



TECHNICAL SURVEILLANCE

Video & Audio Solutions

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Introducing Sonic Communications (Int) Ltd



Over 40 Years Experience

Sonic Communications (Int) Ltd has over 40 years experience in the security industry and specialises in the design and manufacture of communications accessories for overt/covert radios, supplying bodyworn covert video surveillance equipment and carrying out specialist vehicle installations for law enforcement agencies, government and militaries worldwide.



Growth Our expanding Business

Expansion of our specialist vehicle installation facility has increased the throughput of both covert/overt car, van and motorcycle installations. Our mobile installation teams are available to provide "on-site" work in the UK and overseas. To increase overseas support services, we have a facility in Dubai, providing local installation and product support.



Family Soncell International

Sonic Communications (Int) Ltd is part of the Soncell International group of companies serving homeland defence agencies worldwide.



Training & Our Accreditations

Sonic Communications is a Nationally recognised Training Provider, awarded an Approved Centre award and an Affiliate Provider Quality Mark by "Skills for Justice (SfJ)". Sonics' Surveillance training is also awarded Approved Course status by RoSPA for Worldwide delivery, complementing its existing BSI 9001 :2015 certificate.

Sonic training events are bespoke to each clients requirements, designed by its in-house Surveillance Development Specialist (formally the National Surveillance Training Manager with ACPO (TAM)).

Client preferred qualification criteria can be embedded within the training offered.



SONCELL INTERNATIONAL



CORPORATE
COVENANT



INVESTORS
IN PEOPLE



BRITISH
APCO



Quality Mark
Affiliate provider



OUR SERVICES

AUDIO

Audio Accessories

Reliable radio Communication is a critical resource supporting the effective operation of Civil and Military vital service providers. Sonic Communications (Int) Ltd are proud of their position as global leaders in the provision of radio accessories and services to law enforcement, military and homeland security professionals. With credentials of the highest order established through operational success on every continent for over 40 years.

VIDEO

Technical Surveillance

Technical support to surveillance is a critical resource supporting the most valuable of investigative tactics. Surveillance equipment is essential to the effective and efficient deployment of surveillance investigators whether operating in mobile teams, observation points or from remote unattended stations.

SVO

Specialist Covert/Overt Vehicle Operations

Sonic communications int ltd are able to provide a full design, manufacture and installation of covert & overt communications and video solutions onto a large selection of vehicles. This includes deep covert installations integrated under the bodywork or transportable solutions as rapid deployment systems that can be switched between vehicles for maximum flexibility.

TRAINING

Training Services Overview

Sonic Communications is engaged globally designing and delivering bespoke training and development events to clients within the public sector performing surveillance. Sonic training is designed to meet client declared local challenges, supporting the development of operatives and engineers, refreshing or establishing Standard Operating Procedures and Occupational Standards to support "Legacy" training.

Internet based reference material, "live" deliveries and e-learning resources, accommodating client preferences and logistical challenges are also available to support or as an alternative to physical deliveries.

A dark, grainy photograph of two individuals standing in a narrow, industrial corridor. The person on the left is wearing a blue hoodie and dark pants, while the person on the right is wearing a black hoodie and dark pants. Both are wearing bodyworn DVRs. The background shows concrete walls and a doorway leading to a brighter area.

Bodyworn Self-Contained
Compact

DVRs

Enabling Surveillance Operatives to
Gather Evidence On Target

PV-RC200HD2(KR)

Bodyworn Self-Contained Digital Video Recorders

Unlike a lot of other devices we have seen, the RC200HD2(KR) records at full 1920 x 1080 resolution and at 30fps providing very clear and smooth video as well as excellent sound quality. As with all LawMate covert recording devices, the video is watermarked with a time and date stamp.

At the touch of a button, the remote DVR will start up and be ready to record video or take stills photos in just 2 - 3 seconds. This key fob DVR covert camera will vibrate quickly to let you know what it is doing (this feature is switchable).

Key Features:

- 1080p HD video quality
- 1080p/720p switch
- Video & Photo capable (5MP photos)
- Photos: JPEG format 2592x1944
- Field of view: 66 degrees
- Watermarked day/date/time stamping
- Vibration alert: On/Off, Record, Photo, Low Battery
- Law Enforcement grade video & audio
- Can also be used as a web camera
- Continuous recording for approx 75 minutes
- Integrated 650 mA polymer battery
- Supports up to a 32GB Micro SD card
- H.264 .MOV file format
- Dimensions: 75x44x17mm
- Weight: 32g



Similarly specced PV-RC200HD2 alternative available.



PV-RC200 HDW **Wi-Fi**

Bodyworn Self-Contained Digital Video Recorders

The Wi-Fi connection allows the recorder to connect to Android and iOS phones & tablets to provide live audio, setup and file management and transfer.

At the touch of a button the remote DVR will start up and be ready to record video or take stills photos in just 2 - 3 seconds. This key fob DVR covert camera will vibrate quickly to let you know what it is doing (this feature is switchable).

Key Features:

- 1080p HD video quality
- 1080p/720p/VGA option via smart app
- Free Wi-Fi application to support Android/iOS (for live audio setup and file management and transfer)
- Video & Photo capable (5MP photos)
- Photos: JPEG format 2592x1944
- Watermarked day/date/time stamping
- Law Enforcement grade video & audio
- Continuous recording for approx 65 minutes (with active Wi-Fi)
- Supports up to a 32GB Micro SD
- H.264 .MOV file format
- Dimensions: 71x35x16mm

Phone Holder **Wi-Fi**

Covert Wi-Fi DVR



The unit remains a fully functioning phone holder concealing all operating buttons under a convenient swivel lid.

The Wi-Fi connection allows the recorder to connect to Android and iOS phones & tablets to provide remote full system control and live monitoring.

Key Features:

- 1080p HD video quality (H.264 .MOV)
- JPEG format 2592x1944
- Watermarked day/date/time stamping
- Law Enforcement grade video & audio
- Can also be used as a web camera
- 65 mins continuous record



PV-500L4i

Bodyworn Self-Contained Digital Video Recorder

The LawMate PV-500L4i recorder is a Wi-Fi enabled DVR designed to work with CMOS & CCD analogue cameras.

The Wi-Fi connection allows the recorder to connect to Android and iOS phones & tablets to provide remote full system control and live monitoring.

The PV-500L4i recorder does not have a screen and this permits the battery life to increase to 4 hours of operation. If you also opt for the BA-4400mAh battery, operation increases to circa 8 hours on a fully charged battery.

Key Features:

- Works with any Android or iOS device
- Live monitoring (Wi-Fi P2P)
- D1 resolution capture (720x576)
- Up to 240 min recording time
- Watermarked time-stamped evidential grade video
- Download recorded footage
- Compatible with current PV500 battery cells
- Supports PI-RF50 RF Remote controller
- H.264 .MOV File format
- Low light sensitive camera options
- Vibration alert (power on/off, recording, low battery)



This recorder is designed to work with the BU18-HD Neo button camera and the BU18-HD Neo Cone camera. Providing excellent low-light capability down to 0.03 Lux, this 1100 TV line camera captures exceptional video and audio.

The Wi-Fi connection allows the recorder to connect to Android and iOS phones & tablets to provide remote full system control and live monitoring.

To enable surveillance operatives to build their own camera hides, a range of camera and lens deployment kits are available.

PV500 Neo DVR Also available
(Cost saving variant for those not needing the integrated display)



PV500 Neo Pro DVR

Digital Video Recorder

Key Features:

- Live view with Android or iOS devices
- Live monitoring up to 5m range
- 3" touch screen interface
- 1080p/720p/WVGA resolution
- Up to 180 minute recording time
- Watermarked time-stamped
- Compatible with current PV500 battery cells
- 32GB Micro SD card supplied
- H.264 .MOV File format
- Switch between standard or motion detection recording
- Start/stop recording
- Set the time & date / synchronise with your smart phone/tablet
- Can be used with optional PI-RF50TX wireless remote commander
- SSID visible/hide switch

PV1000 Evo 3

Digital Video Recorder

The PV1000 Evo 3 functionality enables a much broader potential for deployment enabling rapid covert body worn, vehicle mounted or person carried devices to be constructed ad hoc or for long term use.

The Wi-Fi connection allows the recorder to connect to Android and iOS phones & tablets to provide remote full system control and live monitoring.

Key Features:

- 5" LCD touch screen operation
- Multi-layer password protection
- Adjustable frame rate
- Tamper-proof frame counter
- Unique ID number on video file
- Pre-event recording ready
- Built-in 1TB storage
- Supports up to 128GB Micro SD
- 8-pin Din locking digital camera connector
- 12v camera support



● Mini Wi-Fi DVR

Digital Video Recorder

This miniature DVR has built in WiFi enabling live streaming and file downloading to smart phones. It accepts analogue cameras receiving video and audio whilst supplying 5v power through a 2.5mm camera port. The device is powered by external 5v supply. This is an ideal unit for installation within body-worn or carried hosts or deep fitted within custom built hides in a targeted environment.

