



# CCTV Jargon Buster.

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The smarter way to protect your home.

## What do the icons mean?



### High Definition Viewing Quality

Yale Smart HD CCTV allows you to stream video in high definition resolution.



**Number of Cameras in your CCTV Kit** - Yale offer a range of CCTV Kits which are available in a number of formats. This will indicate how many cameras you should expect to find in the pack.



**Day & Night Vision** - Yale CCTV cameras offer the availability to record in colour during the day and switch to black & white at night by using the cameras built in infrared LED's (IR). These will cover a range of distances and be specified within the logo.



**Weather Resistant** - This icon indicates whether the Yale CCTV cameras are suitable for use outdoors. If the cameras are suitable they will be given an IP rating which will indicate if they are weather resistant or weather proof.



**TV / Monitor Connections** - Yale DVR's and cameras are able to connect to your TV or monitor through a number of connections. This can be via HDMI or VGA connection.



**Number of Channels playback** - This will indicate the number of camera streams you are able to view on screen at once.



**Size of Storage** - Smart HD CCTV kits include DVR's with a pre-installed Hard disc drive (HDD).



**USB Backup** - Yale Smart HD CCTV kits allow you transfer recorded footage onto a USB Flash Drive. This will allow you to transfer data on to a PC or pass onto relevant bodies if required.



**Remote Viewing** - View your CCTV footage live on your Smartphone or tablet from any remote location as long as your device is connected to Wi-Fi, 3G or 4G. You can also view on your PC using your web browser.



**Installation** - All Yale products come with the required wires, fixtures and fittings for DIY installation.

## What is a DVR?

A DVR (Digital Video Recorder) simultaneously monitors and records video footage from a number of cameras connected to the recording device. Video images captured are recorded and stored to a hard disc located inside the DVR. This can be easily displayed on a standard television or monitor. Yale DVR's can be connected to the internet to allow viewing from your Smartphone or tablet<sup>1</sup>, via the Yale CCTV app.

A Hybrid DVR is a recording device that can accept more than one type of video signal input. The most common video signals used today are analogue BNC & IP network cameras. The advantage of having a Hybrid DVR is the ability to use analogue cameras, while adding IP cameras to areas that need more detailed monitoring through better image quality.

## What is recording & playback resolution?

When you are searching for a standalone digital video recorder you will see different types of recording and playback resolution. These could be for HD720/ HD1080.



## How do I connect the Yale DVR recorder to a TV Monitor?

Yale DVR's have the following video outputs, HDMI or VGA, allowing you to view your CCTV system on a number of different types of TV's or monitors.

VGA output allows you to view your CCTV system on your PC monitor or LCD, LED TV provided it has a VGA input port. HDMI allows you to view your CCTV system on LCD, LED or Plasma TV providing it has a HDMI input. HDMI allows you to view video in high definition up to 1080p resolution.



VGA

### How many cameras can I install?

The number of extras cameras available is dependant on the model of DVR purchased.

### Can I back up my footage via USB?

Yale DVR's have the function to transfer saved footage from the hard disc drive to a USB flash drive. This will help prevent the need to unplug the DVR should you need to show required authorities any suspect footage, thus helping give 24/7 continued surveillance.



HDMI

### How do I connect the DVR to the internet?

The DVR should be connected to the internet router using an ethernet cable (supplied in all Yale CCTV kits).



## What is the difference between Bullet, Dome, PTZ and IPcameras?

**Bullet Cameras** – Bullet cameras are designed to be aimed at a fixed specific location, such as a door, driveway, room, office, shop counter, etc. Bullet cameras are suitable for indoor & outdoor use.



Bullet Camera

**Dome Cameras** - are more discrete than an ordinary bullet camera. They are designed for ceiling mounting and mainly indoor use. Dome cameras make it hard to work out which direction the camera is pointing due to a hidden lens.



Dome Camera

**Pan, Tilt, Zoom (PTZ) Cameras** – PTZ are motorised cameras that can be controlled via a hybrid DVR or Smartphone app. They aren't limited to monitoring at the area they were pointing at, but instead they can pan around, tilt up and down and zoom in and out, helping to provide maximum coverage.



PTZ Camera

**Home View Cameras** – Yale Home View Cameras offer peace of mind by allowing you to view inside your home from your Smartphone or Tablet whenever you have a 3G/4G<sup>2</sup> or WIFI connection, with no monthly fee. View, listen and record live images and video using the Yale Home View App, with optional back up to SD Card (not included) or Dropbox<sup>3</sup>. These cameras can also connect to and Yale CCTV Systems and be viewed via the Yale CCTV App.

