



# Blake Fire & Security Systems

Fire & Intruder Alarms, CCTV & Access Control Specialist  
Emergency Lighting, Fire Extinguishers, PAT Testing  
Building Services & Property Maintenance  
Electrical Engineers and Contractors  
Part of Blake Contractors Ltd

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Your Ref:

Our Ref: SB/LM/Q41364

Date: 20 May 2026

VAT Reg No: 328 5359 38

## Wildlife Reserve - CCTV

Wildlife Reserve  
Mucking Hall Road  
Barling  
Essex  
SS3 0NN  
[clerk@barlingmagna-pc.gov.uk](mailto:clerk@barlingmagna-pc.gov.uk)

## QUOTATION

Dear Steph,

### **VSS - Video Surveillance System Installation (Formerly Known As CCTV)** **Wildlife Reserve, Mucking Hall Road, Barling, Essex, SS3 0NN**

Further to your recent request, we have pleasure in providing you with our quotation for installing 2no. HD CCTV System at the above premises.

### **BLAKE FIRE & SECURITY SYSTEMS QUALIFICATIONS**

Blake Fire & Security Systems have been assessed by and satisfy the requirements of the National Security Inspectorate (NSI) & NACOSS Gold Scheme with respect to the following scope: The Design, Installation and Maintenance of Electronic Security Systems including Access Control, CCTV Systems and Intruder Alarms in accordance with the requirements of: BSEN ISO 9001:2015, NSI Quality Schedule SSQS 101. Further information regarding (NSI) NACOSS Gold Scheme can be found on [www.nsi.org.uk](http://www.nsi.org.uk).

### **Issues Found**

It would not be viable to have the carpark & cabin covered by the same CCTV system due to the Prohibitively large distance between the two sites.

It would be our recommendation to install 2x separate CCTV systems – please see part 1 & 2 below. Both CCTV systems also require an electrical supply, this has also been included with each option Below.

Please be advised, powered access hire will be required to install cameras on the existing dummy CCTV column in the carpark. A provision for this has been added – please see part 2 below.





### **Part 1 – CCTV System Installation - Cabin - Description of works to be carried out**

- 2x 4-Megapixel IP 24/7 colour turret cameras will be installed to provide coverage as follows:  
Camera 1 – Column mounted externally, front left corner to cover the container & workshop entrance doors.  
Camera 2 – Column mounted externally, front left corner to cover the Cabin entrance door.
  - The existing CCTV column will be utilised – subject to condition.
- The cameras will be run in External Grade Cat 5e, utilising existing PVC conduit externally & surface clipped internally back to the recorder location.
- 1x 4-Channel NVR (4TB) will be installed in the loft space above the workshop.
  - 1x Free electrical socket/unswitched fuse spur will be required to power the system.
- 1x 24-inch monitor & wireless mouse will be installed next to the recorder for local viewing of the system.
- This system will not be setup for remote viewing access
- Test on completion.

### **Part 1 – Electrical Supply Installation - Cabin - Description of works to be carried out**

- At the existing distribution board within the cabin area, supply and install a new 16A MCB.
- This MCB is to feed a new Steel Wire Armoured cable, surface clipped from the distribution board, up through the loft space to the required location of a new metal clad twin socket outlet mounted above the workshop area.
- Test, commission and issue an Electrical Installation Certificate.

### **Part 2 – CCTV System Installation - Carpark - Description of works to be carried out**

- 8M soft dig ground works will be carried out from the first ground pit next to the carpark wood gates to the existing CCTV column, 1x 40mm twinwall PVC duct will be installed.
- 2x 4-Megapixel IP 24/7 colour bullet cameras will be installed to provide coverage as follows:  
Camera 1 – Column mounted externally, to cover the carpark – left side.  
Camera 2 – Column mounted externally, to cover the carpark – right side.
  - The existing carpark CCTV column will be utilised – subject to condition.
  - Powered access hire will be required to install the cameras.
- The cameras will be run in External Grade Cat 5e utilising the new 40mm PVC twinwall duct back to the 1<sup>st</sup> ground pit and then utilising the existing 100mm PVC duct back to the recorder location.
- 1x Steel feeder pillar column will be root mounted to a concrete base behind the existing UKPN GRP feeder column to the right of the carpark – suitable containment will be installed to link this new column to the UKPN feeder pillar & the 100mm existing ducting.
- 1x 4-Channel NVR (4TB) will be housed within the feeder pillar.
- 1x 24-inch monitor will be installed below the recorder for local viewing of the system.
- This system will not be setup for remote viewing access