Key Features:

- D1 recording on microSD up to 64GB
- Live streaming of video
- Wi-Fi download of recorded footage
- Timestamp, motion detection support
- Built in 720P pinhole camera
- Built in Wi-Fi IEEE 802.11b/g/n 2.4GHz ISM Band



● Mini WiFi Camera/DVR

Built in 720P Pinhole Camera COVERT DVR

The Mini DVR is a self-contained unit, featuring an internal rechargeable battery, built in 720p pin hole camera and built in Wi-Fi for live audio and video streaming. This compact unit can be installed into a variety of host for covert audio and video recording / streaming.

Key Features:

- 720P/480P recording on micro SD up to 64GB
- Live streaming of video
- Wi-Fi download of recorded footage
- Timestamp, motion detection support
- Built in 720P pinhole camera
- Built in Wi-Fi IEEE 802.11b/g/n 2.4GHz ISM Band



● VapeCam Covert Camera ^{HD}

Bodyworn Self-Contained Digital Video Recorder

Vape devices are proving to be more and more popular with smokers worldwide & Sonic's own VapeCam provides a practical and effective solution to camera concealment for covert surveillance.

Through our Research and Development department we have been able to produce a fully working DVR unit housed within a popular Vape design chassis.

Adding to the illusion is a fluid tank capable of receiving Vape Juice much like you would a fully working device. This clear tank completes the deception that the unit is anything other than a Vape device giving the operative confidence that the unit will go unnoticed.

Key Features:

- 1080p HD video quality
- Video & Photo capable (5mp photos)
- Photos: JPEG format 2592x1944
- Watermarked day/date/time stamping
- Law Enforcement grade video & audio capture
- Can also be used as a web camera
- Continuous recording for approximately 75 minutes
- Supports up to a 32GB Micro SD card
- H.264 .MOV file format



Power On & Record

Power Off Snapshot

Camera

Mic



LED Indicators
USB & Micro SD Card

FlashBack 3C/3G

Digital Video Recorder



3C Single unit



3G unit

The FlashBack-3C is part of the highly successful FlashBack range of DVRs, maintaining the colour coded connectors for easy installation.

An internal lithium polymer battery is available as an option for the FlashBack 3C single. The battery is charged whenever power is applied to the FlashBack unit.

There are a number of special accessories available using the new connector system including a GPS receiver, Knowles microphones and a miniature low-light bullet camera.



Lens Kit & Accessories

Key Features:

- FlashBack-3c H.264 DVR with miniature connectors
- Mating cable sets included for the FlashBack-3c Single and Dual
- Interfaces to commonly used video, audio and power connectors
- Easy to install in-line extension cables
- Retains all the key interfaces of the standard system

FLASHBACK 3G has an integrated 3G modem & GPS module providing live streaming and location.



FB4G Modem Module Upgrade for FlashBack-4



FlashBack 4G Rugged Also available



Lens Kit & Accessories

FlashBack-4 is a miniature DVR specifically designed for covert surveillance operations. Building on the successful FlashBack-3 range of DVRs.

FlashBack-4 offers multi-channel SD recording with an HD capability, in a similar low-power, small and rugged form-factor.



Flashback 4

4 x SD or 1 x HD Inputs: One HD input is provided to a dedicated low-power micro-HD camera.

Alternatively this input can be used with standard HDSDI cameras via an external adaptor. The system also has 4 standard definition inputs supporting PAL or NTSC high resolution SD format. It is possible to record each SD channel individually or all 4 as a single high definition quad. Two channels of audio are recorded alongside the video.

FlashBack 4

Digital Video Recorder



Key Features:

- 1 channel HD or 4 channel SD
- 1 x i-Conex-HD input to HD micro-camera or HDSDI camera
- 4 x PAL or NTSC compatible video inputs, recorded as individual SD channels or all 4 as an HD quad
- H.264 compressed FLV files
- Removable SD card up to 256GB providing 8 days of real-time SD recording, 3 days HD recording
- Single internal or dual external Knowles microphones
- Record control via 2 x external triggers, internal timers or for vehicle installations, by shake or GPS movement detection
- Interconnection system for ease of installation

FB4G Key Features

- RTSP stream live video & audio with web page control.
- Easy to install: one simple connection to FlashBack-4.
- 3G and 4G LTE operation
- 4G LTE services and compatible with AT&T and T-Mobile (3 & 4G).

● Surveillance Rucksack

Video Surveillance System



DVR of choice

Compatible Range Of DVRs

A rapid deployment camera installation. A variety of options regarding number and position of cameras/microphones result in this equipment being an extremely flexible surveillance option.

The rucksack is offered with a variety of options for recording, (including PV DVRs), dynamic distribution (including WiFi, GSM encoders etc) and power.

Key Features:

- Standard or free supplied rucksack
- Single or dual cameras
- Camera position options
- DVR options
- Transmission options
- Rapid deployment

● Video Surveillance

Tool Kits



To complement the range of miniature DVRs, Sonic communications supply a variety of deployment kits combining the DVRs with miniature cameras and lenses.

To enable surveillance and technical support operatives to build their own covert camera hides, a range of kits are available. These are configured to meet each clients needs and enhance the value of investment by providing auditable safe storage and discrete portability.



Bodyworn Self-Contained Compact DVR's

Upto
14HRS
Continuous Recording



UNIT A - Built-in Battery



UNIT B - Removable Battery

The Bodyworn DVR is a powerful compact self-contained DVR designed for surveillance operations and as an evidence gathering DVR for self-defence. It is ideal for law enforcement and security agencies and is operationally proven.

Adding to the already successful range of DVRs from Sonic Communications (Int) Ltd, the Bodyworn DVR offers a range of features that encompasses all the requirements needed to withstand the rugged environments in which it will find itself.

The units shown have a built-in flashlight, laser, IR illumination and removable battery option. The unit houses 16Gb of internal memory with an option to expand the internal capacity up to 256GB.

With a small reviewing screen, a recording time of 14 hours continuous recording (at 1080p/30 fps) and with its IP66 rating, the unit is ideal for long operating times no matter how bad the weather.

The unit also offers external camera support via its Mini USB port. For more information on our range of cameras, please contact your regional sales representative.

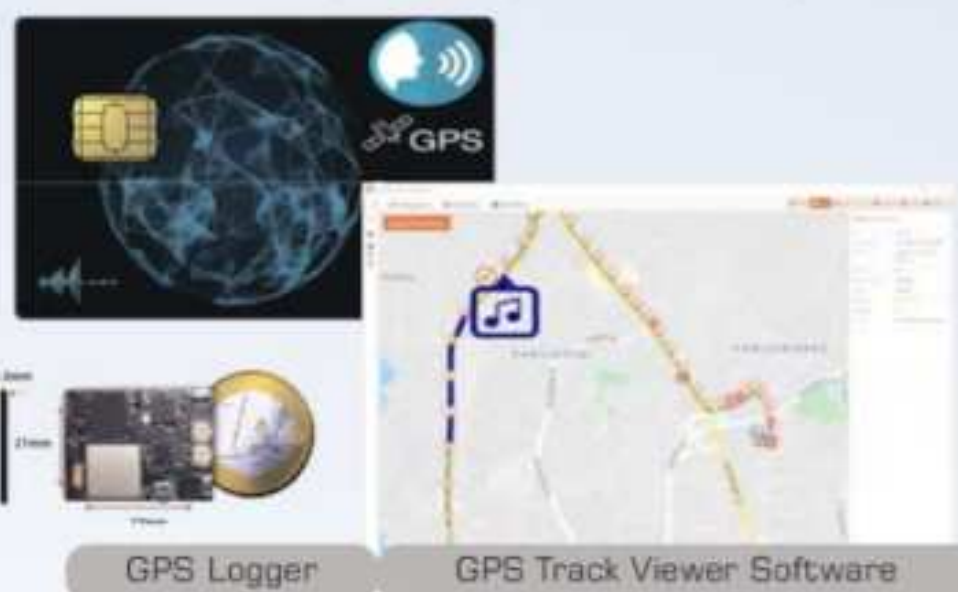


Key Features:

- Amberella S5L Chipset
- H264/H.265 video encoding
- Pre + Post recording options
- 4 core ARM Cortex A53 processor
- Boot up time <6s
- 2" LCD Screen
- Built In Memory 16-256GB
- Built In Flash light, Laser and IR Illumination
- Local file playback
- > 120° FoV
- Password Protection option
- Recording Encryption option
- Operational Temperature -30 to +60°C
- Built in or removable battery options
- IP67 (IP66 with removable battery)
- External camera support
- Built in Wi-Fi option supporting Onvif/RTSP stream

Sha-Ked Card

Audio | GPS | Bluetooth | NFC



Sha-ked card is an ultra-thin voice recorder disguised as a credit card that provides exceptionally high quality (48 kHz, 24 bit) audio recordings. The Bluetooth transmitter makes it possible to live-stream audio to a smartphone or a Bluetooth/3G relay.

Key Features

- Audio recorder
- GPS receiver
- Bluetooth transmitter
- NFC
- Storage: 16 GB
- Bit rate : 4 bit-24 bit
- Sampling rate : 4Khz-41 KHz
- Rec duration : 100 h (8bit@8KHz)
- Encryption : AES256
- Bluetooth range 30-50m
- GPS log each 1 h : 20 days

Noa A1

Miniature Size Audio Recorder

The tiny recorder can be easily hidden absolutely anywhere - mounted inside a wall or enclosed in a pen, placed in a car or sewn into clothes — the possibilities are countless.

