

# ACUSTEK

## Through Wall

PRODUCT CATALOGUE



COUNTERMEASURES



SURVEILLANCE



THROUGH WALL

## WHAT WE DO

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### Covert Audio Video Surveillance

Full range of miniature, low powered professional audio and video covert solutions. Including WiFi, Cellular and Stand-alone devices.



### Through Wall Solutions

Range of products for Police and Military, aimed to gain maximum tactical intelligence and achieve rapid and effective intervention in dangerous situation such as Anti-terror, hostages and stronghold monitoring.



### TSCM Countermeasures

A range of technical countermeasure devices for signal intelligence and hidden electronics detection.

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**Unique concept in  
the industry for Rapid  
Intervention Team**

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## CONTENTS

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- 04 CPR4+**  
Handheld See Through  
Wall Radar
- 06 UDV SCORPION**  
Under Door Viewer
- 08 STS Earwig**  
Listen Through Wall  
Stereophonic Digital  
Recordable Stethoscope
- 10 LND Stealth**  
Low Noise Drilling  
Equipment Set
- 15 ABOUT US**

Proven solutions  
for **listening** and  
**seeing through**  
the wall

# CPR4+

## Handheld See Through Wall Radar for Movement Detection

- Brand new delivery set with preconfigured ruggedized phone.
- Newly released Android APP.
- New AEC – Automatic Environment Compensation.



Fast light weight tactical device to ascertain if people are behind walls or solid objects

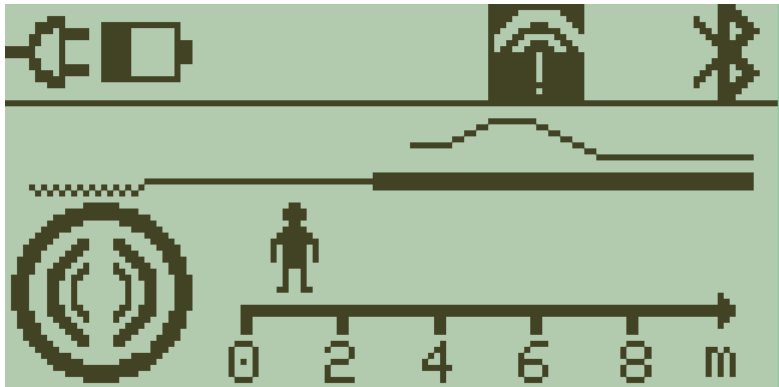


## CPR4+ TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Transmitting frequency	10.525 GHz (optional alternatives)
Transmitting power, peak	10dBm EIRP (10mW)
Transmitting power, average	1- 10mW
Pulse repetition frequency	CW (continuous wave)
Wireless interface	Bluetooth 2.0 Class 1
Display	Graphical 128x64, LED, with backlight
Size	90/120mm W, 200mm H, 30 mm
Weight	600 grams



Android APP Interface



Display Indicator in Action view

## FEATURES

- **FAST AND EASY**  
Rapid deployment and is ready to take readings within seconds. Intuitive operator interface with graphical movement types indications. Clear and easy to use requiring minimal training.
- **MULTIPLE REMOTE MONITORING**  
Due to possible use in dangerous situations the Advanced Wireless Remote Networking CPR4+ has several new remote features including monitoring and control of multiple units from a single ANDROID tablet or smartphone.
- **AEC AUTOMATIC ENVIRONMENT COMPENSATION**  
Allows CPR4+ to filter unwanted regular movements from the operator side drastically reducing false readings.
- **DETECTION CAPABILITY**  
Typical detection range of the radar to a human in a 70 degree sector is 3-5 m behind a 20 cm concrete wall, 10 meters behind an interior wall, 25 meters without any obstacles. Sensitivity of detection can be easily increased or decreased as needed. Movements such as fans are filtered out and not detected, increasing the accuracy of human detection.
- **SUPERIOR OPERATIONAL TIME**  
The CPR4+'s outstanding operational time on internal standard batteries, far exceeding all comparable devices, also the light weight military specification with robust waterproof construction, minimal sun glare and back lighting, means that the CPR4+can be deployed in real life situations.



# UDV SCORPION

## Under Door Viewer

The ultra thin blade 3.5mm is the thinnest blade available. Designed to provide operators with covert audio video inspection of rooms behind closed doors.

The internal DVR records real-time audio video directly to an SD card for post operation review and storage. Moreover, the DVR section can easily be detached for direct playback to external monitor.

The Scorpion kit is provided with an illuminator at 940nm Infrared not visible to the human eye for full darkness visibility.

The **thinnest** underdoor viewer blade in the world encompassing both **audio and video recording**.



## ADVANTAGES

- Allows gathering of video and audio intelligence in high-risk operational situations.
- Reduced thickness of the blade allows wider operational accessibility.
- The UDV is made from ruggedized aluminium and plastic making the device very resistant and suitable for most under door operational scenarios.
- Components of the best quality in the market achieving the most advanced and reliable unit available.