### **Part 2 – Electrical Supply Installation - Carpark - Description of works to be carried out**

- Within the enclosure for the UKPN supply adjacent the car park, isolate, disconnect and remove the existing switch fuse for the cabin/workshop supply.
- Supply and install a new replacement 2 way distribution board with surge arrestor and a new 50A MCB to feed the cabin/workshop and a 16A MCB to feed a new metal clad twin socket outlet mounted within the new enclosure located behind the existing.
- Test, commission and issue an Electrical Installation Certificate.

**Please carefully read the disclaimers below.**



## Quotation Summary

### Part 1 – CCTV System Installation - Cabin

<b>Design, Supply, Install &amp; Commission:</b>
<b>£ 1,439.40 + V.A.T.</b>

### Part 1 – Electrical Supply Installation - Cabin

<b>Supply, Install &amp; Commission:</b>
<b>£ 496.20 + V.A.T.</b>

### Part 2 – CCTV System Installation - Carpark

<b>Design, Supply, Install &amp; Commission:</b>
<b>£ 6,082.00 + V.A.T.</b>

### Part 2 – Electrical Supply Installation - Carpark

<b>Supply, Install &amp; Commission:</b>
<b>£ 532.46 + V.A.T.</b>

## Extra: Maintenance

The 1<sup>st</sup> year's maintenance is included in the above quotation (1 annual service 12 months from the commissioning date). During this period if any parts fail due to equipment failure, they will be replaced free of charge. If we are called out due to user error, or environmental issues, we will charge for the call out as per our current schedule of rates.

<b>Annual Maintenance Cost:</b>
<b>£ 136.00 + V.A.T.</b>

Please let us know before the 1<sup>st</sup> year is over if you do not wish for us to continue maintaining the system.

Our quotation is fixed for a period of 60 days and includes for all works to be carried out within normal working hours.

We trust you find this quotation acceptable and if we can be of any further assistance, please do not hesitate to contact the undersigned at [simon@blakecontractors.co.uk](mailto:simon@blakecontractors.co.uk)









Yours faithfully,

**Mr Simon Blake**  
**CCTV Manager**  
**Blake Fire & Security Systems**













## Schedule of Equipment

### Part 1 – CCTV System Installation - Cabin

<b>CCTV Recording Equipment - NVR</b>		
	Hikvision– 4 Channel Network Video Recorder (NVR)	1
<b>Accessories / Add-Ons</b>		
	4TB Seagate Skyhawk CCTV Hard Drive	1
	A4 CCTV Warning Sign	1
	Wireless Mouse Unit	1
<b>Hikvision CCTV Cameras – IP</b>		
	IP 4-Megapixel IP 24/7 Colour Turret 2.8mm	2
<b>CCTV Viewing Equipment</b>		
	24” AOC Monitor	1
	24" Double Arm Wall Mounted Monitor Bracket	1
<b>Containment, Cabling &amp; Sundries</b>		
	Cat5e External (Black)	2

**Part 2 – CCTV System Installation - Carpark**

<b>CCTV Recording Equipment - NVR</b>		
	Hikvision– 4 Channel Network Video Recorder (NVR)	1
<b>Accessories / Add-Ons</b>		
	4TB Seagate Skyhawk CCTV Hard Drive	1
	A4 CCTV Warning Sign	1
	Powered Access – 120TE - Day Hire	1
	Root Mount Steel Enclosure – 770x512x227mm	1
<b>Hikvision CCTV Cameras – IP</b>		
	4-Megapixel IP 24/7 Colour 2.8mm - 12mm Motorised Bullet	2
<b>CCTV Viewing Equipment</b>		
	24-Inch Slimline Monitor Wall Bracket	1
	19” Monitor	1
<b>Containment, Cabling &amp; Sundries</b>		
	Cat5e External (Black)	2
	40mm Twinwall PVC Ducting	1

## Design & System Classification

This system has been designed to the image category – **Observe/recognise**, supplemental white LED low-level lighting.