Key Features

- PCB dimensions: 28 x 6 x 2mm
- Storage: 512 MB (Max 35 h)
- Consumption rates:
 - Recording : 1.1 mA (min)
 - Streaming : 1.7 mA (ave)
 - BT stand by : 0.035 mA (ave)
- BT download speed: 1 Mb/s
- USB transfer speed: 1 Mb/s
- 24 bit, 41KHz
- Voice activation, schedule
- Remote files upload
- Remote RF activation
- Proprietary file system
- AES-256 bit encryption
- Time stamp
- Watermark



Noa A2

Miniature Size Audio Recorder



The main features of the Noa A2 are:

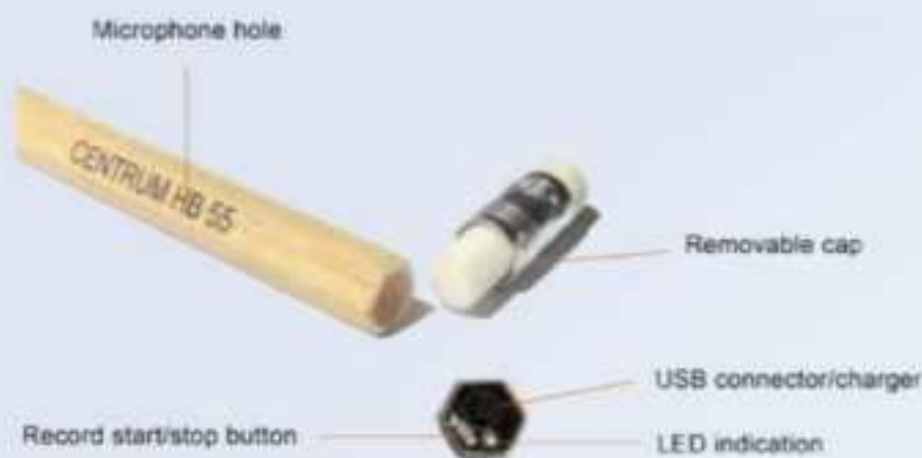
- Extended storage, now up to 32 GB
- Internal/external BT antenna ensures reliable audio stream and data transfer at the distance of up to 200m using special Android app
- The Bluetooth range can be increased up to 2.5 times using a 3G/BT micro relay
- External mike and an efficient audio codec
- Compatibility with Gedion Audio Server for remote management of multiple devices

Key Features

- Size: 18,8 x 19,8 x 5,2 mm /
- Storage: 32GB (Max 70 days)
- BT download speed: 1 Mb/s
- USB transfer speed: 2Mb/s
- Bluetooth Radio gain
- 3 - 130 mW- VOX : 0,9 mA /
- Recording: 3.4 mA - 5.5 mA
- Streaming 8kHz: 3.7 mA - 10.2 mA
- Data transfer: 13.7mA - 174 mA
- BT stand by : 0.06 mA - 0.76 mA
- 24 bit, 44KHz
- Trigger: Voice activation, schedule, BT activation, button
- Remote files upload
- Proprietary file system
- AES-256 bit encryption
- Time stamp
- Radio anti-sweeping mode / BT Hidden mode

Noa Pencil

Always Ready To Go



Noa Pencil is a miniature audio recorder with a BT transmitter for short term operation. It has a covert switch for activating recording manually and is capable of continuous recording for up to 35 hours.

The unit is housed inside a real pencil with which you can even sharpen.

Key Features

- Real pencil
- Storage: 512 MB (Max 35 h)
- 20 hrs Audio Stream duration
- 45 days BT standby duration
- Voice activation, schedule, BT activation & button triggers
- BT download speed: 1 Mb/s
- USB transfer speed: 2 Mb/s
- 24 bit, 41KHz
- Trigger: Voice activation, schedule, BT activation, button
- Remote files upload
- Encrypted BT communication / BT Hidden mode
- Proprietary file system
- AES-256 bit encryption
- Time stamp
- Watermark

Noa SDR

Covert SD Card - World's Smallest Audio Recorder

Noa SDR provides exceptionally high quality audio recordings which can be scheduled, automatically activated by voice, or activated by Bluetooth command.

The switch that is naturally present on the side can be used to trigger the recording process.

Key Features

- 24 bit @ 41 KHz audio quality
- 16GB internal memory
- LiPol battery - 13mAh
- Proprietary file system
- Rec memory 260 hrs (16bit @16 kHz)
- AES-256 bit encryption
- Bluetooth 5
- BT Hidden mode
- BT download speed -upto 1Mbit
- Audio stream up to 40 m (on Android device BT5)
- Can record while inserted into an SD slot
- Store and forward technology
- Can act as radio microphone
- Consumption rate - 1.3 mA while recording
- Battery & Memory status LED's
- Up to 10 hrs of continuous recording
- Remote control via Android app (configuration,download)
- USB speed - 30 Mbit



Noa 3G/Bluetooth Micro Relay

Remote Connection Device



System overlay showing Smart Host application and 3G/Bluetooth Micro Relay connecting Noa devices to a Remote Server.

Noa 3G/BT micro relay is designed to work with audio store and forward devices of the Noa series: Noa A1, Noa SDR & Sha-ked card.

The operator can make a GSM/3G call to listen to the recorder's environment, download audio recordings from the Noa device and configure it. The micro relay can be activated by a switch or its activation can be scheduled. This allows the operator to connect to a Noa device even if it is set to work in the hidden mode when no other TSCM device can discover it.

Key Features

- Quadband GSM/3G module (EU,NA, Asia, Australia)
- On/Off switch
- Bluetooth 5
- Rechargeable LiPo battery
- External antennas
- LED indication

Nevo Deep

Ultra-thin Voice Recorder With Radio Control



Nevo Deep was specifically designed for covert installation. It is just 1.4 mm thick, so it can be easily concealed anywhere: sewed into clothes, hidden inside a book or in furniture etc.

Key Features

- Size : 25*62*1.4mm
- Rec time on internal LiPol bat 2-5.5 hours
- External power supply - 2.2-5.5 V
- RF remote control up to 15 m.
- Audio resolution 16/24-bit
- Sample rate 8/16/24 KHz, also supports 4-bit ADPCM
- 3 mA in recording mode (average quality)
- 0.1 mA in standby mode (radio OFF)
- Max recording time 150 hours @8 KHz (ADPCM)
- Password protected access to the stored data
- VAS, Scheduled, manual recording modes
- Proprietary file system
- Digital Signature
- External microphone (optional)
- 4 RF channels

Kabuto AES Mini

Small Audio Recorder with Internal Battery

Kabuto AES mini provides around 25 hrs of continuous recording and supports Voice Activation and time scheduled recordings. It can also be set to wake up and record at exact dates and times or on weekly basis.

A special micro charger is supplied with the kit for charging and continuous operation. The recorder can be powered from an 5V external power supply to provide extended performance.

Key Features

Audio resolution	8 bit or 12 bit
Sample rate	5kHz - 48kHz
Compression	4bit ADPCM
Voice recording format	WAV
File System	FAT32
Encryption	AES128
Memory	microSD/SDHC (128GB max)
Power supply	Li-Pol, 180 mAh (rechargeable)



Kabuto AES



Kabuto AES Stereo

Nevo FX Radio

Audio Recorder



Nevo FX Radio

- Controlled with keyfob



Nevo FX Option

- Controlled with Touch swipe interface

Nevo FX Radio is a second generation of Nevo credit card recorder with RF remote control instead of swipe contact for different way of use and improved consumption rate.

Key Features

- Thickness : 1.5 mm
- Audio resolution 16/24 bit
- Sample rate 8/16/24 KHz
- Compression: none or 4bit ADPCM
- Radio controlled, 4 RF channels
- Radio range up to 15 m
- Up to 52 hrs continuous audio recording
- Memory 2 Gb - 150hrs@8 KHz (ADPCM)
- Voice activation with radio OFF - 8 days
- Password protected access to the stored data
- VAS, Scheduled, manual recording modes
- Proprietary file system
- Digital signature
- Customized graphics
- Supplied with a USB caddy to download recordings and manage configuration

EshDat

Audio Store & Forward



TX Unit

- Audio Live Stream
- Audio Live Stream with simultaneous recording on the transmitter
- Audio recording only, no RF activity
- Audio files transmission
- Standby

The system consists of a miniature voice recorder-transmitter and a radio receiver that provides full control over the recorder. The recording process can be activated according to schedules, VOX or by a radio command. By default, the radio module of the transmitter works only in reception mode — the data transfer starts on command from the receiver.

This enables prolonged device operation and protects the transmitter from being discovered by means of radio sweeping. The data transmission time can also be programmed.

