

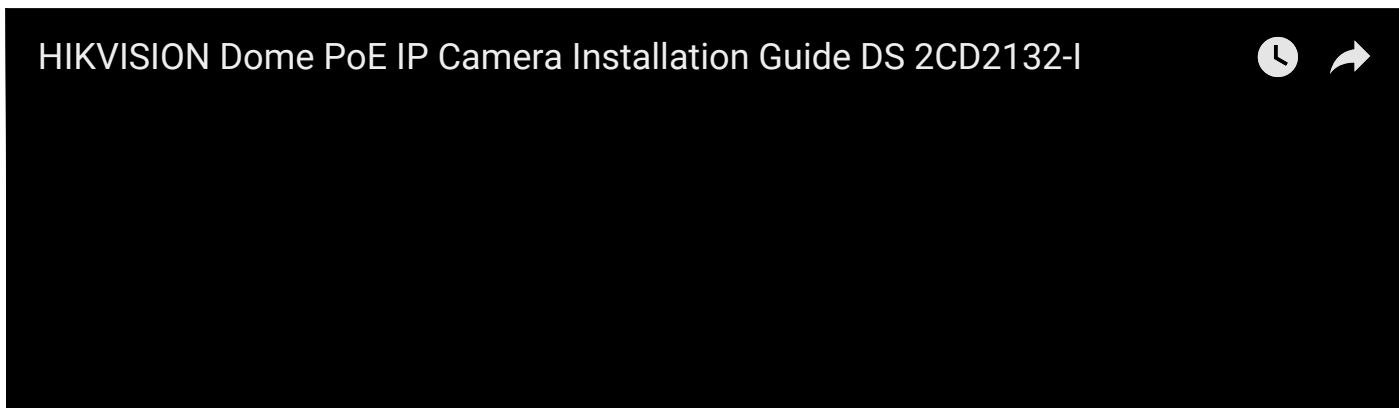


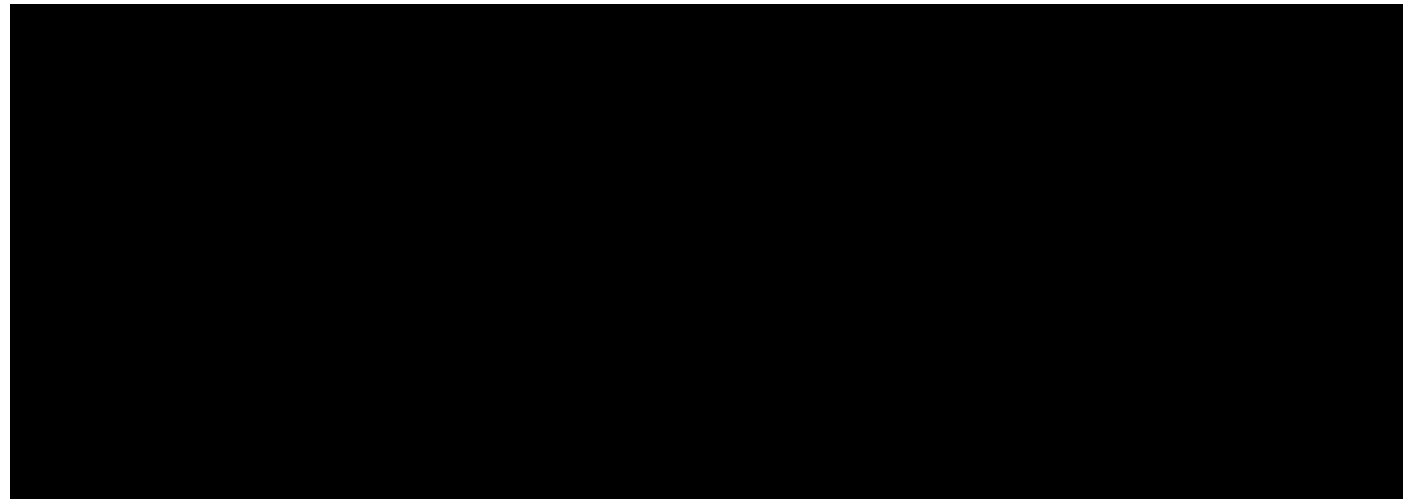
Differences Between IP Cameras and CCTV Systems 2018

IP Cameras systems connect wirelessly via a network to a computer, where the video footage can be viewed on a monitor remotely. CCTV Cameras are wired into a monitor or DVR using coax cables. With an IP cameras system, there is no need for a DVR; instead, your PC sees the cameras as any other computer or device attached to your LAN.

