


<b>Services and Facilities Committee Meeting</b>	 Market Drayton Town Council
<b>Agenda Item: 5.SF Antisocial Behavior – Town Park</b>	
<b>Date: 26 May 2022</b>	
<b>Appendix : SF08</b>	

## **Background**

There is Antisocial Behavior (ASB) on and around the picnic benches on the Town Park at weekends, during the evenings, and the early hours of the morning.

The Town Park was included in the last Police Partnership Panel walkabout and the ASB discussed at their meeting. Following this the local policing team has increased their patrols of the park and are speaking to residents in the area regarding the issue.

The Local Policing Team has identified some of the young people concerned; ASB letters have been sent to their parents.

Other action taken to date:

- As some of the individuals attend the youth club, the youth workers are working with the individuals around community awareness; if the young people continue to be involved in ASB they will not be allowed to attend the summer trips.
- Shropshire Council outreach team are visiting the town park on a regular basis and will be organising some informal sports activities,
- The Local Policing Team has been into the local secondary school and enforced that ASB behavior is not acceptable.

To help reduce the ASB the following options could be implemented:

### **Option One**

To remove the picnic benches

### **Option Two**

To relocate the benches to another area of the park. Possibly closer to the play area.

### **Option Three**

To upgrade the current CCTV Camera's and install a new camera overlooking the benches. The camera's specification includes face detection technology. See attached Quote. The installation of the additional camera would be subject to

approval from Shropshire Council for it to be installed on their lighting column and to use the electricity.

**Total Cost £3,106.33**

#### **Option Four**

To upgrade the current CCTV Camera's, install a new camera and noise monitoring equipment overlooking the benches. See attached quote.

The installation of the noise meter would be subject to further inspection of the lighting column due to weight and approval from Shropshire Council for it to be installed on their lighting column and use the electricity.

To install CCTV Cameras with a noise meter to record the level of ASB noise during the evenings.

**Total Cost £9,606.33**

#### **Recommendation**

Members to consider the above options and any other options to reduce ASB on the Town Park identified through discussion on the evening.

**SECURASOUND LTD.**

THE HOLLIES  
CHESTER ROAD  
WHITCHURCH  
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EMAIL [info@Securasound.co.uk](mailto:info@Securasound.co.uk)  
WEBSITE [WWW.Securasound.co.uk](http://WWW.Securasound.co.uk)

Our ref: Q2205/3410/JW/SP-B

19<sup>th</sup> May 2022

FAO Mrs Sue Thomas  
Town Clerk  
Market Drayton Town Council  
Frogmore Street  
Market Drayton  
TF9 3AX

Dear Mrs Thomas

**Re: Town Park CCTV System**

Further to our recent emails I have pleasure in enclosing the following revised quotation to upgrade the above. I have provided an option to upgrade the existing 3 cameras on the Tower, an option for an additional remote camera covering the Picnic Benches and then a Noise monitoring system.

I have quoted for a 4-channel recorder and the also an option at the end for an 8 channel which would allow capacity if you wanted to add additional cameras in the future.

**I. Replacement Tower System, Recorder and Camera.**

**Recorder:**

To supply and install: -

1 x Dahua DHI-NVR2104HS-P-1 4 channel Network Video Recorder complete with an 8TB built In Hard Drive. This will allow the cameras to record at maximum resolution 24/7 and for the images to be kept for a minimum of 14+ days.

I have enclosed information on the recorder which does have Facial Recognition and Smart Motion Detection built in, which John advised is something you are looking at going forward. If you want to use these functions, then additional time would be required to set the recorder up with the relevant permits which we have not included for at this time.

## **Cameras**

3 x Dahua DH-IPC-HFW5842E-ZE-S2 8MP Vandal Resistant IP67 bullet Style camera complete with a 2.7-12m Motorised Varifocal Zoom lens and Infra-Red LEDs to provide night-time illumination up to 50m from the camera.

Again, as you will see from the enclosed PDF this has facial recognition detection built in.