Key Features

- AES-256 encryption
- Time stamp
- Live Stream
- Simultaneous recording and streaming
- VOX-activated or scheduled recording
- Programmable radio activity
- MicroSD memory up to 128 GB
- Two high sensitivity microphones for stereo audio
- RF range : 400-1100 MHz
- RF output : 10-1000mW
- Upload speed up to 1 Mb/s
- Stream distance : 600-700m LOS
- Operating distance : 1.1km LOS
- Data transmission distance : 200-300m LOS
- RF channels : 40
- 44 kHz, 16-bit audio
- External RF antenna
- Dimensions: 36x20.5x5.5 mm

Storm is a miniature voice recorder with a built-in Wi-Fi transmitter using 2.4 Ghz and 5 Ghz bands.

The recorder provides high quality audio (24 bit @ 44Khz) in mono/stereo recording modes.

Storm is capable of recording and transmitting audio files simultaneously. All data is encrypted with AES 256 bit and saved on microSD card up to 256 Gb capacity.

Storm can act as access point or client. The Wi-Fi module activation can be scheduled or triggered by remote RF control in a range of 500-1000m.


Key Features

Audio	
Audio resolution	24 -bit
Sample rate	8 kHz, 16 kHz, 44 kHz
VOX, Scheduled, RF control activation	Yes
Audio input	2 External microphones
Encryption	AES256
Digital signature	Yes
Data storage	Removable microSD card up to 256 GB
WiFi/Radio	
WiFi bands	2,4/5 GHz
Upload speed for 5GHz	30 mbit/sec
Upload speed for 2.4 GHz	20 mbit/sec
Wi-fi range	50-200 m LOS
Wi-fi mode	802.11 b/g/n (client mode)
Antenna	Internal/External
FTP mode	Client mode
Random MAC option	YES
Remote RF control	500-1000m
Physical parameters :	
PCB dimensions	51.8x26x5 mm
External Li-Pol battery	YES
Voltage input	3 - 30 V

Storm Wi-Fi

Miniature voice recorder



The image is a high-contrast, black and white photograph showing the silhouettes of three men in a room. The man on the left is standing and holding a handgun pointed towards the center. The man on the right is also standing and holding a handgun pointed towards the center. The man in the middle is crouching or running towards the left, carrying a large bag or suitcase. The background is a large window with sheer curtains, through which bright light is streaming, creating a strong backlight effect. The overall mood is tense and dramatic.

Compact 12v

DVRs

Manned/Unmanned Surveillance

Quattro Mini Pro

Digital Video Recorder

Supports 1080P AHD & Analogue D1 cameras



The Quattro Mini Pro offers a compact 4 channel DVR to compliment the range of video systems offered. The Quattro Mini Pro is suitable for long or short term deployment. The unit is a plug and play recorder and boasts a simple rapid deployment capability with its 8v to 32v operation making it appropriate for vehicles as well as 230v power applications.

Key Features:

- H.264/H.265 real time recording @ 25fps (PAL)/30 fps (NTSC)
- 4 Channel 1080p AHD @100/120fps
- 100-8000 kbps for each camera
- 4 Channel real time D1 resolution 720x576 (PAL) /720x480 (NTSC)
- Total record source up to 100/120 D1 frames per second
- Frame rate adjustable for each channel
- Supports 4 channel audio recording
- G711 codec audio compression
- Compatible with all Sonic HR10 cameras (5V & 12V)
- Use ignition sense to control power on/off
- Pre and post record function via Alarm switch
- Schedule, Auto and Manual Record
- Supports SD Memory Card Up to 512GB (Class 10/U1 or above)
- Supports Flash Drive (USB) up to 512GB
- Supports SSD Hard Drive (Max. 1TB)
- Supports power input of 8V to 32V 5 Watts (No cameras)
- GPS location data overlay (RS232)
- Network enabled (RJ45)



Optional hPlayer Software



H.265 DVR PRO

Digital Video Recorder



The H.265 DVR Pro offers a compact 4 channel DVR to compliment the range of video systems offered. The H.265 DVR Pro is suitable for long or short term deployment. The unit is a plug and play recorder and boasts a simple rapid deployment capability with its 8v to 32v operation making it appropriate for vehicles as well as 230v power applications.

Key Features:

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- 100-8000 kbps for each camera.
- 4 Channel real time D1 resolution 720x576 (PAL) /720x480 (NTSC)
- Frame rate adjustable for each channel
- Supports 4 channel audio recording
- G711 codec audio compression
- Use ignition sense to control power on/off
- Pre and post record function via Alarm switch
- Schedule, Auto and Manual Record
- Supports SD Memory Card Up to 512GB (Class 10/U1 or above)
- Supports Flash Drive (USB) up to 512GB
- Supports power input of 8V to 32V 5 Watts (No cameras)
- GPS location data overlay (RS232)
- Network enabled (RJ45)

AfterBurner 4

Digital Video Recorder



AfterBurner-4 utilises efficient H.264 providing HQ images coupled with long record times. The record times can be extended further by using time-lapse modes, or by selective recording using internal video motion detection, timers etc. Evidence is burnt to write-once DVD or Blu-ray discs or optionally to a removable SSD drive for rapid retrieval. All files may be SHA256 hash coded by AfterBurner-4 to provide an evidential audit trail.



Key Features:

- Evidential video & audio recorder for police surveillance operations
- 4 x SD or 1 x HD video inputs
- 500 GB Internal hard disk drive
- Records to Blu-ray / DVD optical disc or optional removable SATA SSD
- SHA256 hash coding of recordings
- Ethernet and WiFi interfaces
- RTSP streaming to video management systems such as Milestone, Genetec, Crossfire etc
- Ethernet and WiFi interfaces
- Easy upgrade from AfterBurner 1&2: same footprint and similar operation



AfterBurner IP

Digital Video Recorder

Key Features:

- Records two full HD IP cameras at full frame-rate @1080p
- Simultaneous RTSP restreaming at configurable resolutions and frame-rates into video management systems such as Milestone.
- Removable SATA drive up to 2TB:
 - Evidence is recorded as MP4 files with SHA hash codes
 - Hot swapping of drive whilst recording.
 - Optional AES encryption of removable drive
- Optional HDSOI video & audio input
- Records two audio channels sourced from local microphones, RTSP streams or HDSOI inputs
- Local front panel and webpage user interfaces similar to FlashBack-4 / AfterBurner-4.
- Interfaces to Server for secure connection to deployed devices with file upload including store & forward

AfterBurner-IP is a 2 channel IP video recorder which has been specifically designed for video surveillance evidence gathering in law enforcement applications.

Full resolution local recording AfterBurner-IP records 2 IP cameras at full HD (1080p -MP4) resolution to a removable SATA drive of up to 2TB. The product features internal motion detection, multiple timers and a flexible trigger system.

The system comes complete with free server software to control playback and make the connection to remote devices from an unknown IP address quick and secure.

Whilst recording, AfterBurner-IP can re-stream the two cameras to video management systems (VMS) such as Milestone with configurable frame-rate and resolution.

AfterBurner-IP is Onvif-s compatible so interfacing to VMS is simple and PTZ cameras are supported as standard.

X300

Digital Video Recorder



The low power and silent operation make the X300 perfect for covert lifestyle surveillance. Using the motion detection feature the X300 is ideal for long-term crime investigations. With removable "hot swappable" shock mounted data cartridge and optional SD card, daily footage retrieval is quick and simple. Furthermore, the encrypted watermarking gives security for evidence and prosecution.



Key Features:

- Single button start/stop recording or auto record on power-up
- Recorder status indicators (6 LEDs)
- Simultaneous record, playback, Live View and file download
- MPEG based format, full image update
- Removable hard disc media cartridge – lockable
- Simple, intuitive menu system with help screens



Key Features:

- Proprietary video file format XBA
- Each image watermarked (SHA-2 AES Authentication – 256bit)
- Optional embedded GPS position & speed
- Normal, continuous, alarm and motion triggered recording
- 7 day programmable timer recording
- Local playback using optional X201 reviewer – Rewind, replay, stop, play, fast forward and jog functions
- Local set-up and configuration using optional X201 reviewer
- Image search by time/date or file name
- File download via Ethernet (FTP)
- Quick review alarm event footage markers
- PC live view, review, download & storage
- Remote control via RS232 and Telnet interface
- PTZ camera control for Pelco D & P and Visca via 3G or reviewer



X500

Digital Video Recorder



X500 DVR Front



X500 DVR Rear

The X500 hybrid recorder is ideal for use in covert, mobile and law enforcement surveillance applications. The X500's High Quality Audio provision includes 4 studio-quality audio inputs, enabling "gunshot to whisper" audio recordings. Providing 4 analogue camera inputs and 4 IP cameras, the X500 gives users the option of high-quality IP camera footage.

