



Farm and Rural Security Specialists

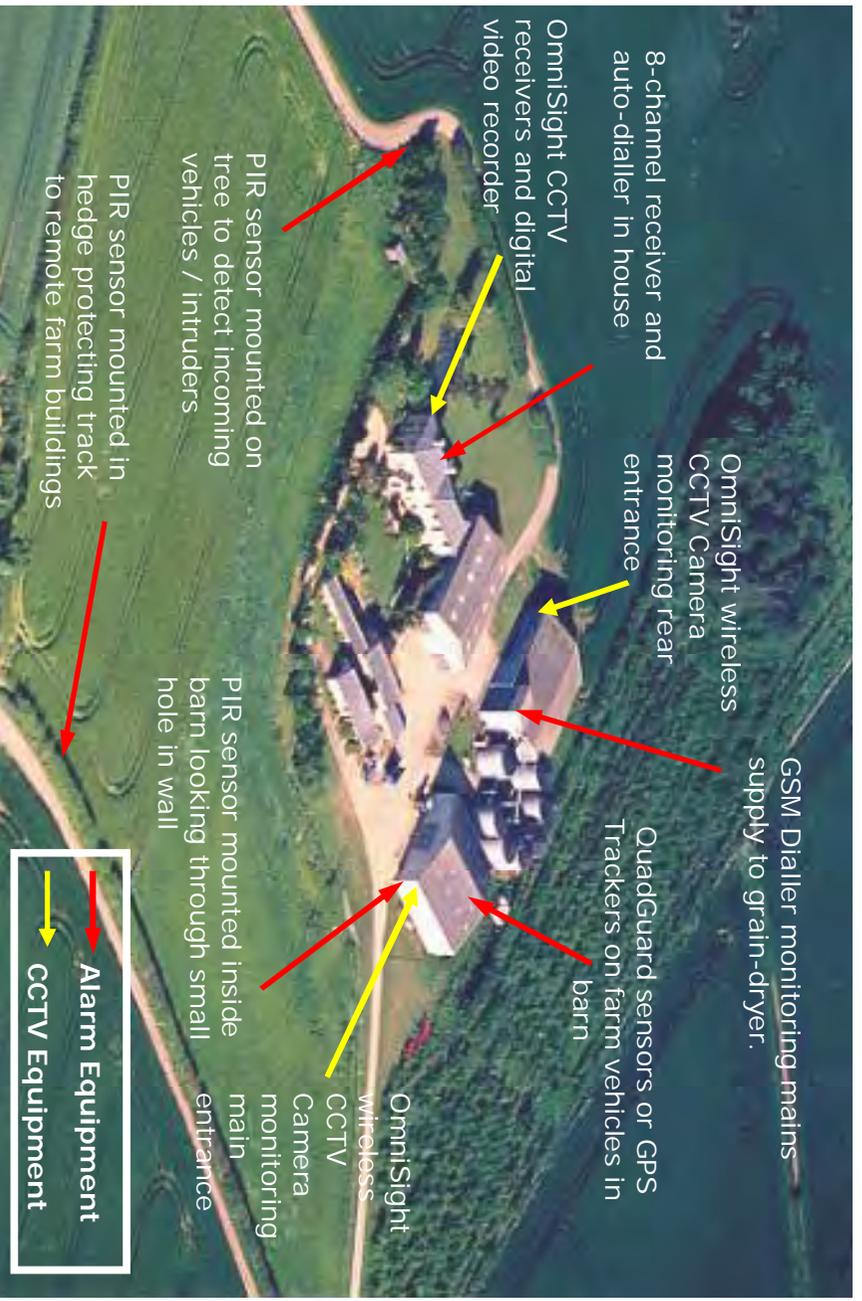
- ◇ Gateway Alarms
- ◇ Perimeter Protection
- ◇ CCTV for Security
- ◇ Foaling / Calving Cameras
- ◇ Horsebox Cameras
- ◇ Fuel-theft Prevention
- ◇ Security for Plant and Machinery
- ◇ Workshops & Tackrooms
- ◇ GPS Trackers
- ◇ GSM Alarms



Alarms for Farms



Below is a typical simple application, in which PIR sensors and wireless CCTV cameras are used to protect the two farm entrances. All sensors are completely wireless and self-contained, so can be installed in moments and moved as required with the minimum of fuss. Cameras require mains power, but are otherwise wireless.



