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 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.

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)”. Sonic’s Surveillance training is also awarded Approved Course status by RoSPA for Worldwide delivery, complementing its existing BS| 8001 :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.
OUR SERVICES

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.

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.

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 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.
Compact DVRs

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

PV-RC200 HDW
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 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
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 WiFi
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 Pt-RF50 RF Remote controller
- H.264 .MOV File format
- Low light sensitive camera options
- Vibration alert (power on/off, recording, low battery)

PV500 Neo Pro DVR WiFi
Digital Video Recorder

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.

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 Pt-RF50TX wireless remote commander
- SSID visible/hide switch

PV1000 Evo 3 WiFi
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

This miniature DVR has built-in WiFi enabling live streaming and file downloading to smartphones. It accepts analogue cameras receiving video and audio whilst supplying 5V power through a 2.5mm camera port. The device is powered by an 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

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

Key Features:
- 720P/480P 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

VapeCam Covert Camera

Vape devices are proving to be more and more popular worldwide, and 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
FlashBack 3C/3G

Digital Video Recorder

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.

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.

FlashBack-4

Digital Video Recorder

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.

Key Features:
- 1 channel HD or 4 channel SD
- 1 x i-Conex-HD input to HD micro-camera or HDSOI 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 6 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

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

DVR of choice
Compatible Range Of DVRs

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 client’s needs and enhance the value of investment by providing auditable safe storage and discrete portability.
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**
- PCB dimensions: 28 x 6 x 2mm
- Storage: 512 MB (Max 35 h)
- 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

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.

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 5.8 x 5.2 mm / 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; VDX: 0.9 mA/
- Recording: 3.4 mA - 5.5 mA
- Streaming: 3.7 mA - 10.2 mA
- Data transfer: 13.7mA - 174 mA
- BT stand by: 0.06 mA - 0.78 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 A1
Miniature Size Audio Recorder

**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 (1bit@BkHz)
- Encryption: AES256
- Bluetooth range 30-50m
- GPS log each 1 h: 20 days
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
- Trigger: voice activation, schedule, BT activation, button
- Remote files upload
- Encrypted BT communication
- Proprietary file system
- AES-256 bit encryption
- Time stamp
- Watermark

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
- LiPo battery - 13mA
- Proprietary file system
- Rec memory 260 hrs (16bit @ 16 khz)
- AES-256G bit encryption
- Bluetooth 5
- BT Hidden mode
- BT download speed -upto 1Mbit/s
- Audio stream duration up to 40 m (on Android device BTS)
- Voice actwation, schedue, BT activation & button triggers
- BT download speed: 1 Mbit/s
- USB transfer speed: 2 Mbit/s
- 24 bit, 41Khz

Noa 3G/Bluetooth 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
- IEU NA, Asia, Australaial
- On/Off switch
- Bluetooth 5
- Rechargeable LiPo battery
- External antennas
- LED indication

System overlay showing Smart Host Relay application and 3G/Bluetooth Micro Relay connecting Noa devices to a Remote Server.
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 x 1.4 mm
- Max recording time: 18 KHz (ADPCM)
- Password protected access to 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 a 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: 48KHz - 48KHz
- Compression: 4-bit APU COM
- Voice recording format: WAV
- Memory: microSD/SDHC (128GB max)
- Power supply: Li-Poly, 180 mAh (rechargeable)

Nevo FX Radio
Audio Recorder

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 APU COM
- 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 cable to download recordings and manage configuration
EshDat
Audio Store & Forward

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, VDOX 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
- Two high sensitivity microphones for stereo audio
- RF range: 400-1100 MHz
- RF output: 10-1000 mW
- Upload speed up to 1 Mb/s
- Stream distance: 500-7000 m LOS
- Operating distance: 1.1 km LOS
- Data transmission distance: 200-3000 m LOS
- RF channels: 40
- 44 kHz, 16-bit audio
- External RF antenna
- Dimensions: 38x20.5x5.5 mm

Storm Wi-Fi
Miniature voice recorder

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 500-1000 m.

Key Features
- Audio resolution
- Sample rate
- VOX, Scheduled, RF control activation
- Audio input
- Encryption
- Digital signature
- Data storage

WiFi/Radio
- WiFi bands
- Upload speed for 5GHz
- Upload speed for 2.4 GHz
- Wi-Fi range
- Wi-Fi mode
- Antenna
- FTP mode
- Random MAC option
- Remote RF control

Physical parameters:
- PCB dimensions:
- External Li-Pol battery
- Voltage input

Audio
- Audio resolution
- Sample rate
- VOX, Scheduled, RF control activation
- Audio input
- Encryption
- Digital signature
- Data storage

WiFi/Radio
- WiFi bands
- Upload speed for 5GHz
- Upload speed for 2.4 GHz
- Wi-Fi range
- Wi-Fi mode
- Antenna
- FTP mode
- Random MAC option
- Remote RF control

Physical parameters:
- PCB dimensions
- External Li-Pol battery
- Voltage input

24-bit
8 kHz, 13 kHz, 44 kHz
Yes
2 External microphones
AES-256
Yes
Removable microSD card up to 256 GB
2.4/5 GHz
30 mb/s/sec
20 mb/s/sec
50-200 m LOS
802.11 b/g/n (client mode)
Internal/External
Clients mode
YES
500-1000m
51.8x26x6 mm
YES
3 - 30 V
**Quattro Mini Pro**

Digital Video Recorder

Supports 1080P AHD & Analogue D1 cameras

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 Sone HRD 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)

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.