To be mounted as follows

Replacing the existing 3 Tower Cameras

To supply and install including all cabling, testing and commissioning; -

**All in the sum of £2,054.73 plus VAT**

## **II. Remote Camera on Drayton Grove Street Lighting Column.**

Given the distance from this location to the Benches then it will require a higher specification camera than the ones for the Tower.

To supply and install; -

1 x Dahua DH-IPC-HFW5842E-Z4E-S2 Vandal resistant 8MP IP67 Bullet style Camera with an 8-32mm Varifocal Motorised zoom Lens and Infrared LEDs to provide night time illumination up to 120m from the camera.

1 x Column Mounting Bracket

1 x Dahua IP point to point Data Link

Th above will require a 230 vac mains supply to be supplied by others prior to commencement.

This quotation assumes the works will be carried out at the same time as the tower upgrade, it can be provided at a future time, though the price would increase slightly as there would be duplication of works.

To supply and install including all cabling, testing and commissioning; -

**All in the sum of £1,051.60 plus VAT**

## **III.Noise Monitoring System**

As you are aware we have discussed and look at several different options in respect of this and I feel the solution below meets your requirements, rather than a conventional Camera & microphone or Acoustic Camera for the reasons below:

**CCTV Cameras with Microphones Built In** - While it is possible to use a camera with a built in Microphone these are 'general pick up' and are designed for listening to what is going on in an area (typically used when someone is monitoring the Cameras), it has no way of recording the dB Level of the Sound volume.

While it would be the cheapest option to Add a Mic to the camera, I would say that the camera would need to be close to the Benches than the proposed location on Drayton Grove if you want just to generally record the sound.

**Acoustic Camera** – These are not available via the CCTV Distributors so would be a specialist supplier, however I am not sure they would meet your aims. They are designed for looking at a large area and pin pointing, where the sound is coming from/travelling to. That is why when linked with a number plate capture camera they are suitable for spotting a noisy vehicle, on a road or similar.

Therefore, I propose the following system:

**NoiseScout** (Unattended Noise Monitoring)

*Noise Scout is a proprietary system for Noise management and compliant Handling of a Public Space Amenity.*

The system comprises an "XL2 Outdoor Noise Monitoring Kit, a Netbox communication Hub and the hosted web portal for Data Display providing a comprehensive and Easy to use Noise Monitoring Solution".

The price below is Budgetary as we would need to look at the location the equipment is to be sited and mounted. There is for example a weight limit to what can be put on street Lighting Columns. If this proves favourable, then we could look to firm up the details.

To supply and install: -

1 x XL2 Sound Level Analyser with Class 2 Microphone

1 x WP61 weather Protection Kit for Microphone

1 x Heavy Duty Weather Protected Case IP43

While they call it heavy duty IP43 is not that high an IP rating, so it may need to be positioned in a sheltered location or other casing.

1 x Netbox communication hub – Sim Card not included

1 x NoiseScout web service card data Archive, 12-month subscription

1 x Microphone Tripod

1 x Calibration for Noise Monitor

**Budget Costing:**

To supply and install including all cabling, testing and commissioning; -

**All in the sum of £6,500.00 plus VAT**

**Options****A Recorder**

To supply the 8-channel version of the Recorder, complete with a 12TB Hard Drive at the time of ordering

**All in the sum of £502.86 plus VAT**

**B CSL 4G Router for CCTV System**

This would connect into the recorder and allow you to view images remotely for example if someone calls to advise that there has been damage caused, you could log in and check over the cameras. It is not designed as an "always on" solution for constant monitoring. You can also search the recorded images, however given that you will be relying on the speed of 4G, I would not recommend doing this if you need to check a significant amount of footage, it would be quicker to download this direct at the recorder.

**One off connection Charge £90.00 plus VAT**

**Monthly Data charge – Minimum Term 12 month**

**1GB data £16.00 plus VAT**

**2GB Date £23.00 plus VAT**

**5GB Data £30.00 plus VAT**

I trust the above is acceptable; if however, you have any questions or require additional information, then please do not hesitate to contact me.