Alarms for Farms
 The Old Mill, Hownam Howgate, Kelso, Roxburghshire, TD5 8AJ
 01573 440761
www.alarmsforfarms.com

Introduction

Farm Security and Rural Crime Prevention

Welcome to Alarms For Farms, a UK based manufacturer of rural security systems, including wireless perimeter protection for vulnerable areas of the farm and remote farm security cameras. In 1994 we started with a single product, a long-range wireless gateway alarm.

From such humble beginnings, Alarms for Farms has developed the most comprehensive range of specialist farm security systems in the UK. Responding to customers' requests we have developed an unparalleled range of **wireless perimeter protection** systems, **GSM alarms**, **wireless gateway and driveway alarms** and **wireless CCTV and surveillance camera systems**.

Wireless CCTV is one area where we are truly UK market leaders, and our flagship OmniSight wireless CCTV system is ideal not only for security use, but also as calving, foaling and lambing cameras. You'll not find a more highly specified system in terms of image quality and transmitting range on the UK market.

The advent of mobile technology has allowed us to develop alarm systems that will alert you by text message the instant an intruder arrives, and CCTV installations that you can monitor over the internet using a computer, tablet or smartphone from anywhere in the world.

We have a number of products that will interest the equestrian market, such as **Tackroom Alarms** and **Horsebox Cameras**.

Our **GPS Trackers** will appeal to anyone who owns a quad-bike, tractor or other item of valuable plant.

The majority of our equipment is devoted to establishing long-range wireless links allowing users to monitor large and remote properties without the need to run cables, which would be both costly and disruptive.

Some of our equipment is designed and produced in-house. Some comes from other UK manufacturers, and some we import. All is rigorously tested and evaluated before we bring it to market, ensuring that you, the customer, can be confident that you're investing in a quality product that will serve you well for years from the UK market leader.

Please call us with *any* queries on 01573 440761

GPS Trackers

What is GPS?

The Global Positioning System (GPS) is a space-based satellite navigation system that provides location information in all weather conditions, anywhere on the Earth where there is an unobstructed line of sight to four or more GPS satellites. The system is maintained by the United States government and is freely accessible to anyone with a GPS receiver or tracking device.

The GPS project was developed in 1973 and since then has been incorporated into just about every aspect of life. As well as in-car satnav systems, GPS technology has entered the consumer market with the development of GPS Trackers that allow you to track the location of a piece of equipment, in real time, anywhere on the planet. Note that for a GPS tracker to work effectively, its antenna must have a reasonably clear view of the sky.

Mini Tracker



A remarkable little GPS tracking unit that will report its position, speed and direction from anywhere in the world to an accuracy of a few metres. It can be slipped into the pocket of a child or elderly relative, or fixed to an item of machinery (such as a car, tractor or quad-bike). It has an internal rechargeable battery that lasts about 48 hours, and can be connected to a vehicle's 12V supply for continual use. To track it, the user simply calls the number of the sim card,

then hangs up. Within a few seconds the unit will send a text message giving its latitude and longitude co-ordinates, along with its speed and direction. A link in the text message will call up a Google map with the tracker's location pinpointed, giving you an immediate, real-time fix on your stolen vehicle.

You can also set it up to report automatically if it moves above a certain speed (handy for monitoring teenagers' driving habits!), or even if it moves outside a pre-determined area (e.g. a mile of your home).



It's about the size of a match-box, so can be very easily hidden. It comes complete with a mains charger, a 12 - 24V charger for hardwiring into your vehicle's supply for a permanent installation, a powerful magnetic back for mounting, a waterproof case and a spare lithium battery pack.