**H.265 DVR Pro**

Digital Video Recorder

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)
- 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 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, 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, Genetech, Crossfire etc
- Ethernet and WiFi interfaces
- Easy upgrade from AfterBurner 182: same footprint and similar operation

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.

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

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.

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 HDSDI video & audio input
- Records two audio channels sourced from local microphones, RTSP streams or HDSDI 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
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 (5 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

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 hot swap 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

CVBS/HD-SDi Extreme Low Light Camera

Key features:
- 1/3" Megapixel CMOS chip
- 1080P/720P @25fps
- Supports Dual-streaming
- 0.001 Lux
- 3.4mm, 4.3mm or 6mm Pinhole lens
- 2.5mm, 2.8mm, 3.6mm, 5mm, 8mm, 12mm or 16mm M12 lens
- 50mm, 75mm or 100mm C/CS mount lens
- 50dB SN Ratio
- -20°C + 55°C Working Temperature
- 6-12V DC, 2.5W
- Current Consumption - 350mA 5-12v OC
- 62.5x44.5x75mm w/o lens
- 1080P/720P (eSupports Dual-streaming
- 4mm, 4.3mm, 2.8mm.
- 6mm Pinhole lens 3.6mm, 8mm, 12mm or 16mm
- 50mm, 75mm or 100mm C/CS mount lens
- 50°c Working Temperature
- 350mA 5-12v OC
- 62.5x44.5x75mm w/o lens
- 1080P/720P (eSupports Dual-streaming
- 4mm, 4.3mm, 2.8mm.
- 6mm Pinhole lens 3.6mm, 8mm, 12mm or 16mm
- 50mm, 75mm or 100mm C/CS mount lens
- 50°c Working Temperature
- 350mA 5-12v OC
- 62.5x44.5x75mm w/o lens

360° PTZ Cameras OMNi

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

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
- 8, 12, 16, 25mm lens
- Digital Day/Night
- 0.1 Lux

Sonic Ultra Low Light Camera

- CCIR Low Light analogue camera
- 570 TV lines
- 0.00003 Lux at F1.0
- Fitted with a Computar motorized
- 21x Optical Zoom lens 5.8-121mm
- H.262mm (W)104mm (D)220mm
- Designed for analogue camera systems

OMNi SCOPE

- 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, 9mm, 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

**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

**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
RETAI 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

- 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
- 1x 70mm lens, 1x 8mm lens
- Day/Night

Pan Rear View Mirror Camera

- 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+

Rear View Mirror IP Camera

- 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

IP (1080p) Pan Rear View Mirror Camera

- 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 pen 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
- Stream up to 1080p 25/30
**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
  - 870 TV Lines
  - 40 x Optical Zoom
  - 12 x Digital Zoom
  - 0.6 Lux

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**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
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

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 (up to 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
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

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 smartphone, or from anywhere globally (with connection to internet & server).

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.

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

- 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 supplied may differ in appearance to those illustrated.

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

Technical Surveillance | Rapid Deployment solutions
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
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 client's 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 Quad/Picture in Picture Display
- Picture in Picture Display
- 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 peli case 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, 1 x 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

Scorpion IP
Video Surveillance System

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

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 or 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 8 sets of Switchable Relay
- GSM Control has 3 connections (NO/Com/NC)
- 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 GMS Control Only
- External Battery Status
- Internal microphone
- Audio disable function
- Status and alarm text messages
- Schedule functions, (record, power on/off)

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 failover 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.
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.

**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

Unit able to accommodate existing analogue cameras while still providing IP capability.
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
The Scorpion IP470 combines the capabilities of both the Scorpion IP Transportable and the RO470IP. 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

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

**AD1200IP-Features**
- Built in IP200 Encoder/NVR
- USB Storage Media
- Run time - 13 hours approx. (Recording c/w PTZ camera)
- 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
- Optional hPlayer Software
- 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

**RD1150 IP Video Surveillance System**

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

Optional Modems:
- Teltonika Rut240
- Pepwave Max-BR1-mini
- AirLink RV50

Optional Options:
- Built in IP200 Encoder/NVR
- USB Storage Media
- Built in Scorpion IP Mini Encoder/NVR
- Removable Micro SD Storage
- USB Storage Media option
Tactical Support Desk (Portable)

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 (e.g., 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.

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

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.

Key Features:
- Input Voltage: 10-18vDC (cigarette lighter plug)
- Pass Through if External DC I/P Live (>11.8v)
- Output Lead can be supplied pre-terminated
- State of Charge Indicator
- Battery Fuel Indicator

2590 Mini UPS
DC Power Distribution Unit

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 BB2580 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.

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)

Tracer Batteries
lithium Chemistry

Key Features:
- Just ¼ 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

40,90,100 E170 Ah LiFePO4 Pelicase Kit also available. Contact us for more information.
GSM Transportable Battery Pack

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 Command 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: W410xH325xL175mm
- Weight: 8.8Kg (40Ah)

PowerCentre is a unique long lasting ey for field operations. The Lithium variant of a 28Ah AGM Lead Acid Battery and does not suffer from loss of capacity (memory effect) from only being shut and in use, the unit is robust and highly portable. Charging systems allows you to replenish the unit anytime.

PowerCentre

Transportable Battery

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

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)
BMW Covert Police
Installation Example

Covert Van
Installation Example