### Understanding HD

HD refers to a level of detail on screen that provides more fluid video and more vibrant colours. HD is defined by the number of pixels on the screen. A pixel is the smallest visible element on a display, the 'dots' that make up the picture. The more pixels on the screen, the higher the definition of the image.



IP Camera

### What is 'infrared' night vision?

Infrared (IR) night vision allows your CCTV camera to see in the dark. This is achieved by using the cameras built-in IR LED's. The infrared light provides the illumination required to capture the images in total darkness or low-light conditions.

Yale CCTV Cameras cover a range of up to 30m night vision depending on the model you choose.



# What does 'Weather Resistant' mean?

Weather resistant or weather proof cameras can be used outdoors. We recommend these are shielded from direct sunlight, rain, snow and wind. The cameras power supplies must NEVER be left exposed. Always refer to the Yale manual or packaging for information on the weather resistance or temperature tolerance levels.

## Can I view on my Smartphone, Tablet or PC?

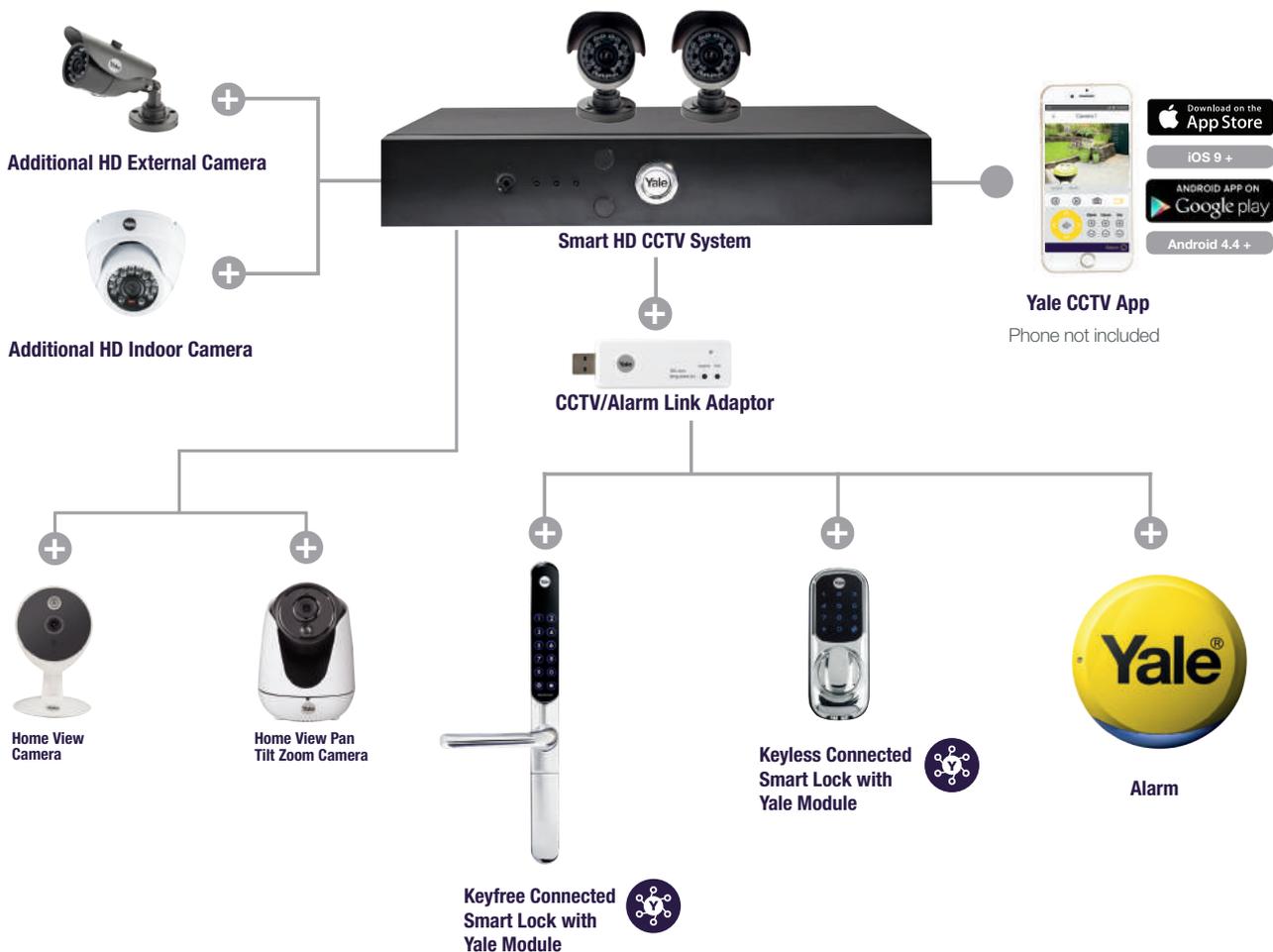
Yale DVR's and IP cameras have the ability to view and monitor from Smartphone & tablet devices. For compatibility please visit the product section at [www.yale.co.uk/smart-living](http://www.yale.co.uk/smart-living).