Maxi Tracker



Boasting all the functions of the Mini Tracker, but fitted with a high-capacity 2-month battery pack and connections for external GSM and GPS antennae. Suitable for use in larger items of plant where the large metal structure may make the inbuilt antennae struggle for a signal.

Extremely rugged and waterproof.

Dimensions : 90 x 56 x 35mm (3½ x 2 x 1½")



Trailercam Horsebox Cameras



Trailercam



A 3.5" monitor / receiver coupled with a wireless waterproof camera / transmitter providing crystal-clear images over an analogue transmission. In the vast majority of cases, this analogue transmission is free of interference from sat-navs etc. A great low-cost solution to the stress of transporting animals.

A spare / replacement 3.5" monitor is available for installation in a second vehicle. Handy if you have a trailer fitted with a camera that is shared between two vehicles.



Trailercam Delux

A 7" monitor / receiver coupled with a wireless waterproof camera / transmitter providing crystal-clear images over an analogue transmission. In the vast majority of cases, this analogue transmission is free of interference from sat-navs etc. Can also be used as a foaling camera, with the camera in the stable and the monitor in the house. Package includes one camera. Additional cameras available for reversing / hook-up etc.



Trailercam Additional Camera



An additional camera for your Trailercam Delux system. The monitor will accommodate up to four cameras.

Trailercam Digital

A 7" monitor / receiver coupled with a wireless waterproof camera / transmitter providing crystal-clear images over a digital transmission that prevents interference from sat-navs and other in-car devices. Package includes one camera. Multi-camera systems available. Call us for details.



Diesel Theft Prevention

Diesel-theft is one of the UK's growth industries, driven by sky-high fuel prices and the ease of shifting stolen fuel on the black market. We have a number of systems that will stack the odds back in your favour, giving you instant warning when a theft is in progress, and allowing you to keep an accurate tab on the amount of fuel in your tank.



Tank Proximity Alarm

This provides instant warning when an intruder is sneaking around your fuel tank using one or more weatherproof infra-red "beam" PIR sensors. These sensors will send a wireless signal up to 500m to a receiver in the house, where a buzzer will sound. You can also install a second receiver close to the tank to drive a siren, which will act as a powerful deterrent. A GSM dialler (see page 7) can be added for remote notification. The components in this system are taken from our award-winning FarmGuard range, which allows you to set up a comprehensive security system protecting the whole farm. See back page for an example.



Watchman Alarm



This superb little system has two distinct functions:

- 1) It constantly monitors the level of fuel in the tank and provides a graphical display and an audible beep when the level gets low.
- 2) If the level in the tank drops suddenly (faster than 1.5cm / minute), a loud audible warning is given at the receiver in the house. This will alert you that someone is draining the tank, either through the nozzle or by drilling into it.

The level is monitored by an ultrasonic sensor that mounts on top of the tank. The transmitting range between the tank and the receiver is **200m**. The system is suitable for tanks between 0.5m and 3m tall (18" to 10ft).

UniWatchman Controller / Alarm



Similar in principle to the Watchman Alarm shown above. The upgraded receiver has several benefits, including a more accurate level indication, relay outputs for activation of external siren / dialler and a "Waste Tank" mode that warns of over-fill.

The level is monitored by an ultrasonic sensor that mounts on top of the tank. The transmitting range between the tank and the receiver is **200m**. The system is suitable for tanks between 0.5m and 3m tall (18" to 10ft).

UniWatchman GSM Controller / Alarm



The UniWatchman system (above) packaged with our metal-clad GSM dialler (see page 7) to provide immediate warning via text message / voice calls when theft from the tank is detected.



Active Infra-red Perimeter Protection

Wireless infra-red beams and receivers

This system is designed to provide instant protection against the spiralling scourge of rural theft without the hassle and expense of running cables. It is based around a series of wireless active infra-red beams, which signal back to the farmhouse / site office immediately an intrusion is detected.



