheet for details. Tags / Beacons can be selected from our comprehensive range to meet customer's frequency and size requirements. Separate data sheets are available on request.



Advanced Locating System

I2101

Tracking products and is one of the most technically advanced compact radio DF (Direction Finding) systems available. Comprises of five main elements: M9100 Receiver Base Unit, M9113-01 ARGOS compatible Plug In Module (PIM), M9402B Antenna Array, M9204 PC and M9203 Display Unit. The rugged system components have been designed for installation in demanding mobile and airborne environments and engineered to produce very low levels of electro-magnetic noise to prevent self-quieting. Has a dedicated Demodulator to recover ARGOS Beacon ID, GPS and payload data transmitted by LDA2-type beacons. The map interface is implemented using the MapX engine which supports a wide variety of raster and vector maps. The DF vector is shown both in the main display area referenced against the map, and relative to 'forward' on a clock face in the top right hand corner of the VGA display. An advanced GUI allows the operator to discriminate between the target beacon, other beacons and interferers using a variety of user-defined filters. As well as indicating the targets direction, the GUI can also display the targets GPS position.



Locating Tag

I2102

For use with the Advanced Locating Systems.

Supplied as a barebones device to provide maximum flexibility of deployment. It's very small profile enables concealment in clothing, bags, money-packs or other receptacles as operational needs dictate. An external device can be connected to the trigger input to activate an alarm signal within the system.

The unit is supplied with or without a flat lithium cell, but can be connected to any suitable external power source of 3V. A voltage regulator is available to enable connection to supplies from 3v to 12v. The transmitter radiates 10mW within 400 Band.

Typical range to a mobile platform is of 1 to 3 km, dependant upon the environment, antenna and deployment location.

The device contains an integral sensor which indicates the motion status of the tag (stopped, mobile) and assists with the battery management. This unit has been designed for specialist deployments and is not waterproof.

FEATURES

- ◆ Very small device for easy concealment.
- ◆ Unpackaged format for maximum deployment flexibility.
- ◆ Internal vibration sensor.
- ◆ Flexible antenna and power supply options.
- ◆ Unique ID.
- ◆ Low power, narrow band pulsed transmission for minimum detection risk.
- ◆ Wide frequency range so compatible with both Receivers.
- ◆ External Trigger.



VOICE ANALYSIS

Voice Lie Detector

I2201

An innovative, highly advanced, sophisticated software system that is specifically designed to provide the professional user easy access to truth verification and emotion identification by using vocal parameters. The system is designed for security officials: governments and security organizations, law enforcement agencies and immigration authorities, police, military and private investigators. For these users, faster verification means more efficiency which translates into cost effectiveness of the decision making process.

The system is a combination of three different tools:

Online Mode - for quick and immediate analysis during an open-ended interview, this occurs in real time

Offline Mode - for an in-depth analysis of pre-recorded material

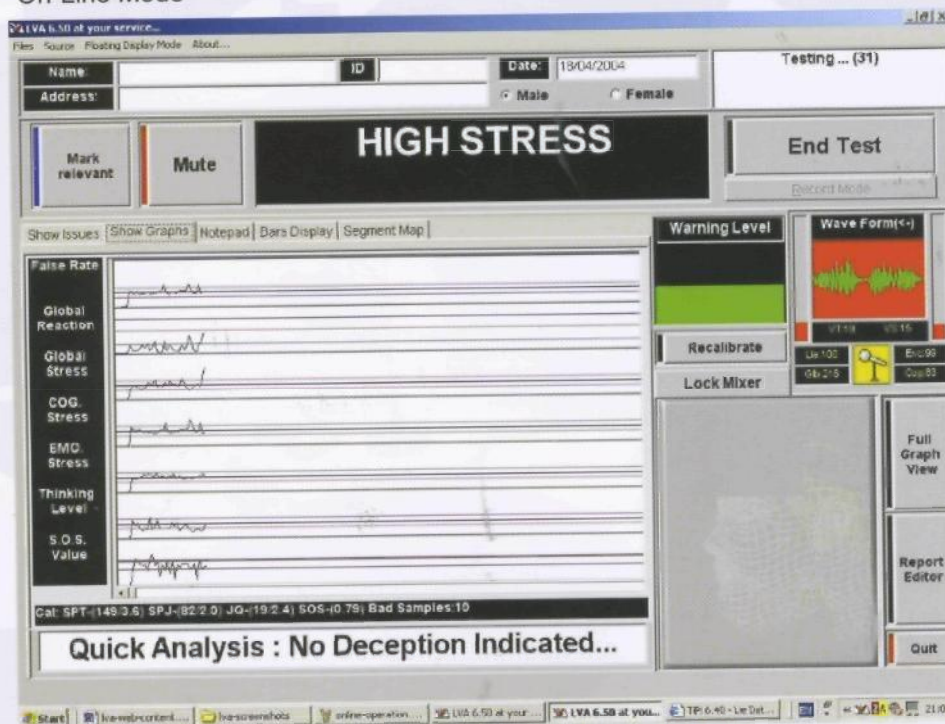
Investigation Mode - for a pre-defined closed-ended question analysis relating to a specific issue, It is similar to the questions used for traditional polygraph examinations and uses the same techniques, e.g., CQT, POT, etc.