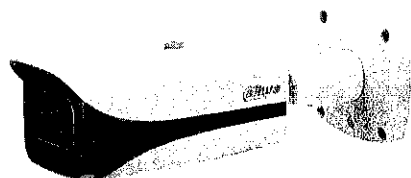
Kind regards

Yours sincerely

Jason Wainwright  
Enc

# DH-IPC-HFW5842E-ZE-S2

## 8MP IR Vari-focal Bullet WizMind Network Camera



Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

### Series Overview

With starlight solution and deep learning algorithm, Dahua WizMind 5 Series network camera has various intelligent functions, including face capture, perimeter protection and people counting, which greatly improve the accuracy of video analysis. The series camera supports dust-proof function, waterproof function and vandal-proof function, complying with the standards of IP67 and IK10 (Supported by some select models).

### Functions

#### Face Detection

Dahua Face Detection technology can detect the face in the image. With deep learning algorithm, the technology supports detecting, tracking, capturing and selecting the best face image, and then outputs face snapshot.

#### Face Attributes

With deep learning algorithm, the network camera can recognize face attributes, such as gender, age, expression, glasses, mouth mask, and beard.

#### Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

- 8MP 1/1.8" CMOS image sensor, low illuminance, high image definition (high definition image).
- Outputs max. 8MP (3840×2160) @30 fps.
- Max. IR distance: 60 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Alarm: 2 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card.
- 12V DC/PoE power supply.
- ePoE, IP67, IK10 protection.
- SMD 3.0



#### People Counting

With deep learning algorithm, Dahua People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs yearly/monthly/daily reports to meet your requirements.

#### ePoE

Dahua's innovative ePoE technology offers a new solution to transmit power and data over long distances between cameras and network switch, allowing more flexible design of surveillance system, improving reliability, reducing installation time and saving money. ePoE technology encompasses pure network systems where a single CAT6 cable can carry signals up to 300 m (984 ft) at 100 Mbps, 800 m (2625 ft) at 10 Mbps.

#### Cyber Security

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

#### Protection (IP67, IK10, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J).

Wide voltage: The camera allows  $\pm 30\%$  (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

## Alarm

Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; Illegal access; motion detection; video tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object; missing object; fast moving; parking detection; loitering detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people counting in area; stay alarm; people No. exception detection; queue management
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## Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; SFTP; Micro SD card (Support max. 256 G); NAS
Browser	IE: IE8 and later Chrome Firefox Safari: Safari 12 and later
Management Software	Smart PSS; DSS; DMSS
Mobile Client	iOS; Android

## Certification

Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
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## Port

Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	2 channels in: 5mA 3V~5V DC
Alarm Output	1 channels out: 300mA 12V DC

## Power

Power Supply	12V DC ( $\pm 30\%$ )/PoE (802.3af)/ePoE
Power Consumption	Basic power consumption: 6.4W (12V DC); 6.9W (PoE) Max. power consumption (H.265 + max. stream + Intelligent function + IR LED + focus): 7.1W (12V DC); 7.9W (PoE)

## Environment

Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)/Less than 95% RH
Storage Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Protection	IP67, IK10

## Structure

Casing	Metal, plastic
Product Dimensions	273.2 mm × 95.0 mm × 95.0 mm (10.76" × 3.74" × 3.74")
Net Weight	1.11 kg (2.44 lb)
Gross Weight	1.51 kg (3.33 lb)

## Ordering Information

Type	Model	Description
8MP Camera	DH-IPC-HFW5842EP-ZE-2712-S2	8MP IR Vari-focal Bullet WizMind Network Camera, PAL
	IPC-HFW5842EP-ZE-2712-S2	8MP IR Vari-focal Bullet WizMind Network Camera, PAL
Accessories (Optional)	PFA152-E	Pole mount Bracket
	PFA121	Junction Box
	PFM321D	DC12V1A Power Adapter
	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender
	PFM900-E	Integrated Mount Tester
	PFM114	TLC SD Card