Key Features:

- Dual analogue and 4k IP camera recording
- H264 video compression (H265 future-compatible)
- 48000Hz, 24bit audio recording x4
- SHA-2/AES-256 watermarking
- Normal, continuous, motion and alarm-triggered recording
- Low power, silent operation
- Built in power supply, timer shutdown and Gsensor
- Optional GPS
- PTZ support
- Up to 2TB recording media with additional backup SD card
- Removable hard drive
- Quick install, compact, integrated one box solution
- Easy-audit and Playback with local Reviewer
- Fully-compatible with Timespace PCLink and LANLink software for footage review and download

Surveillance Cameras

Colour/Monochrome/Low Light



CVBS/HD-SDi Extreme Low light Camera

Key features:

- 2/3" Type Internal Multi Sampling Circuit
- 800TV Lines – Colour
- 1000TV Lines – Black & White
- 1080P @25fps
- 0.0001 lux (Colour)
- 0.00001 lux (B+W)
- Dynamic Range – 85dB
- -20°C + 55°C Working Temperature
- Current Consumption - 350mA
- 62.5x44.5x75mm w/o lens

Mini 1080P WDR IP Cameras



Optional lenses, 50, 75 & 100mm

M12 Lens

Pinhole Lens

Key features:

- 1/3" Megapixel CMOS chip
- 1080P/720P (@25fps. h.264).
- Supports Dual-streaming
- 0.001 Lux
- 3.4mm, 4.3mm or 6mm Pinhole lens
- 2.5mm, 2.8mm, 3.6mm, 6mm, 8mm, 12mm or 16mm M12 lens
- 50mm, 75mm or 100mm C/CS mount lens
- > 50dB S/N Ratio
- -20°C + 50°C Working Temperature
- 5-12v DC, 2.5W
- 30 x 30mm

Sonic's New in-house designed Pan & Tilt unit now available for selected cameras. Contact us for more information.



360° PTZ Cameras OMNi

Omni Range



Mini

- 670 TV Lines
- 3.06mm-122.4mm lens
- 40 x Optical Zoom
- 12 x Digital Zoom
- 0.6 Lux Colour
- 0.01 Lux Monochrome



Micro

- 750 Tv Lines
- 5.1mm to 51mm Lens
- 12 x Optical Zoom
- 10 x Digital Zoom
- 0.15 Lux Colour
- 0.01 Lux Monochrome



Nano

- 750 Tv Lines
- 6,8,12,16-25mm lens
- Digital Day/Night
- 0.1 Lux

Cameras can be supplied with interface to suit alternative protocols

OMNiSCOPE

Key features:

- Day/Night, 670TVL Camera
- 40x Optical, 12x Digital Zoom
- 360° Continuous Rotation
- Motorised Up/Down (Adjustable Height)
- +/- 15° Tilt
- 0.6 Lux Colour, 0.01 Lux Monochrome
- Frame Integration
- RS485/232/Pelco D Supported
- Compatible with all Sonic Video Systems



Sonic Ultra Low Light Camera



Optional PTZ rugged housing

- CCIR Low Light analogue camera
- 570 TV lines
- 0.00003 Lux at F1.0
- Fitted with a Computer motorized 21x Optical Zoom lens 5.8-121mm
- (H)82mm (W)104mm (D)220mm
- Designed for analogue camera systems



- Onvif Profile S compliant
- Stream up to 1080p60
- High Profile H.264/265 compression
- Compatible with a range of VMS
- Compatible with range of Encoders
- Dual video stream
- Analogue camera option available

IP Bullet Camera

Covert Surveillance Cameras

Key features:

- 1/2.8" 2.07 Mega Pixels Sensor
- 3.97mm, 6mm, 8mm, 12mm & 16mm Lens options
- 0.005 Lux
- H.264 / MJPEG Streaming
- Upto 1080p @ 30fps
- Onvif Compliant Profile S
- Built in micro SD slot
- Option: POE Cable (Weatherproof type)
- -10 to 50°C Working Temperature
- -20 to 60°C Storage Temperature
- DC 12V, 1.8W
- Ø21.5 X 95.5mm



3.97mm



25mm



50mm

OTG USB Camera

Covert Surveillance Cameras

Key features:

- 1/4" WXGA HD 720P Camera
- 4.0mm/F2.0 or optional 8mm (Button Lens)
- 3.0mm/F2.4 (Built-in lens)
- >58dB S/N Ratio
- Connects PC via USB 2.0 port with Driver free Plug & Play
- TCP Video MJPEG stream
- Upto 720p MJPEG 30fps
- Mounting Holes for fixings
- -10 to 45°C Working Temperature
- -30 to 60°C Storage Temperature
- DC 5V, 150mA
- 40.7x10.3mm



Heavy Duty & Ruggedized



Available pin-hole lens kit

Unit compatible with Digital Barriers EdgeVis Mobile Client & Vemotion Encoder Apps

Micro Cameras

Covert Surveillance Cameras



We have a Miniature Camera brochure, filled with all of the variants available, complete with a comprehensive specifications chart for each model. For more information, please request a brochure, either via Email (PDF) or request a hard copy to be sent to your address.

Cable assemblies can be terminated to suit specific Customer requirements, with the default connector being a 4-Pole 2.5mm jack, which is compatible with DVR's such as the PV500 Neo and other similar models.

Extension leads and other terminations are also available so please contact our Sales Team for any special requirements.



● Camera Hosts

Bodyworn, Hand Carried & Static

MONSTER CANS & BOTTLES
RETAIN THE ABILITY TO
DRINK!



Sonic Communications offer a range of pre-manufactured covert camera/DVR embedded hosts. Cans and bottles can be provided in a range of options of appearance, alternatively cans/bottles can be provided by the client to offer locally specific features to assist the covert appearance.

The examples shown accept a range of cameras/DVRs/Transmission/power options to suit client requirements. Please contact SONIC Communications to discuss the range and your requirements.

● Vehicle Camera Hides

Deep fit Installations & Rapid Deployment Kits

Sonic Communications (Int) Ltd offer a wide range of covert IP and analogue self-contained camera solutions as well as hides for vehicle surveillance systems. A small example of some of our popular camera hides are shown here.

Each device can be tailored to suit operational requirements.

- PTZ baby seat analogue or IP camera
- PTZ amber roof light
- PTZ headrests analogue or IP camera
- PTZ Mirror analogue or IP camera
- 4 analogue or IP camera Scooter Top Box system
- Phone holder camera
- Monovision and signage camera hides
- Baby on board, self-contained camera and DVR
- VW badge covert camera
- Concealed cameras within top box
- Magnetic quick-release "Shark-Fin" antennas





Rear View Mirror Cameras



Note: Please check the mounting version required for compatibility with the vehicle, prior to ordering.



Rear View Mirror Dual Camera

Surveillance Dual Camera System

- Forward facing, dual cameras
- Provides a wide & narrow FoV
- 12v operation, (6-pin Hi-Rose)
- 1x colour, 1x day/night (options available)
- 1x 70mm lens, 1x 8mm* lens (*options available)
- Camera changeover using anti-glare switch

- Fully functioning rear view mirror for rear observation
- Allows manual pan & tilt of camera
- Suitable for integration to all types of Surveillance Platforms



Scorpion+ 4G



Raven II control system



8mm Lens



70mm Lens



Example images are shown as a guide and are based on the use of a colour 8mm lens and a Day/Night 70mm lens at a subject 65M distance.

Pan Rear View Mirror Camera

Surveillance Camera System

- 1x day/night or monochrome, 25mm lens
- Optional additional static day/night or monochrome camera, pinhole 3.7mm lens or 3.6mm, 6mm, 8mm glass lens
- 12° horizontal FOV
- 100 deg horizontal pan FOV
- 12v operation, terminated to 16 way screwlock for direct connection to Scorpion+

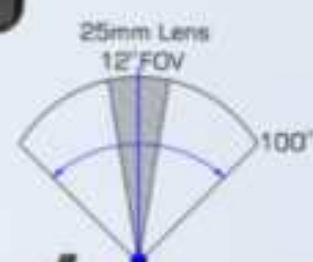
- Fully functioning rear view mirror for rear observation
- Allows remote pan of camera position
- Suitable for integration to all types of Surveillance Platforms



Scorpion+ 4G



Camera Control System

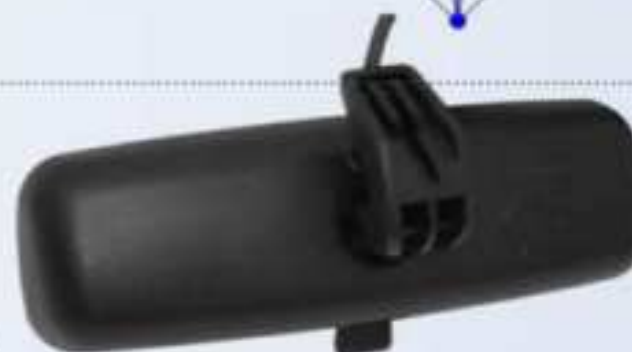


Rear View Mirror IP Camera

Surveillance Camera System

- Covert IP Camera, 1080P
- 1/3" CMOS Sensor
- Pinhole 3.7mm, F2.5
- Horizontal field of view - 91°
- Vertical field of view - 45°
- 0.25 Lux
- H.264
- 1920x1080 (1080P)
- WDR Option
- Password Protection

The IP-RVM camera sensor can operate with the AXIS FA54 Main unit which can stream full frame rate HDTV 1080p video from up to four sensor units simultaneously using a single IP address also supporting a quad camera sensor stream.



