External Perimeter Protection
Alarm & Video

**Having secured your premises internally from intrusion it may be
of benefit to protect surrounding external areas and approaches to your premises
with a combination of outdoor Alarm & Video Recording**

External Movement Detection

With our External Tri-Technology sensors protect up to a 12m surrounding area providing confirmed movement with its Pet Tolerant design. Using two infra-red sensors with one covering the lower level below waist height and the second covering the upper level above waist height it will. eliminate "False Alerts" by animals such as Foxes, Cats and Dogs etc.

In addition, the unit also has a built-in microwave sensor looking for the confirmation of a physical movement in tandem with both infra-red's simultaneously being activated.

Combined with Anti-Sway and Anti-Masking Technology it prevents False Alerts from foliage moving in windy conditions and from the sensor being blocked or covered, thereby, negating it's effectiveness.

Available in both a Hard-Wired model and a Wireless version multiple sensors can be situated in varying locations to cover larger areas, if required. in combination with the Building Alarm and CCTV (if installed), provides you the ability to monitor activity on the premises before internal access to the property may be potentially gained. Thereby, being able to sound the Alarm prior to any close proximity encounter.

If the Building Alarm System is connected to the HomeControl App the system will send Alert messages to all Smart Phones connected to indicate a Perimeter Breach!

Ideal for either Domestic and all Commercial Installations.
https://www.pyronix.com/uk/downloads/xdl12tt-am-technical-data-sheet
Demonstration Video: **https://youtu.be/8AhnDfjouVU**

External Detection with Light & Video

Either Stand-Alone or in conjunction with the External Tri-Tech Beams these units provide more to the armoury when protecting your premises and peace of mind.

Acting as a Security Light with twin lamps providing 2500 lumens (equivalent to that of the old style 200W Halogen Flood Lamps) it has a 270 degree infra-red sensor to detect movement of up to approximately 9-Meters.

In addition, with a Full HD 1080p Resolution Camera coupled with built-in motion detection it will record activity onto an internal SD Memory Card. These images can be be viewed remotely from the HomeControl App on your Smart Phone. Alternatively, you can open the App and access the camera at any time and survey your premises remotely.

If used in conjunction with the external beams which will notify you of a "Perimeter Breach" in that area by means of messaging via the Property Alarm system and the HomeControl App, you can then log onto the camera remotely and view the area of concern whilst it records all activity taking place. On verification of movement you have the facility to either engage in two-way communications with its built-in microphone & speaker. Alternatively, you could opt to activate from your phone the built-in 100-decibel Siren to ward off any unwanted attention at your premises.

The device requires a 240v AC Mains Supply to operate.
https://www.pyronix.com/uk/downloads/lightcamera-datasheet
Demonstration Video: **https://youtu.be/d5ZfU6UrozQ**

Wireless WiFi Battery Cameras

A small and robust, simple to use Stand-Alone Camera which works from your phone through our HomeControl App.

Suitable for both indoor & outdoor use with an easy to install Magnetic Mounting Bracket and built-in battery. No need to replace batteries simply put on charge when necessary or have the camera installed with it's own Solar Panel to keep the battery level continuously topped up.

With a Full HD 1080p Resolution Camera coupled with built-in motion detection it will record activity onto an internal SD Memory Card. These images can be be viewed remotely from the HomeControl App on your Smart Phone. Alternatively, you can open the App and access the camera at any time and survey your premises remotely with the facility to engage in two-way communications with its built-in microphone & speaker.

Facility to playback videos, capture video footage to examine, save and share and store snapshots. With an adjustable motion sensitivity feature it can send Notifications/Alerts to your phone via the App.

https://www.pyronix.com/uk/downloads/batterycam-datasheet
Demonstration Video: **https://youtu.be/djsprIJ4Nio**

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for Commercial Security Grade CCTV we recommend a Hard-Wired IP Network System with a direct physical Ethernet Network connection for complete security. (see CCTV Systems & IP Networks)

CCTV & IP NETWORK SYSTEMS

Control Equipment (NVR)

All CCTV Systems require a Controller to operate and manage the system. They are called NVR's (Network Video Recorder) and have Hard-Drive(s) for the storage of data (images/recordings). The size of the Hard-Drive will depend on the amount of cameras to be used and the lentgh of time it is required to save data.

Each NVR will be specified for its application and take a differing amount of cameras and these are known as Channels. NVR's start at the size of 4-Channels then go up to 8-Channel, 16-Channel and 32-Channel and continue in size as required.

There is also a vast range of differing technologies available so the equipment to be used will be specified accordingly.

NVR's can be set to 24/7 continuous Recording or Motion Detection triggered only in order to optimise the storage space on the Hard-Drive. Once a Hard-Drive has used up all the space available and is at capacity the oldest data will automatically be overwritten by the new data, effectively recording in a continuous loop to the full capacity of the Hard-Drive installed.

The NVR would have a direct (Hardwired) Ethernet Link to the Operators (End User) Router for a secure connection to the internet so that the Operator can view "Live Images" and "Playback" from their Smart Device. Data/images can also be downloaded to an external media such as a USB Stick etc, if required for evidence. It is also possible to share data via alternative forms of media and email. For High Security systems they can be connected to a 24-Hour Monitoring Station, if required.

The device requires a 240v AC Mains Supply to operate.

https://puretechsecurity.co.uk/mwdownloads/download/link/id/980/
https://puretechsecurity.co.uk/mwdownloads/download/link/id/5669/

Monitors

Flat Screen LED Monitors are an optional requirement to CCTV Systems as not all CCTV Systems are being permanently viewed. For Domestic installations it can on occasions be enough to simply have online access only to a Smart Phone, PC or Tablet.

For most Commercial applications they tend to be more of a necessity but this can vary. These are connected using an HDMi connection lead.

If a Monitor is required then a specific size can be agreed and there are a wide range of mounting brackets (ceiling/wall) or can simply be self desk standing.

The device requires a 240v AC Mains Supply to operate.

Cameras

Once again with CCTV systems they are designed for their specific purpose and application.
To that end a Camera most suited to each application would specified for its function and the environment it is required to operate in.

There are a variety of styles such as Bullet, Turret, Anti-Vandal/Dome, Fisheye, Thermal, PTZ, Panoramic and many more and all have a variety of functions, features and purposes.

All IP Cameras are connected to the NVR with a CAT5e Ethernet cable. The cable connection transmits the Data Signal (images) and also provides the Low Voltage Power supply (POE - Power over Ethernet) for them to operate.

For more specific design and specificationa a full Site Survey would be necessary