## Accessories

### Optional :



PFA152-E  
Pole Mount Bracket



PFA121  
Junction Box



PFM321D  
12V DC 1A Power  
Adapter



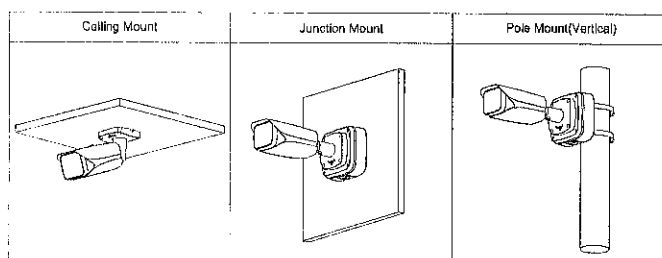
LR1002-1ET/1EC  
Single-port Long  
Reach Ethernet over  
Coax Extender



PFM900-E  
Integrated Mount Tester

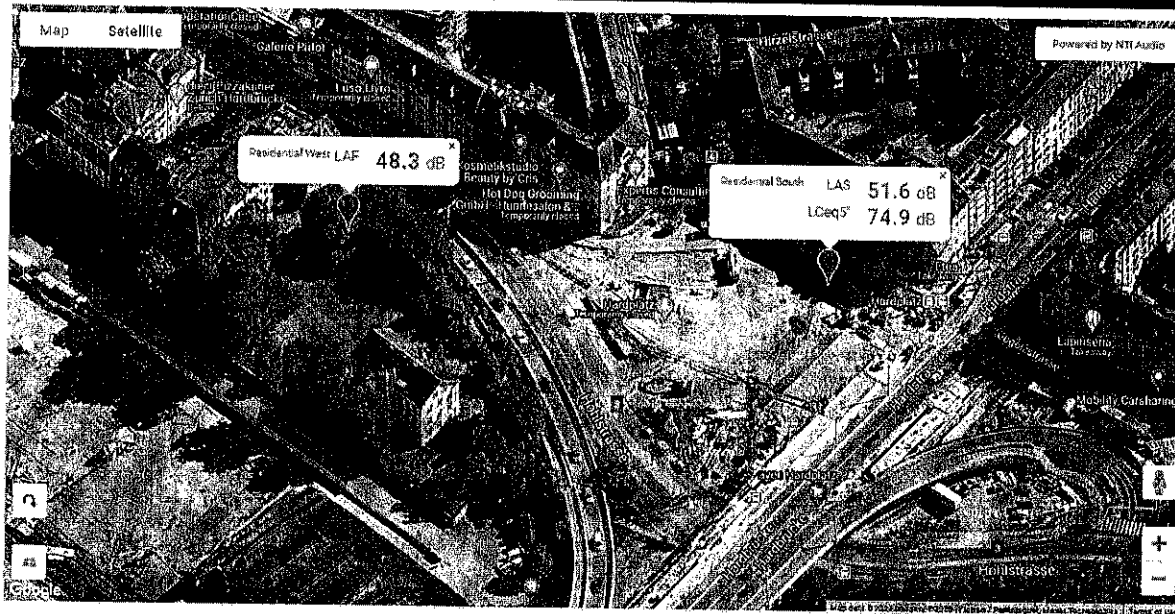


PFM114  
TLC SD Card





## Map



## Locations

## Residential West

Status OK

NetBox  
M001R-123456

Data

Range: 2018-06-20 12:00:00 to 2018-06-20 12:00:00  
Latest: 2018-06-20 12:00:00Wind  
Speed 0.0 m/s  
Direction 217°