The CCTV system(s) will record **Video only** and the method of recording will be Continuous **24/7**.

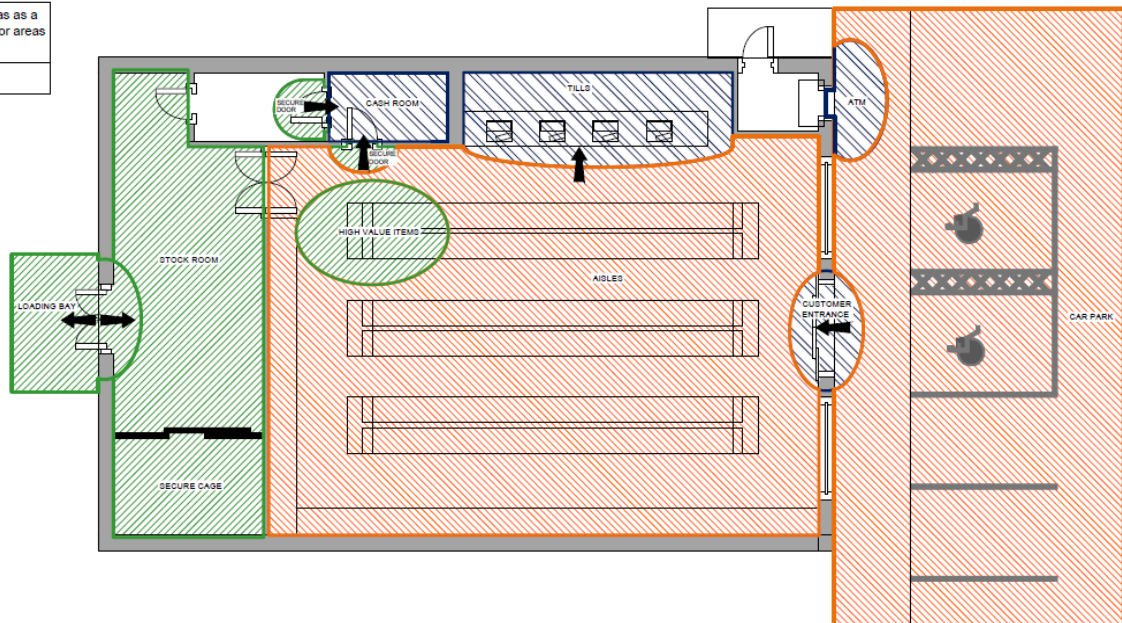
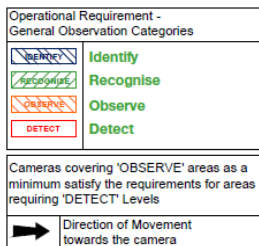
The recorder(s) will store playback for a minimum of **30 days** – after which old footage is automatically recycled to provide space for new footage.

Category	Identify	Recognize	Observe	Detect
<b>Purpose</b>	Picture quality and detail should be sufficient to enable the identity of an individual to be established beyond reasonable doubt	At this level of detail, an observer should be able to say with a high degree of confidence whether an individual shown is the same as someone they have seen before	An observer should be able to see some characteristic details of the individual, such as distinctive clothing, whilst the view remains sufficiently wide enough to allow activity surrounding an incident to be monitored	When alerted, an observer should be able to search the display screens and ascertain whether a person is present or not
<b>This is a least:</b>	4 mm per pixel or 250 pixels per metre	8 mm per pixel or 125 pixels per metre	16 mm per pixel or 62.5 pixels per metre	40 mm per pixel or 25 pixels per metre

There is a 5<sup>th</sup> Category not shown in the table above - Monitor, which has Half the image size as Detect and is used to monitor the number, direction, and speed of movement of people across a wide area.

These categories are part of the industry standards which are set out in BS EN 62726-4 2015.