## Linking your IP camera to your Yale CCTV System

This Yale Home View Pan Tilt Zoom Camera can connect wirelessly to a Yale Hybrid DVR as part of your Smart Home CCTV System. This will allow you to record video from your Home View Camera on to your Yale Hybrid DVR Hard Drive.



# Extending Your Yale System



Your Yale Smart HD CCTV System can be part of a complete Yale Smart Home Security System, connecting Smart Locks (with Yale Module), EF Series Alarms and CCTV together with control through the Yale CCTV App\*. The Hybrid DVR also allows you to connect Yale Home View IP cameras to your CCTV system.

\*Connectivity requires a Yale CCTV/Alarm Link Adaptor, which simply plugs in to a USB slot on the CCTV Hybrid DVR.

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# CCTV FAQ's

## Can I add more cameras to my system?

Yes, dependant on the model of your DVR you can either add an additional 2 or 4 cabled BNC cameras, or add IP cameras via WiFi.

## Will my cameras work at night?

Yes, all Yale cameras have infrared night vision and are equipped to function at night.

## Do the cameras record in colour or black and white?

Colour in the day, black and white in low light conditions (When infrared night vision is activated)

## Are the cameras wireless?

Yale CCTV cameras are currently wired. However the Home View IP cameras are wireless.

## Can I view my camera feeds on my phone?

Yes, providing your DVR is connected to your home broadband you can view footage via the Yale CCTV App when connected to WiFi or 3G/4G.

## Can I link my Yale alarm and Yale CCTV kit together?

Yes, you will need to purchase the CCTV/Alarm Link Adaptor and follow the instructions provided.

## Can I link a Yale connected Smart Lock and Yale CCTV kit?

Yes, you will need to purchase the CCTV/Alarm Link Adaptor and follow the instructions provided.

## Will my system work with 'non Yale' cameras, and will Yale cameras work on the other CCTV systems?

This will depend on the individual camera specifications. Please check the specifications before purchasing. We recommend purchasing Yale cameras to ensure these are compatible with your system.

## Can I increase the storage on my DVR?

Yes, all Yale Hybrid DVR Hard drives can be upgraded to a maximum of 4TB storage.

## Will HD1080 cameras work with a HD720 system?

You can use HD720 cameras with HD1080 DVR, but not the other way around.

## Can I backup the footage from the DVR?

Yes, via the USB port on the back of the DVR.

## How many days recording will I be able to have on my system?

This varies dependent upon the number of cameras simultaneously recording at any one time, and at what level of quality/detail they are recording.

## Can I add IP cameras to my system?

Yes, on DVRs marked as 'HYBRID'.

## Can you buy extension cables for the cameras?

Yes, please visit your local stockist or [www.yalestore.co.uk](http://www.yalestore.co.uk)

## What is the maximum possible distance between a camera and the DVR unit?

Yale recommends using the longer the 30m cable for optimum picture quality.

## How do I connect my CCTV system to my TV?

Via the HDMI/VGA Ports on the back of the DVR.

<sup>1</sup> App available via iOS or Android. Currently not supported on Windows phones.

<sup>2</sup> Be aware data charges will apply when operating Yale app via 3G/4G connection.

<sup>3</sup> 2GB of cloud storage is available free with Dropbox. Additional cloud storage can be purchased. Info accurate at time of publishing.

For more information on Yale's Smart Living range visit: [www.yale.co.uk/smart-living](http://www.yale.co.uk/smart-living)

Find us on Facebook and Twitter or visit our blog at: [www.yalesmartliving.co.uk](http://www.yalesmartliving.co.uk)



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THE YALE BRAND, with its unparalleled global reach and range of products, reassures more people in more countries than any other consumer locking solution.

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

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