IP (1080p) Pan Rear View Mirror Camera

Surveillance Camera System

- 1/3" 2.12MP CMOS sensor
- Full HD - 1080P image
- 25mm lens, F2.4
- 12° Horizontal FOV
- Minimum illumination 0.2 Lux
- High profile H.264 video
- Stream up to 1080p 25/30
- 100 deg horizontal pan FOV
- 12v Operation, 2.1mm power connector & RJ45

- Fully functioning rear view mirror for rear observation
- Allows remote pan of camera position
- External PoE or +12v D/C (11 - 16v D/C)
- Onvif profile S compliant



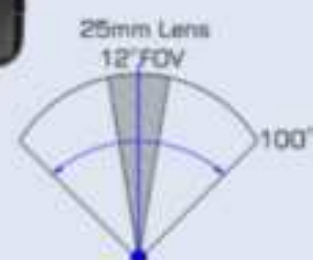
Scorpion IP



RDS470IP



RDS150IP



Analogue Camera Headrest

Surveillance Camera Host



With 4x viewing apertures, it can be used in a wide variety of vehicles owing to its adjustable mounting pillar system and can be supplied with interchangeable coloured covers.

The Analogue Camera Headrest is a Day/Night camera solution and can be used as part of a vehicle surveillance system such as our popular RD camera control system as shown below.

Key Features:

- Standard Option
 - 550 TV Lines
 - 36 x Optical Zoom
 - 12 x Digital Zoom
 - 1.4 Lux
- Enhanced Option
 - 670 TV Lines
 - 40 x Optical Zoom
 - 12 x Digital Zoom
 - 0.6 Lux

IP Camera Headrest

Surveillance Camera Host



The IP camera headrest is a rapidly deployable, covert high resolution Day/Night camera solution with 4x viewing apertures. It can be used in a wide variety of vehicles owing to its adjustable mounting pillar system and can be supplied with interchangeable coloured covers.

The IP camera headrest is ideal for use with our RDS470IP or Scorpion IP RD surveillance system and with Video Management Systems such as Milestone.

Key Features:

- 1080P
- 30 x Optical Zoom
- 12 x Digital Zoom
- 0.1 Lux
- PoE or 12v D/C options
- Onvif Profile S

The Mini housing enables a concealed IP camera to be used for vehicles with a much smaller headrest therefore expanding the range of suitable makes for surveillance installations.

The headrest measures just 230mm wide whereas the standard chassis measures 285mm across.

Not compatible with Scorpion Mini encoder or IP250.

IP250 Camera Headrest

Surveillance Camera System



The camera headrest is a rapidly deployable, covert high definition camera with 3 x viewing apertures. It can be used in a wide variety of vehicles owing to its adjustable mounting pillar system and can be supplied with interchangeable coloured covers.

Key Features:

- Day/Night HD Camera, 0.1/0.006 lux, 1080P, 30 x Optical Zoom, 12 x Digital Zoom
- Integral IP250 TVi Encoder
- Integral 4G Modem
- External USB port for recording media/Wireless modem
- External LAN port for Configuration
- DC cable fly lead (9-18v DC)
- Supports the EdgeVis Local Viewer software

Scorpion Mini Camera Headrest

Surveillance Camera System

Simplicity of operation makes the Scorpion IP Mini a compelling choice, especially as the Wi-Fi, GPS and LTE modems are all contained within such a compact package. The unit also makes full use of all 4 apertures to view out of.

Scorpion IP Mini Headrest can be used in a wide variety of vehicles owing to its adjustable mounting pillar system and can be supplied with interchangeable coloured covers.

Key Features:

- Day/Night HD Camera, 0.1/0.006 lux, 1080P, 30 x Optical Zoom, 12 x Digital Zoom
- Built in recording onto removable Micro SD card.
- Built in 4G Modem with access to SIM card slot (upto 256GB).
- Built in 4G, Wi-Fi and GPS antennas
- Optional camera view & control over Wi-Fi
- Optional camera view and control over Wired Hand Controller
- External HDMI and USB setup ports



IP Camera Centre Headrest

Surveillance Camera Host



RDS470IP



Scorpion IP

The IP camera centre headrest is a rapidly deployable, covert high resolution Day/Night camera solution with a rear viewing aperture. It can be used in a wide variety of vehicles owing to its adjustable mounting pillar system and can be supplied with interchangeable coloured covers.

The IP camera centre headrest is ideal for use with our RDS470IP or Scorpion IP RD surveillance system and with Video Management Systems such as Milestone.

Key Features:

- 1080P
- 12 x Optical Zoom
- 10 x Digital Zoom
- Day Mode :0.15 Lux @ F1.5
- Night Mode :0.01 Lux @ F1.5
- PoE or 12v D/C options
- Onvif Profile S

ANPR Headrest

Surveillance Camera Host



The ANPR headrest can be used in a wide variety of vehicles owing to its adjustable mounting pillar system.

The ANPR Camera Headrest is a Day/Night camera solution and can be used as part of an ANPR Solution using ANPR Software such as Vaxtor.

Key Features:

- 1080P
- 30 x Optical Zoom
- 12 x Digital Zoom
- 0.1 Lux
- PoE or 12v D/C options
- Onvif Profile S

ANPR Key Features:

- Web based application & SQL database
- Alarm notifications
 - E-mail
 - On-screen
 - Pushbullet (3rd party mobile app)
 - Blacklist
- User based access
- Full audit trail of actions
- Super search function
- Master/Slave architecture
- Access control using Whitelist or logic based
- Configurable schedules
- Full API available for third party integration



Designed to work with ANPR software



for close quarter surveillance in areas with restricted vehicle access

The discrete appearance offers less potential for compromise than other vehicles might and is a more rapid option than establishing a fixed observation post.



Covert Camera Top Box Rapid Deployment Surveillance Solution

The quick releasing "Givi" or similar, motorcycle/scooter top box is equipped with 4x cameras, microphone, DVR, GPS and video streaming equipment.

The unit offers wide field of views with full colour recordings, low light, analogue and IP camera alternatives all of which are recorded locally simultaneously enabling forensic review.

Images can be streamed as a quad image with any of the 4 cameras selected as a second streamed image option.

The top box imagery is accessible via GSM enabling control of the equipment from a nearby position using a smart phone, or from anywhere globally (with connection to internet & server).



* "Givi" Scooter Topbox system can be supplied with a variety of encoder options including:

- A= HD IP or analogue cameras (X4)
- B= Tracer Battery 22A/h
- C= Camera Interface
- D= H.265 DVR (up to 512Gb)
- E= S400 Analogue system (Dual input Encoder)*
- F= Wi-fi antenna



IP150
Dual channel
IP system



IP200
Single channel
IP system



IP470
4 to 8 channel
IP system



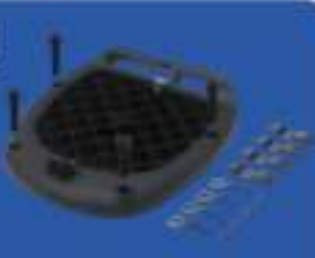
Scorpion Mini IP
Dual channel IP
system

NOTE: Items provided may differ in appearance to those illustrated.

A discrete socket enables alternative batteries under seats or within panniers (available as an additional cost option)



Locking plate is supplied to enable rapid transfer between host motorcycles eg touring motorcycle to city scooter



Raven 2 Lite

Camera/DVR Control Units

The Raven 2 Lite is designed as a rugged and rapid deployable solution to control up to 2 Pan & Tilt cameras associated with a static camera hide or a vehicle based covert video installation.

In addition, the Raven 2 Lite enables the user to connect a hand held remote control with spotting screen and provides 3 BNC connections for monitors and a DVR.

The unit can be powered from a 12v source either from the vehicle direct, or from our 25a/h transportable battery packs.

Key Features:

- 12v surveillance equipment can be powered from our range of transportable battery packs
- 2 Pan & Tilt cameras day/night or static colour or monochrome
- Ruggedised hand controller high resolution 2.5" LCD screen for spotting & playback
- Three BNC connections
- Used with a variety of cameras & hides including Sonic's range of Omni cameras



Raven 4 builds on the success of the Raven series, providing two further camera input ports enabling up to 4 PTZ and/or fixed cameras to be added to the system. Its modular component form provides clients with unlimited options for accessory integration on their deep fitted project.

Key Features:

- Dual PTZ camera capability
- Dual controller capability RS-232, RS-485 & GPS data connections Camera, control & network video outputs
- Supports external DVR and transmission devices
- Optional RJ45 network connection for live Onvif compliant video streaming and PTZ control
- Control capability of external Recorder
- 4 x user configurable digital input & output ports
- On screen display system set-up via hand controller/ RS-232 or network connection, including scheduler
- 12v power enables in vehicle use, battery or domestic 230v power supply using supplied AC/DC PSU



Raven 4

Camera/DVR control units

Scorpion+

Camera/DVR control units

The Scorpion accepts 6 PTZ video inputs providing a comprehensive modular system. Optional features enable custom built systems to meet each clients specific requirements. Offered in a robust enclosure with cabled enhanced hand controller with screen.

Key Features:

- 6 day/night Pan & Tilt cameras or 6 static colour (or monochrome) or a combination of the two
- Dual Hand controller capability
- RS-232, RS-485 data connections
- Optional Internal Video Server for use with Sonic Virtual Hand Controller
- RJ45 network connection for live Video streaming, DVR control, camera and system set-up (requires internal Video Server)



- Optional Internal Video Quad/Picture in Picture Display
- Set-up via On Screen Display (OSD) menu via Hand Controller
- Weekly Record Scheduler (requires internal DVR)
- 4 x User Selectable Digital Inputs

RD Surveillance System

Rapid Deployment

The system is presented in a rugged pelcase with each component protected by a custom cut foam. Available with a range of options for camera control, DVRs and cameras (Colour changeover, mono, thermal) the RD Surveillance System is a flexible solution for rapid observations.