Our Systems are designed to comply with **BS EN IEC 62676-4:2025: Scope & NCP 104: (Issue 3)** and are typically classified Depending on the Specific site Requirements. Please Note, a CCTV system may use aspects from all categories. Please see Example below:



*(Surveillance Camera Commissioner Buyers Toolkit: Stage 2)*





The below details give an indication of the expected views for the cameras we have specified:

**Fixed 2.8mm Camera**

Resolution: 4- Megapixel  
Sensor size: 1/3 inch  
Framerate: 8-12 FPS  
Bitrate: 3072 Kbps  
Lens focal length: 2.8mm  
Mounting Height: 2.5-3M  
Distance from the camera to a typical height person (1.8M):  
DORI: Static  
0 – 2.5M Identify  
2.5 – 5.6M Recognise  
5.6 – 46.5M Observation  
46.5 – 95M Monitoring - Detection

**Motorised 2.8-12mm Camera**

Resolution: 4 Megapixel  
Sensor size: 1/3 inch  
Framerate: 8-12 FPS  
Bitrate: 3072 Kbps  
Lens focal length: 2.8-12mm  
Mounting Height: 2.5-10M  
DORI: Tele (Full Zoom)  
0 – 19M Identify  
19 – 38M Recognise  
38 – 75.4M Observation  
75.4 – 190M Monitoring - Detection

The above figures are a guide and can vary depending on the equipment, mounting heights etc.

**Design Limitation Note:**

- Our design is based on the drawings and specification provided but due the fact there may be other view obstructions/changes in heights of ceilings, we may have to alter our quotation following a full site survey.
- If this quotation is accepted, a full detailed site survey will be carried out, and if any changes are identified they will be brought to the attention of the client immediately, who will then have the choice to continue with the adjustments or cancel the order.

## Design Stage Variations

- No Variations (this may change during the Installation and the client will be made aware of any possible variations during the installation, so confirmation and acceptance can be given)

## System 1<sup>st</sup> Fix (Wiring & Containment)

- An IP CCTV system will be installed throughout carpark / Cabin installing new cables as required.
- All internal cables are to be Cat 5e, clipped with metal fire rated fixings in corridors, escape route & over doorways (even when contained in P.V.C. trunking) or be laid in cable tray or basket (when inverted held by stainless steel tie wraps).
- All external cables are to be external Black Cat 5e, utilising existing containment, housed in underground PVC ducting, clipped with metal fixings in corridors, escape route & over doorways (even when contained in P.V.C. trunking) or be laid in cable tray or basket (when inverted held by stainless steel tie wraps)



## Commissioning and Documentation

- Carry out Commissioning of the CCTV System to BS EN 62676 Part 4.7:2015
- Test all Devices for correct operation and test Download.
- Provide the follow Documentation to the Site:
  - **Completion Certificate** – *via email*
  - **How to Guide** -system Operation – *Via email*
  - **How to Guide** -Playback and export of footage – *Via email*
  - **CCTV Recorder quick user guide**
  - **Device Datasheets** – *via email*
  - **Log Book**
- Provide training for responsible person(s) on site for system operation, playback & downloading of footage
- Install & setup mobile device applications
- Leave system fully operational
- Certificates will be issued for the following modules: **Design, Installation, Commissioning, Acceptance**

## Items NOT Included / Disclaimers

- Asbestos R&D Survey – *This is to be undertaken by the client prior to our commencement of works (if deemed necessary), in no way will Blake Fire & Security be responsible for Asbestos surveys or removal.*
- Chasing of walls for conduits and flush cabling – *we will install surface trunking/conduit*
- Installation of flush conduits and containment – *we will install surface trunking/conduit where required*
- Containment above ceilings - *these can be shared with data wiring if kept separated*
- Site accommodation and storage (minimal required) – *most equipment will be stored on the engineer's van*
- Temporary power and lighting within the work area
- It is highly recommended that the CCTV system be implemented with a Backup Power Supply to prevent system damage in the event of power loss. Consideration to the ups protection duration will be dependent on the size of the CCTV system and the risks highlighted specific to the site. These may be supplied & installed at additional cost.
- Please assume all cameras included within this quotation are white in colour unless stated otherwise.
- Initial CCTV Remote Connection Setup is subject to there being;
  - A) A live network point/ router near the CCTV Recorder
  - B) A live Broadband Connection on site, on the day of install, with necessary Login details for the router Provided.Any Subsequent Parts/Faults/Labour/return visits will incur additional cost.
- Repeated remote Connection Set Up - After the initial installation changing your broadband provider, router or even defaulting your router will mean a chargeable visit to set this up again.
- Please be advised, we will initially setup the CCTV remote viewing app on any mobile devices as part of the installation, however any issues/recalls relating to dropouts of the remote app on your devices will not be covered under warranty. Any remote viewing app faults caused by (but not limited to) issues with the sites broadband / mobile devices / PCs will not be covered under warranty and any return visits/callouts will be chargeable.
- This quotation is subject to the existing column at the cabin & carpark being suitable; clear from faults & any issue/labour/parts required will incur additional cost.
- Part 1 - We will require clear access to the work area in the carpark to install the cameras on the CCTV column – failing this any delays/return visits/labour will be chargeable.