## UDV TECHINCAL SPECIFICATIONS

MONITOR	
Video Inputs	PAL/NTSC Auto Detection
Display	5" RGB 800 X 480 Colour TFT LCD
Viewing	Horizontal - +/- 60 degrees Vertical - + 15 to - 30 degrees
Brightness	Typically 250cd/m2
Controls	Front panel: ON/OFF switch. Audio level, Contrast, Brightness
Temp	- 10 deg. to + 45 deg. C ambient
Audio	Knowles Microphone
BODY	
Power	POWER, STOP, RECORD, LOCK
Rechargeable Port	Port on the side of the Monitor
Charger	Supplied DC 5V/3A charger
Audio Out	3.5mm socket for headphones or built-in external speakers
Blade	3.5mm insertion blade with latest Quartz Fibre and Knowles Microphones
CAMERA	
Overview	WATEC 910HX CCIR High Resolution ½" Black & White CCD Camera
Resolution	More than 570 TVL
Current consumption	1.38W (115mA)
Gain Control	Automatic
Operating Temperature	-10C to + 50C
Field of view	60 Degree inverted

# STS EARWIG

Listen Through Wall  
Digital Stereophonic Recordable Stethoscope

The STS Earwig Digital Stereophonic Recordable Stethoscope is the most advanced unit for listening covertly through various construction fabric, such as wall/ceilings/plaster, most doors within buildings. It is currently the preferred stethoscope in use with both Military and Law Enforcement units.

The ACU-STS Earwig excels in sampling high quality DAC (Digital Analogue Convertor) and ADC (Analogue Digital Convertor) techniques of the Audio signal received, to a very high frequency (using an over-sampling technique) in order to improve the characteristics of the audio path. It uses five bands of equalized algorithms which provides you with clear resultant audio.

The **smallest** and **most effective** digital stereophonic recordable stethoscope



## STS TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Input	2 Balanced channels
Bandwidth	50Hz - 8 KHz
Sample Frequency	16KHz
Microphone Gain	0~40 db
Microphone AGC	Yes
Line Out Gain	0~40 db
Headphone Gain	0~40 db
Equalizer bands	3
Gain each bands	5 +/-12 db
Audio Output	Stereo Headphones + Line Mini Jack
USB File System	Wave File (Uncompressed) 8GB USB Dongle provided, delivering 32 hours recording
Compression	None
Power Voltage	3.0V~5.0 V DC
Power Consumption	280mW (70mA at 4V)
Battery	Li-Ion Cell 1.8Ah (Safety Certificated for flight and air transportation)



## FEATURES

- ONBOARD RECORDING**  
Directly to USB memory drive in quality uncompressed format.
- OUTSTANDING AUDIO QUALITY**  
Newest and most advanced Stereophonic Stethoscope on the market to-date. Allows highest possible quality listening through various construction fabrics such as walls, ceilings, plaster, brick, doors.
- PROVEN EFFECTIVENESS**  
By Police, Military and EOD units in operational effectiveness when used by EOD Teams where the recovery of sound from the likes of timing devices and electronic switches is crucial in Improvised Explosive Devices (IED's) is essential.
- ROBUST CONSTRUCTION**  
Designed for field use, robust, handheld and precision made metal construction featuring professional LEMO connectors, as well as high spec microphones.
- FULL TACTICAL SET**  
Complete with its own carrying case, quality headphones, batteries, amplifier units, sensors and dowels, the product is ready to go on operation anytime.
- LATEST UPGRADE**  
Now equipped with the latest accelerometer sensors with re-enforced cables, gold connectors IP67 Rated.



# LND STEALTH

Low Noise  
Covert Operational Drilling Equipment

The LND Stealth Low Noise Drilling system is a small unique drill assembly with several unique features, including its own integral rechargeable battery pack, control panel and remote hand speed controller all encompass in its ruggedized operational case. The most advanced Law Enforcement drilling system.

Designed to enable specialists to covertly gain access by drilling through a wall to a target room or building in order to obtain vital audio or visual intelligence before a rapid intervention.

Features a powerful motor and gearbox which combine to produce a high torque to the drill head and produce 70 rpm, which is double that of any other drill of comparable size.

Fully featured **Low Noise Drilling Equipment** for **covert operations**



## LND TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Control knob 0-100% drill speed	70 rpm at 100%
Motor current continuous	max 3A
Motor current max	max 6A(10s.)
PWM motor-frequency	25KHz
Dimensions	60mm x 65 x 36.5mm
Weight	250g
Remote speed controller	165mm x 105mm x 61mm
Internal Battery Pack	
Complete Kit in protective case	10.5kg



LDN Stealth Complete Delivery Set

## OPTIONAL ACCESSORIES



Full Surveillance KIT



Slow Water Pump & core drill bit system



Audio Probe KIT

## FEATURES

- The LND Stealth comes in a complete delivery set including series of colour coded drill bits from 8 down to 1mm in diameter as well as extension rods, application tools and wall mounting brackets.
- The drill is also provided with a handheld through wall obstruction detector used at the outset, which is used to locate any obstacles that could be encountered by the drill and compromise the operation or the safety of the operators.

## TACTICAL USE

- The gathering of video and audio intelligence during a long and protracted Hostage Siege is essential in providing the operational commander with the most effective solution to the clear identification of salient activities from within the stronghold in aiding his decision making.
- The drill kit is highly portable on site and also in its conveyance to the scene.
- Various drill sizes are supplied with the full LND Stealth kit so that larger holes narrow down to the smallest, to absorb a final "break through" drill of 1mm, so probes can be inserted.



## SURVEILLANCE

## TSCM COUNTERMEASURES



## THROUGH WALL SOLUTIONS



## ABOUT US

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Located in Dublin, Ireland, ACUSTEK is an established manufacturer of unique professional products for Surveillance, Counter-Surveillance TSCM and tactical equipment.

**Our mission is to provide the best and unique solutions to Law Enforcement, Intelligence Agencies, Rapid Intervention Teams, Military, Prison Services, Police and Government Agencies.**

DETECT

ANALYSE

REACT



## NOTES

[illegible]



# ACUSTEK

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