Key Features:

- Rugged hand controller for control of PTZ functions
- 5.6" monitor screen
- Rapidly deployable system interface for hand controller, camera & video connection
- BNC socket, providing composite video output
- Can be connected to all types of video recorders with composite video input
- Auxiliary socket providing power, video & optional auxiliary data connections
- Can be powered from a vehicle or an auxiliary battery pack



Compatible with
Sonic Enhanced
Control Unit



Scorpion IP Mini

Video Surveillance System

The Scorpion IP Mini surveillance system is a single camera input device which is also capable of 3G, 4G and Wi-Fi.

Scorpion IP Mini can work as an independent system directly interfacing with IP camera inputs offering camera control and recording capabilities locally, over Wi-Fi and Cellular connections. Scorpion IP Mini can also seamlessly integrate with existing analogue camera control systems such as the Scorpion+.

Key Features:

- Complete Single HD Camera System
- 1 x Gigabit Ethernet for HD video in
- 1 x HDMI port (resolution up to 1560x1600 @ 60Hz)
- Optional Built in GSM LTE Modem or Video Encoder

- 1 x SIM Card slot (with internal LTE modem option)
- Supports removable SD card up to 256GB
- 1 x USB 3.0 port, 1x USB 2.0 port for the following:
 - USB keyboard and monitor
 - USB to Serial RS232 adapter
 - File transfer
 - Extra storage capacity
- Video Streams out Default is 1 stream output
- 4 x SMA connectors (with LTE Modem fitted)
- 2 x Cellular (with LTE Modem fitted)
- 1 x GPS
- 1 x Wi-Fi
- 12V @ 12W input DC
- 122mm (W) x 76mm (H) x 43mm (D)
- 287g
- Configurable recording parameters – per unit
- 0 to 60°C Operating Temperature
- -20 to 75°C Storage temperature
- 95% @ 40 degrees Humidity Operation
- Windows 10 IoT Enterprise 64-bit



The Scorpion IP surveillance system harnesses all of the transmit and receive capabilities such as 3G, 4G and Wi-Fi and offers the operative with simultaneous broadcasts which gives the operatives full flexibility over the control of the covert cameras.

Scorpion IP can work as an independent Hybrid system directly interfacing with IP and analogue camera inputs offering camera control and recording capabilities locally, over WiFi and Cellular connections. Scorpion IP will also seamlessly integrate with existing analogue camera control systems such as the Scorpion + Camera control system.

Key Features:

- Intel Core i7 64-Bit, 8Gb Ram
- GPS Dead Reckoning & G-Sensor option
- 9V - 32V DC Input Smarter Vehicle Power Ignition
- Supports 4 channel D1@120fps for Analogue Cameras
- Compressed Optimised H.264 for Analogue Cameras
- Supports 4 1080P/720P IP Camera Inputs
- Local Hi-Res/HD recording (SATA SSD or USB HDD)

- 4 x Analogue Cameras Recorded at D1 @120Fps
- 4 x IP Cameras Recorded at 1080P/720P
- Hot Swappable SATA Storage
- Audio Input Supported on IP Cameras
- Local view & camera control option
- Remote view & camera control option (Wi-Fi &/or LTE)
- Client Server Architecture
- Mobile applications
- Integrate with existing infrastructure & VMS platforms
- SSL Encryption & Certificate Authentication



GSM Smart Command



GSM Smart Command

The Sonic GSM Command module allows the user to remotely enable power to the camera control system, recorders and egress systems over the GSM cellular network.

The Sonic GSM Smart Command maximises deployment times of unattended observation vehicles and reduces the number of regular site visits.

The application used to control the GSM Command Module provides the user with the ability to remotely set a schedule for key components to become active at any time and day. It is also possible to receive status reports regarding temperature, power status of batteries and operational status of key devices.

The GSM Control Unit is available as a stand-alone item providing access to 3 x switchable relay contacts along with temperature and battery monitoring.

Key Features:

- GSM module allows remote control from an Android mobile phone
- GSM Command has 6 sets of Switchable Relay
- GSM Control has 3 connections (N/O, Com, N/C)
- Independent Latching or Momentary relay control (GSM Control only)
- 3 x Monitored Digital Inputs (GSM Control only)
- External microphone socket (GSM Control only)
- External power monitoring (10-18v D/C)
- External temperature monitoring
- Internal battery status GSM Control Only
- External Battery Status
- Internal microphone
- Audio disable function
- Status and alarm text messages
- Schedule functions. (record, power on/off)

GSM Control unit

GSM Command Module



Sonic Enhanced Control Unit

Scorpion+ 4G

Compact Video Surveillance System

Key Features:

- The system can be powered from the vehicle or an auxiliary 12v power source
- Ruggedized Transportable Case
- 4x PTZ/fixed cameras, compatible with the full range of Sonic EOS Cameras
- Ruggedized hand controller with joystick control for pan & tilt
- Records all 4 cameras @D1 full frame rate onto removable SSD media
- A full range of cameras & hides are available, including the Omni range
- Optional desk controller complete with 5.6" TFT spotting screen
- Secure live video & audio transmission in locations with very low bandwidth (supports 9Kbps to 1Mbps)
- LTE Modem with Dual SIM support
- Full vehicle installation facilities within our specialist vehicle installation workshop

"SCORPION+ 4G" offers a variety of options to suit client preferences for recording (SD card, thumb drive or external SSD) and streaming over LTE with Dual SIM failover support.

Secure WiFi options enable cable free local camera/recorder control and live view to laptop or tablet devices.



Sonic's "SCORPION+ 4G" is a highly portable, flexible camera control system. Its compact size and "plug and play" operation enables discrete installation in vehicles, premises or temporary hides.

Scorpion IP Transportable

Video Surveillance System

| 3G | 4G | WiFi



The Scorpion IP hybrid surveillance system offers the operative with simultaneous broadcasts which gives the user full flexibility over the control of the covert cameras.

Built within a rugged case, the unit can be switched between vehicles with pre-installed camera hides installed by Sonic Communications (Int) Ltd.

Unit able to accommodate existing analogue cameras while still providing IP capability

Key Features:

- Intel Core i7 64-Bit, 8Gb ram
- GPS Dead Reckoning & G-Sensor option
- 9V - 32V DC input smart vehicle power ignition
- Supports 4 channel D1@120fps for analogue cameras
- Compressed optimised H.264 for analogue cameras
- Supports 4 1080P/720P IP camera inputs
- Local Hi-Res/HD recording (SATA SSD or USB HDD)

- 4 x Analogue cameras recorded at D1 @120Fps
- 4 x IP cameras recorded at 1080P / 720P
- Audio input supported (Via IP camera)
- Local view & camera control option
- Remote view & camera control option (Wi-Fi &/or LTE)
- Client server architecture
- Mobile applications
- Integrate with existing infrastructure & VMS platforms
- SSL Encryption & Certificate Authentication

RDS470IP

Video Surveillance System



IP470 & full range of Digital Barriers products available separately



RDS150IP 2 channel variant also available



The RDS470IP is a rapid deployment system based around the TVI IP470 from Digital Barriers, which provides high quality 8 channel, IP resilient real-time streaming, with low latency and AES 256 encryption, to allow remote viewing and telemetry control over existing in-Country mobile 3G/4G LTE phone networks.

The IP470 encoder is combined into the RDS470IP transportable case, to provide a full video surveillance capability with egress, allowing the connection of up to 8 cameras in a ruggedised case, to provide an easy to install solution for both vehicle and fixed observation point surveillance.

The RDS470IP can record the IP cameras in H.264 format. Records onto an integrated 1TB SSD (9 days 10fps @3Mbps for 4 camera) or optional external thumb drive/SSD.

- Internal GSM Command, to allow remote switching and status reporting using a mobile phone
- Internal WiFi router for local view and control

For longer operational deployments, alternative power supply options can be provided, as can full design, installation and commissioning at our Birmingham Specialist Vehicle Installation Workshops.

Optional built in GSM Command

- Remote system power control
- Remote Wireless Router power control
- Battery & temperature status

Optional built in Wireless Router

- RDS470IP set-up over wi-fi
- Local live view of cameras
- Web based configuration of cameras
- Control streaming/recording settings



Scorpion IP470

Video Surveillance System



The Scorpion IP470 combines the capabilities of both the Scorpion IP Transportable and the RDS470IP.

The benefit of this is that the operative can take full advantage of the local view and control of the Scorpion IP with the streaming and remote recording capabilities of the IP470.



Left side connections



Right side connections



Covert IP Cameras (Colour, 1080P)



Server



The RD1200IP Video Surveillance System is an all in one deployment solution supporting connectivity, recording and onward transmission and remote control of a single HD IP camera.