The system offers a new analysis technique for all these modes of operations. The "Rich Psychological Analysis" (R.P.A) is automatically generated in all of the modes. In addition, for cases in which you require additional tools to analyze results, LVA provides two sets of graph displays for easy and convenient manual analysis. LVA was designed to be as friendly as possible while still offering maximum reliability and a familiar WINDOWSTM environment.

The system uses "psychological patterns" detection as well as three different and independent equations. These equations distinguish between stress resulting from excitement and any other emotional stress. Distinctions are also made between confusion and other cognitive or global stress resulting from the circumstances surrounding the issue being discussed. It also distinguishes between "acceptable levels" of stress and between stresses emanating from attempts at deception.

The system detects levels of tension, rejection, fear, embarrassment and attempts to outsmart or answer cynically. It also measures the subject's level of thinking. LVA also measures the willingness of the subject to answer in the relatively new Stop or Say (S.O.S) parameter. Using Deception Patterns, LVA can achieve the greatest accuracy rate in detecting deceptions.

On-Line Mode



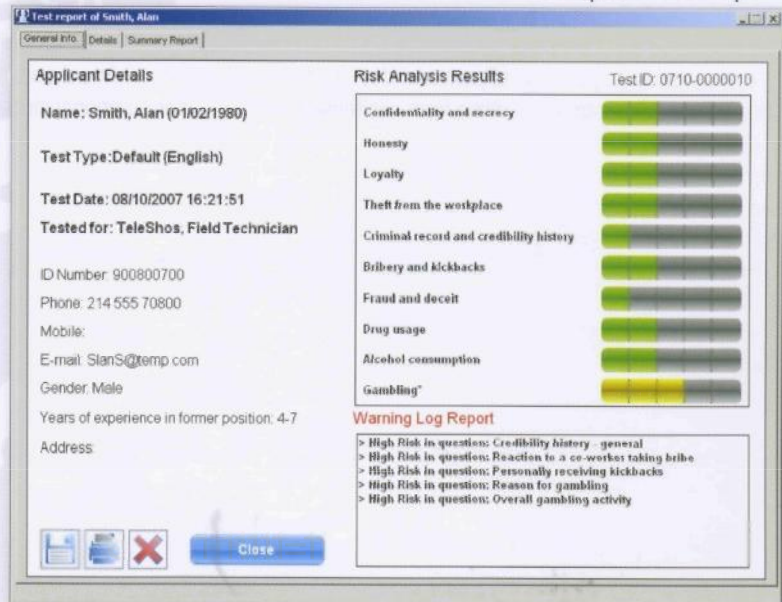
Voice Pre Employment Test

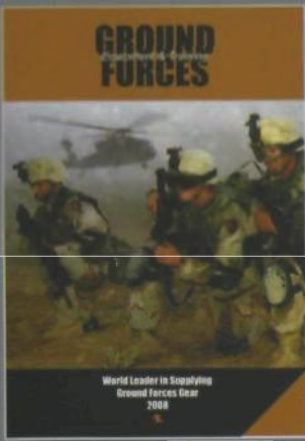
I2301

Available to help meet this challenge. Aptitude tests, background checks and personality profiling aid in the assessment of technical skills, prior experience, and overall credentials of a candidate. But what can employers do to reduce the threat of liability that a potential employee may pose in the future? How can you accurately identify a candidate's level of risk regarding unlawful acts such as theft, drug use, bribery, or general lack of integrity? Introducing LVAi Automated Integrity Assessment