Using the system, selected vulnerable areas can be protected by an invisible infra-red cordon. Any intrusion through this cordon will trigger an alarm in the house. This alarm will alert you to the intrusion, providing instant indication of the location.

Where remote monitoring is needed, we have a receiver with a built-in telephone dialler and another with a built-in GSM dialler, which will immediately alert you or a neighbour in the event of an intrusion. Up to ten numbers can be called in sequence. A high-power siren and / or lighting may also be installed, to act as a very effective deterrent.

As the sensors are wireless, absolutely no preparatory groundwork is required, and the sensors can be installed in a matter of minutes. If the need arises, it's a simple matter to relocate sensors to provide protection just where you need it. It really is that easy... and because there are no cables to run, it works out extremely cost-effective.

An extremely high degree of immunity to false alarm is provided by the sophisticated dual-beam sensors. We have a variety of beam-lengths from 20m to 200m, allowing long stretches of perimeter to be protected. We also have a wide range of accessories, and sensors to monitor vulnerable doors, internal areas and to detect fire, mains-failure, machinery shutdown etc. The components are listed separately, but we offer special deals on selected packages. Please call us to discuss your requirements.

Solar-powered active infra-red beam sets:



Each beam comprises a transmitter and a receiver. One unit goes at each end of the beam, and a built-in radio transmitter will relay the alarm to a receiver / control unit up to a kilometre away the instant the beams are broken.

The active dual-beam gives an extremely high level of immunity to false alarms from falling leaves, birds etc.

The beams have a built-in battery pack, which is kept topped up by a small solar panel on the top. They require only an hour or two of decent daylight / week to stay charged.

Remote Solar Panel

If either of the beam sensors is to be located in a permanently shaded location, you can connect a little remote solar panel to ensure its battery remains topped up. Measures approx 3" x 2".



Solar-powered repeater

Designed to boost the signal from any of the beams / transmitters. Requires no power supply or wiring, and will add up to a kilometre to the transmitting range.

Accessories

A variety of internal sensors, keyfobs, laser pens for alignment and other accessories is available. Please call us on 01573 440761 or see www.alarmsforfarms.com for further details



Wireless and Hardwired CCTV for Security

OmniSight Wireless CCTV for Security

A high-specification system featuring a super-high-resolution (700TVL) weatherproof camera with a vari-focal lens (approx 20 to 90 degree), built-in infra-red lighting effective up to 60m in complete darkness and a separate transmitter. The transmitter and receiver can be connected to high-gain external antennae to boost the range (see page 8). The small aerials supplied as standard will transmit about 80m line-of-sight. As the transmitter isn't built into the camera, you can site it to optimise the transmitting line to the house. It connects to the camera with a pre-formed plug-and-socket lead. This is 10m long, but can be extended if required.



The package includes a receiver that simply connects to the scart socket on any TV, via a digital video recorder if recorded footage is required (see below).

Transmitter and receiver are both supplied in weatherproof enclosures, allowing them to be fitted outside for optimum transmitting range.

OmniSight Hardwired CCTV for Security



If you're lucky enough to be able to cable from your cameras to your recorder / monitor, this is the system for you. It uses the same super-high spec camera as the wireless OmniSight system above, but is supplied with an interconnecting cable instead of the wireless transmitter and receiver. This cable is 10m long, but can be extended almost without limit if required. Please call to discuss.



4-channel Digital Video Recorder (DVR)

If you need to record the footage coming back from your CCTV system, this unit will monitor up to four cameras. It has a built-in 500Gbyte hard drive that will store about a week's continuous footage from four cameras. If you enable the "motion detection" feature, it will record only when activity is detected in front of any of the cameras, saving you having to wade through hours of blank footage and dramatically extending the time that the disk will record before over-writing old footage.



It also has a networking facility that allows you to connect it to a broadband router and monitor your system from anywhere in the world on any web-connected PC, tablet or smartphone.