RD1200IP-Features

- Built in Encoder/NVR (IP200/Scorpion)
- Built in LTE modem
- MIMO LTE Antenna connections
- GPS Connection
- Wi-Fi Connection
- Single IP Camera input
- PoE camera support (IEEE 802.3af)
- Built in 22Ah LiPo Battery
- Built in battery gauge
- External Encoder USB Port
- External 12v Power input
- External Charge input
- Dimensions - 280mm x 246mm x 124mm
- Weight - 4kg



RD1200IP-IP200 Option

- Built in IP200 Encoder/NVR
- USB Storage Media
- Run time - 13 hours approx. (Recording c/w PTZ camera)



RD1200IP-Scorpion Option

- Built in Scorpion IP Mini Encoder/NVR
- Removable Micro SD Storage
- USB Storage Media option
- Run time - 12 hours approx. (Recording c/w PTZ camera)

RD1150 HD

Video Surveillance System

The RD1150HD case is a standalone rapid deployment solution featuring a 4-channel AHD/SD DVR supporting up to 4 x 1080P AHD/SD cameras. It supports connection of USB SSD's up to 256GB for file storage with a built in rapid record switch. It features a built in 22aH LiPo battery with battery gauge along with external charge and DC power options.



Key Features:

- Built in 4-channel AHD/SD DVR
- H264/H265 compression options
- Built in 22aH LiPo Battery
- Built in battery gauge
- Built in Record enable switch
- Supports USB SSD up to 256GB
- Auto/Schedule/Alarm Trigger record
- Pre + Post Alarm record time options
- Trigger, Speed + G-Sensor alarm inputs
- File encryption option
- Playback software for
 - Multiple cameras
 - Decryption
 - Location
 - OSD menu setup via USB
- External 8-32v D/C Power input
- External Charge input
- External Monitor port
- External GPS support (via AUX port)
- GPS supports GPS/GLONASS/BEIDOU
- External Record Trigger (via AUX port)
- Dimensions – 252mm x 198mm x 111mm
- Weight – 3.2kg
- Operational Temperature – 0-50°C

Top view showing 4-channel DVR



The RD1150IP Video Surveillance System is an all in one deployment solution supporting connectivity, recording and onward transmission and remote control of a single HD IP camera. The modem is hot swappable.

Key Features:

- Built in Scorpion Mini IP / IP200 Encoder
- Hot swappable LTE modem
- MIMO LTE Antenna connections
- GPS Connection
- Wi-Fi Connection
- Single IP Camera input
- PoE camera support (IEEE 802.3af)
- Audio Input supported (Via IP Camera)
- Local control options over Wi-Fi and / or LAN adapter with client Software (PC / Tablet / Smartphone)
- External Encoder USB Port
- 12v Power input
- Dimensions – 260mm x 200mm x 110mm
- Weight - 2kg



Top view showing Teltonika Rut240 changeable modem

Optional Modems:

- Teltonika Rut240
- Pepwave Max-BR1-mini
- AirLink RV50



RD1150IP-IP200 Option

- Built in IP200 Encoder/NVR
- USB Storage Media

RD1150IP-Scorpion Option

- Built in Scorpion IP Mini Encoder/NVR
- Removable Micro SD Storage
- USB Storage Media option



RD1150 IP

Video Surveillance System



Pre-Configured plug & play.

Tactical Support Desk (Portable)

Rapid Deployment "Surveillance Operations Room" Equipment

The Sonic Tactical Support Desk Portable (TSDP) is a flexible and rapidly deployable pre-configured* system which allows the user to support live operations by establishing an active local or remote "Back Office" able to access internet resources critical to the efficiency of the operation being supported.

By monitoring imagery and data from remote servers streaming from surveillance systems, asset and hostile tracking installations and other remotely deployed technical resources (eg audio, ANPR etc), this system serves the role of Tactical Support to surveillance operatives.

The system comprises a primary Tablet in a ruggedised case with keyboard and mouse, a docking hub, two additional monitors and mobile phone cradle with wireless charging. A secondary tablet resource is provided with keyboard and mouse.

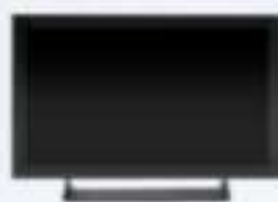
The use of Tablets enables the user to respond to available space dynamically, utilising as much or as little of the kit components as the room allows.

The system can access the internet by ethernet, wifi or LTE (appropriate SIM cards will be required for LTE internet access, not supplied).

*The TSDP can be pre-configured with relevant software, if purchased along with other equipment/devices from Sonic Communications (Int) Ltd, or can be supplied for local configuration.



x2 Tablets



x2 Monitors



Sonic Power Hub



USB Hub



Phone Charging Dock



Power Accessories



Compact Form

NOTE: Items provided may differ in appearance to those illustrated.

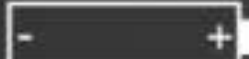


Various capacity portable LiFePO4 Peli battery packs can also be supplied for remote location usage to expand TSD-P versatility. Please contact us for more information.

DPDU

DC Power Distribution Unit



Power Centre 

The 2590 Mini UPS is a small convenient battery unit designed for power loss prevention for mission critical equipment. The unit is capable of charging a BB2590 battery while external DC is present, and sits in-line with the system to be protected.

Upon external DC power loss, the mini UPS seamlessly changes over to providing power from the connected BB2590. Powered from a cigarette lighter plug, the 2590 Mini UPS is an alternative to our deep fit battery solutions.

The DC Power Distribution Unit (DPDU), provides an all-in-one power, charge and backup solution for any 12V system. The cradle supports two batteries (not supplied) and the battery caps will charge the batteries when external DC is applied. This DC source is also passed through to the Distribution Hub to provide power to various devices. When the external DC source is lost the load will be switched over to the batteries to provide continuous power.



Power Centre 

Key Features:

- 4-Port Viewing Headrest Concealment
- 40x Optical, 12x Digital Zoom, Day/Night Optical Sensor, 670TVL
- Solid State H264 DVR, Dual SD Card
- Wi-Fi Remote Viewing & Remote Control (Requires PC/Tablet)
- 3G/4G Remote Viewing & Remote Control (Requires network/server access & compatible PC/Tablet)



2590 Mini UPS

DC Power Distribution Unit

Key Features:

- Input Voltage: 10-18vDC (cigarette lighter plug)
- Output Voltage: 12v nominal
- Pass Through if External DC I/P Live (>11.8v)
- 15A Fused Input & Output
- UPS Changeover, Ext DC > 2590
- State of Charge Indicator
- Battery Fuel Indicator
- Compatible with 5590 (no charging)
- Output Lead can be supplied pre-terminated



Tracer Batteries

lithium Chemistry



12v 4Ah

12v 22Ah



Key Features:

- Just 1/4 of the weight of a traditional sealed lead acid battery
- Flat discharge - brighter for longer
- Built in fuel gauges
- High efficiency smart chargers
- Bespoke and universal connections available
- Tracer battery packs can power any 12v application
- The battery pack is protected against over charge & discharge
- Short circuit protection
- Conform to the standard un 38.3 transportation test

Power Centre 

TRACER

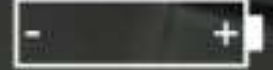
40,80,100 & 170 Ah LiFePO4
Peli™ Case Kit also available.
contact us for more information.



GSM Transportable Battery Pack

Smart Command

Power Centre

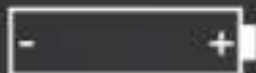


Key Features:

- Android App (v6 and above)
- Controls up to 4 Switched outputs
- Scheduled Activation (Controlled via Android phone)
- Supports up to 4 Separate GSM Commands Units
- Status updates, Voltage and Temperature
- Low Voltage Notification
- Battery Options 40/80/100/170Ah
- Max Output Capacity 10Amp x2@ and x2@ 5Amp
- LiFePO4 Technology
- 40Ah: W410xD325xH175mm
- Weight: 8.8Kg (40Ah)



Power Centre



Transportable Battery

40Ah Lithium-ion and 28Ah AGM Lead Acid PowerCentres

PowerCentre is a unique long lasting source of rechargeable 12 volt power for field operations. The Lithium variant consists of a 40Ah Lithium-ion Phosphate. The AGM Variant consists of a 28Ah AGM Lead Acid Battery and does not suffer from loss of capacity (memory effect) from only being partially recharged.

With the lid shut and in use, the unit is water and dust proof (to IP67). The Pelicase design is robust and highly portable.

PowerCentres in-built vehicle and mains charging systems allows you to replenish the unit anytime.

Key Features:

- Safe, Lithium-Ion Phosphate battery technology makes the PowerCentre 50% the size of any comparable lead acid pack and at 12.6Kg, 1/3 of the weight.



- 40 and 28 amp hour rated internal battery supports up to 2000 complete charge / discharge cycles, to 80% depth of discharge. Internal automatic protection against being flattened.
- Easy to read LED, state of charge Indicator on Lithium-ion pack, voltage and state of charge indication on the AGM Lead Acid pack.
- In built vehicle and mains chargers, so the PowerCentre can be replenished anywhere.
- Reliable, rugged and waterproof (IP67)

AA Installation Example



R1 Covert Police Installation Example



● BMW Covert Police Installation Example



● Covert Van Installation Example