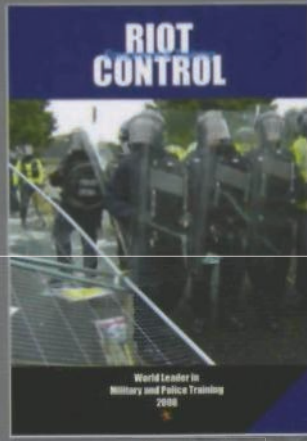
- Fully automated testing, assessment and reporting
- Promotes fair hiring practices by providing non-biased assessments
- Customizable test topics to meet your organization's evolving needs
- Language-independent: analyzes responses spoken in any language
- Helps protect your organization from potential workforce liabilities

Sample of test report

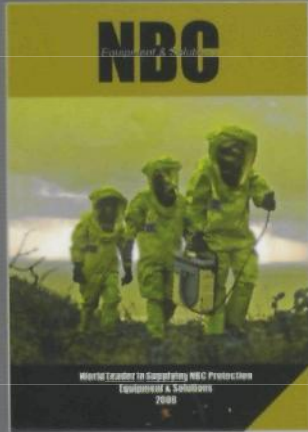




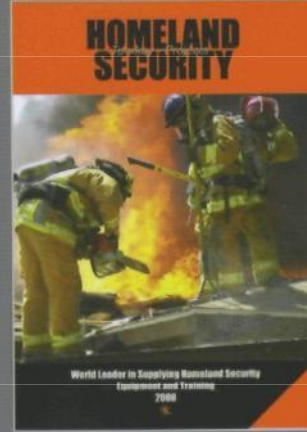
GROUND FORCES



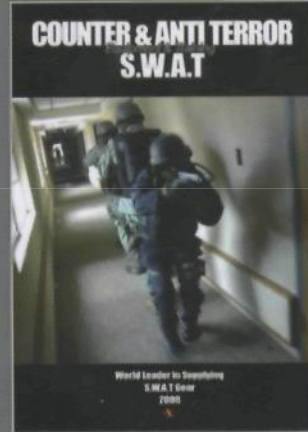
RIOT CONTROL



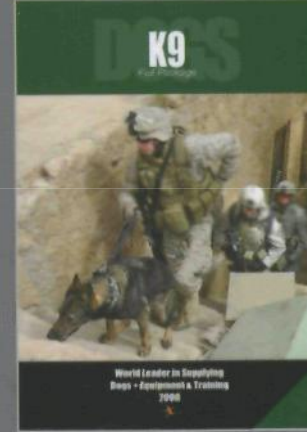
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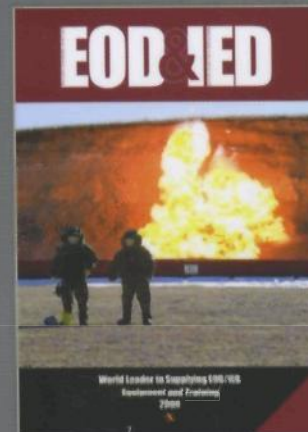
HOMELAND SECURITY



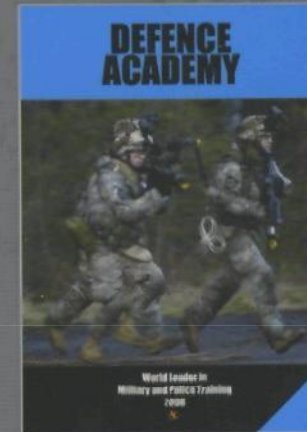
S.W.A.T



K9 DOGS



EOD & IED



DEFENCE ACADEMY

ONE STOP SHOP



MILITARY AND POLICE EQUIPMENT & TRAINING

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