Live Values

LAF 47.2 dB

12.2v

## Residential South

Status OK

NetBox  
M001R-123456

Data

Range: 2018-06-20 12:00:00 to 2018-06-20 12:00:00  
Latest: 2018-06-20 12:00:00

Live Values

LAS 52.6 dB

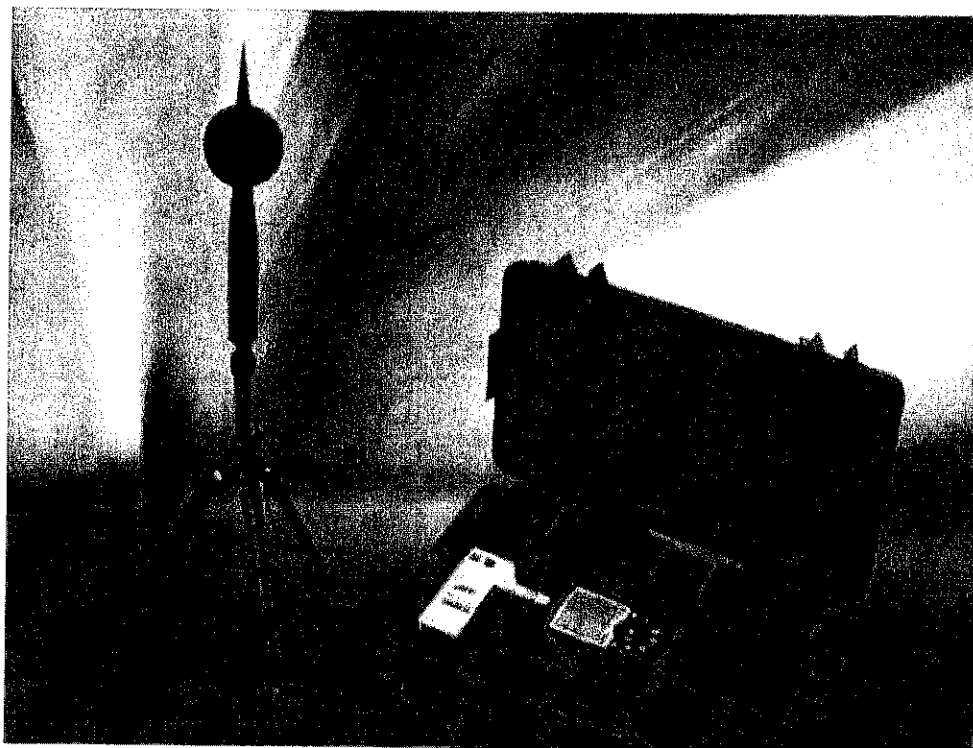
LCeq5" 75.1 dB

12.2v

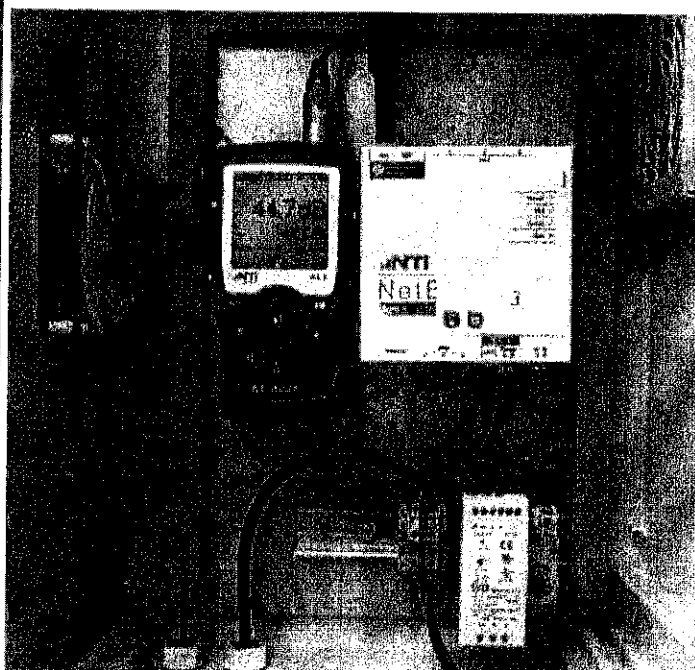
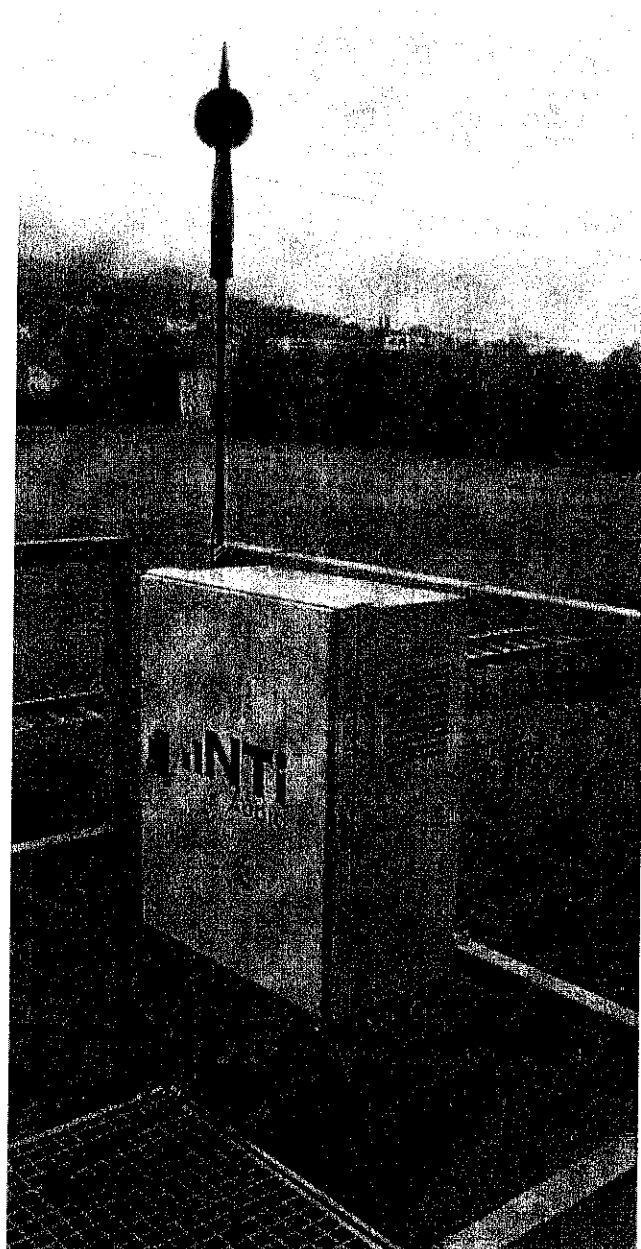
Control

The **NoiseScout** system consisting of an XL2 outdoor noise monitoring kit, a NetBox communication hub and the hosted web portal for data display provides a comprehensive and easy-to-use noise monitoring solution. All noise levels are measured on-site by the XL2 Class 1 or Class 2 Sound Level Meter and are available online for monitoring, download and reporting.

NoiseScout is aimed at both short-term noise assessments and longer-term monitoring applications. During acquisition **automated email alerts inform stakeholders** of changing site conditions and non-compliant noise levels.



Heavy Duty Case (Top),  
Environmental Encl. (centre) &  
Inside Environmental Encl.  
(Bottom)



## NoiseScout Noise Monitoring System & 1 Year Cloud Hosting

1	600 000 341	XL2 Sound Level Analyser with Class 2 microphone	1
2	600 040 080	WP61 weather Protection Kit for M4261 microphone	1
3	600 000 336	ASD microphone extension cable 5m.	1
4	600 000 476	Heavy Duty Weather Protected Case, IP 43 rated	1
5	600 000 060	NetBox communication hub. Sim card not included	1
6	600 000 492	NoiseScout web service & data archive, 12 month subscription	1
7	600 000 029	Traceable Calibration for Noise Monitor to IEC 61672:3	