## Guarantee Period

Our typical warranty guarantee period for the goods we install is typically 12 months from the date of the installation. Usually, a replacement or loan working unit will be installed in place of the faulty equipment, typically this will be of the same/similar specification but in some cases i.e. if it is a specialised piece of equipment we will use the nearest specification available to us.

Faulty goods will be returned to the manufacturer to be assessed/repaired/replaced.

Misuse or tampering with the equipment will invalidate the warranty and charges will be applicable.

If the manufacturer offers an extended warranty longer than a year this will normally be honoured but any costs incurred by Blakes to facilitate the repair or replacement of the equipment will be chargeable.

## Data Protection Act

Under the 'Data Protection Act' you may have to register your CCTV system with the information commissioner office (ICO). See <https://ico.org.uk/for-organisations/data-protection-fee/self-assessment/> to check if you need to register your system, please be advised this is a legal obligation.

We always recommend that CCTV warning signs are used even if the system may not require them to comply with the Data Protection Act and GDPR. The size location and frequency of the signs will depend on where the cameras are positioned and their field of view.

We will install signage as part of the installation, if you don't have signage installed then it may mean you don't comply with the DPA and GDPR.

The below links give more information that may be useful:

<https://ico.org.uk/for-the-public/domestic-cctv-systems/>

<https://ico.org.uk/for-organisations/uk-gdpr-guidance-and-resources/cctv-and-video-surveillance/guidance-on-video-surveillance-including-cctv/>

<https://ico.org.uk/for-organisations/sme-web-hub/checklists/data-protection-self-assessment/cctv-checklist/>



## System Equipment

Blake Fire & Security use only OPEN-PROTOCOL products which are available to all competent CCTV Contractors. We believe using products which are closed or managed protocol, will only cause issues further along the life of the system and when looking for competitive maintenance packages.

Below are the systems and protocols we usually specify:



Our aim is to ensure you are comfortable that the equipment you are receiving is of the highest quality, most reliable and the most availably maintainable equipment possible.

## Mobile Devices & Remote Connection Setup

Blake Fire & Security will setup your newly installed CCTV system with any mobile devices you have. These include but are not limited to:

- Android Phones
- Apple Devices
- Tablets
- PCs

Unlike other cloud-based CCTV systems and company-monitored security systems -the remote access apps we use are not subscription based -they are free to download & install from the Play/Apple store or Hikvision website.

All that is required is for us to install the CCTV system and you monitor the system yourself. This enables customers to enjoy unlimited access to their surveillance footage free of charges such as monthly fees.

Whether you are on your home Wi-Fi network or using data from across the globe -this remote viewing option will ensure peace of mind for any client or business owner.





## **Blake Fire & Security - Blake Electrical - Blake Contractors**

### **SCHEDULE OF RATES 2026**

#### Normal Working Hours - Monday to Friday 08.00 - 16.30 hours

Minimum charge, includes first hour*	£ 130.00
Rate per hour (thereafter)*	£ 65.00

#### Outside Normal Working Hours

Minimum charge, includes first hour*	£ 230.00
Rate per hour (thereafter)*	£ 130.00

### **LONDON RATES**

#### Normal Working Hours - Monday to Friday 08.00 - 16.30 hours

Minimum charge, includes first hour*	£ 210.00
Rate per hour (thereafter)*	£ 84.00

#### Outside Normal Working Hours

Minimum charge, includes first hour*	£ 315.00
Rate per hour (thereafter)*	£ 168.00

**Guaranteed Response Time for Call-Outs is 4 hours**

**NB**

**\*Time charged includes travel and time onsite**

**Plant, materials and expenses charged at Cost Plus 20%**

**The above costs are subject to V.A.T.**