Wireless CCTV for Calving, Lambing and Foaling



CrystalVision Wireless CCTV

A low-cost solution featuring a medium-resolution (420TVL) weatherproof camera with built-in audio, infra-red lighting and transmitter. The small antenna on the back can be replaced with a high-gain external antenna to boost the range (see below). The small aerial will transmit about 80m line-of-sight.

The package includes a 4-channel receiver that can be used to cycle through up to four cameras, either manually or automatically. The receiver simply connects to the scart socket on any TV.



OmniSight Wireless CCTV for Livestock

A high-specification system featuring a high-resolution (700TVL) weatherproof camera with built-in infra-red lighting and a separate transmitter. The transmitter and receiver can be connected to high-gain external antennae to boost the range (see below). The small aerials supplied as standard will transmit about 80m line-of-sight. As the transmitter isn't built into the camera, you can site it to optimise the transmitting line to the house. It connects to the camera with a pre-formed plug-and-socket lead. This is 10m long, but can be extended if required.

The package includes a 4-channel receiver that can be used to cycle through up to four cameras, either manually or automatically. The receiver simply connects to the scart socket on any TV.

Transmitter and receiver are both supplied in weatherproof enclosures, allowing them to be fitted outside for optimum transmitting range.



Long-range Transmitting / Receiving Antenna

The small aerials provided with the CrystalVision and OmniSight kits will provide a transmitting range of about 80m line-of-sight. This can be extended to about 250m using our high-gain antenna at one end (either transmitter or receiver) and up to a kilometre if used on both ends. Supplied with cable for connecting to transmitter / receiver, and a J-pole mounting bracket.



Single-channel receiver



The simplest of the receivers available on this system. Comes with a buzzer and a clean relay contact, which are activated when the beam is broken. The receiver connects to the mains with the power adaptor provided. The relay output can be used to power an external siren or a security lighting controller.

Six-channel receiver / buzzer



The ideal receiver for use as a Gateway Alarm. Comes with a built-in buzzer and a clean relay contact, both of which are activated when the beam is broken. The receiver connects to the mains with the power adaptor provided. The relay output can be used to power an external siren or a security lighting controller. Up to six beam-sets can be used with the receiver, and visual indication is provided of which beam has been triggered.

Eight-channel receiver



This receiver is a building block designed to incorporate the external beams into an existing alarm system or CCTV set-up. It provides a clean relay contact for each of the eight channels. The receiver connects to the mains with the power adaptor provided, or it can derive its 12V power supply from whatever alarm or CCTV system it is connected to. Up to eight beam-sets can be used with the receiver, and visual indication is provided of which beam has been triggered.

Eight-channel receiver / dialler



This receiver features a built-in landline telephone dialler (i.e. it plugs into a landline), which will call up to six numbers when the system is triggered. It is armed and disarmed with a remote control keyfob. Up to eight beam-sets can be used with the receiver, and visual indication is provided of which beam has been triggered.

Eight-channel receiver / GSM dialler



This receiver features a built-in GSM telephone dialler, which will call up to six numbers when the system is triggered. It takes a sim card (Vodafone sim provided as standard, but can be used on any network) and will perform text messages and / or voice calls to provide instant remote monitoring. No landline is required, and the receiver can be powered by a 12V battery if no mains supply is available. It comes with a mains adaptor and is armed and disarmed with a remote control keyfob. Up to eight beam-sets can be used with the receiver, and visual indication is provided of which beam has been triggered. (Phone not provided)

99-channel receiver / Landline & GSM dialler



This unit has all the features of the 8-channel GSM receiver, but will accommodate up to 99 wireless sensors and four hardwired devices. It has both landline and GSM dialling / SMS capability, and stores a pre-recorded message which it plays when calling. Boasts a host of clever programmable features such as automatic scheduled arming and disarming, and the ability to monitor selected sensors at preset times of day. Please call us on 01573 440761 or visit www.alarmsforfarms.com for further details.

Gateway Alarms

FarmGuard External Wireless Security

Transmitting range - 400m (extendable to 1mile with antennae below)

Single-sensor Passive Wireless Gateway Alarm

The movement sensor is fully weatherproof and battery-powered, allowing you to position it virtually anywhere without having to run any cables. Its 30m beam will detect the passage of any vehicle or pedestrian and send a signal back to the receiver in the house, where a buzzer will sound. Sensor batteries (a pair of AAs) last 12 – 18 months in most applications, and take only a moment to change.

The receiver simply plugs into any mains socket, and can be moved around the house as required. Various accessories (sirens, diallers etc) are available.



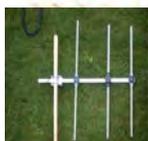
4-sensor Passive Wireless Gateway Alarm



Similar in principal to the single-channel system, but using our versatile eight-channel receiver and four external weatherproof sensors to provide coverage of a wider area. The eight-channel receiver will provide visual indication of which sensor has been triggered. Sensors may be added to the system (up to a maximum of 64) to provide comprehensive protection of a large property. For accessories like pagers, sirens and telephone diallers, call us on 01573 440761 or visit www.alarmsforfarms.com

Medium-range whip antenna

Plugs directly into the receiver and increases reception range to around 800m.



Long-range Yagi antenna

Plugs directly into the receiver and increases reception range to around a mile.



Active Infra-red Gateway Alarms

Transmitting range - 1km

Single-channel Active Wireless Gateway Alarm

Using our superb active dual-beam sensors (up to 200m beam-length available) and the basic single-channel receiver (see page 5), you can protect a gateway / entrance up to a kilometre from the house with absolutely no wiring.



Six-channel Active Wireless Gateway Alarm

As above, but packaged with our 6-channel receiver to allow for future expansion.

GSM & Landline Diallers

Remote notification of alarms via the mobile (GSM) network

Any of the preceding alarms can be monitored remotely by the addition of a dialler. We have a variety of diallers designed to suit any application.

If you have a landline available, a simple landline dialler will suffice, allowing you to call up to three numbers and report an intrusion. If no landline is available, or if you want text messages or the added security and convenience of a dialler that operates on the GSM network, one of our GSM diallers will fit the bill.



Landline Dialler

A basic low-cost dialler that requires a landline to dial out and report any activation of your alarm system to a selection of pre-programmed phone-numbers (up to nine). Anyone receiving the call can prevent the dialler continuing down the list simply by pressing a key on their phone. It allows you to record an outgoing message identifying the property and reporting the intrusion.



Wireless Metal-clad GSM Dialler



A beautifully-made wireless receiver / GSM dialler in a sturdy metal-clad enclosure. The advantage offered by the wireless GSM unit is that sensors and triggering devices do not need to be hardwired, allowing you to locate the dialler in a more convenient and secure location. It requires a 12V DC supply, which can be derived from the mains using the adaptor provided with the unit, or from a leisure battery if no mains supply is available.

When triggered, the system will generate voice calls and text messages to a selection of pre-programmed numbers (max. 5). It can be armed and disarmed using the metal-clad remote control handset provided, or by text message.

The unit boasts 16 wireless and 3 hardwired channels.

We supply it with a Vodafone SIM card, but you can use any card you like.

99-zone GSM Control Panel with Landline Dialler

A very sophisticated receiver / control panel with 99 wireless and 4 hardwired zones. It features a combined landline / GSM dialler, meaning it can be connected to a landline if one is available to make voice-calls, or send voice-calls and text messages using a SIM card. The GSM facility allows the unit to provide a remote monitoring facility where no landline is available, making it perfect for remote or temporary locations such as farm buildings and construction sites.



It is compatible with our active infra-red perimeter protection beamsets and with the internal PIR sensors, smoke detectors, and door contacts listed on page 4.

We supply it with a Vodafone SIM card, but you can use any card you like.