This gives IP Cameras systems several advantages over CCTV. There is no need for additional equipment, such as a video recorder or DVR because the video streams into your computer and can be saved to any media device or the hard drive. The resolution of the video from an IP system is much higher because the Cameras themselves are available with resolutions utilising a much larger number of pixels. The higher the resolution, the larger the file size of the video image, which can make it easier to zoom in on specific details. It is also simpler to connect additional Cameras to an IP system – all it takes is connecting them to the network, as well. Upgrades to software are a piece of cake. The video footage can be viewed from any number of devices with an Internet connection, such as a cell phone, adding to its convenience.

Contact Gary at IP Cameras on 0800 0132341





Details About IP Cameras

Some customers are concerned regarding the high bandwidth required by IP cameras systems and whether or not it will be supported by their internet service provider. Bandwidth used depends on the number of Cameras connected, the resolution of the video images, and the cameras frame rate (how many frames per second are captured).

The cameras system has its own IP address. In effect, it functions as its own web server with a limited amount of memory. IP cameras systems can also be used for video conferencing provided it has a microphone built into the cameras.

The type of cameras you select for an IP system depends on several factors. Such determinants are where the video footage is coming from – a large or small space? Indoors or out? What are the light sources? You may also want to investigate purchasing a camera with advanced features, such as the ability to pan, zoom or tilt via remote manipulation. If you are recording moving people or objects, the frame rate becomes an additional consideration. To capture fast movement, you will need a faster frame rate than the typical one or two frames per second. The quality of the video images also comes into play. The required resolution of your cameras depends on whether or not you need a picture which shows fine detail, or one which captures a broader view.

IP Cameras and systems are some of the most advanced surveillance systems on the market today. They utilise the latest in technology and work in conjunction with your computer, making them easily mobile and adaptable. With the best quality hardware you can afford, your IP cameras system should serve your needs for years to come.



CCTV Camera Installers Near Me

In an analog-based CCTV system, the video image is transmitted over a coaxial cable to a digital video recorder. The DVR converts the analog video signal to a digital signal. Because an analog CCTV system transmits its video signal using coaxial cable it is only one-way data communication method.

IP Cameras Overview

Unlike the analog CCTV cameras, with IP cameras, the cameras transmit the video signal in a digital format to a device called a network video recorder or NVR. The cameras are a network device which means it has an IP address assigned to it. It transmits its signal using an Ethernet category five wire; this is standard computer network cabling. With this method, there is two-way data communication.

CCTV versus IP Cameras Resolution

One reason IP Cameras are becoming very popular compared to analog CCTV Cameras is that the IP cameras transmit a very high-resolution image to the NVR compared to a lower resolution image from the CCTV analog cameras system. One advantage of an IP cameras system is that you can use an existing computer network wiring infrastructure but the main reason is the higher resolution.





CCTV Installation Cameras – IP Cameras

Processing Stored IP Images

When comparing the analog system to the Digital system both systems process their information at a centralized location. Whether it's the digital video recorder or the network video recorder both systems have a Central video management software package installed. This

manages things like video recording, alarm inputs or alarm conditions and then the storage of the images.

Types of IP cameras Systems

There is a variation of the IP cameras whereby a specially designed IP cameras stores the images on board the IP cameras itself. With this IP cameras, the video information is processed right at the source and does not have to be transmitted down the network cabling wire. This means the cameras package the images into a file the same way an NVR would do except this time it's processed right on board the cameras. This IP cameras stores the processed digital files and makes them ready for viewing on any type of storage devices such as an Ethernet hard drive, removable flash disk, or a directly attached storage device.

HIKVISION





CCTV Installation Cameras – IP Cameras

Advantages of a Standalone IP Cameras

There are several advantages to this for example:

You could direct connect an Ethernet external hard disk drive or a special storage unit and start recording terabytes, massive amounts of data getting a high-resolution recording at the cameras without using any of the network bandwidth.

Then, using a standard web browser such as Internet Explorer or reviewing client users on the network can perform video sequence searches, day searches based on time and date, where the video is stored and play these directly back from the storage medium. In this scenario the only time bandwidth is used on the network is when stored images from the IP cameras are viewed.

You're not able to do this on a central IP cameras system because these images are processed by the IP cameras.

When all of the images in a centrally-based IP cameras system pass through the network it is a bottleneck waiting to happen. This can quickly cause network and server overload. When you have multiple Cameras recording simultaneously in high-resolution video, the more Cameras you have potentially the worst that will get. But, this is never a problem for decentralized IT cameras systems.

Get FREE no-obligation quote at CCTV IP Camera installation cost and see what we can do for you!

Areas Covered by CCTV installation cost

Birmingham, Bath, [Blackburn](#), [Bradford](#), [Bolton](#), [Chester](#), [Coventry](#), [Crewe](#), [Derby](#), [Blackpool](#), [Huddersfield](#), [Harrogate](#), [Hull](#), [Halifax](#), [Liverpool](#), [Lancaster](#), [Leicester](#), [Lincoln](#), [Leeds](#), [Manchester](#), [Milton Keynes](#), [Motherwell](#), [Newcastle upon Tyne](#), [Nottingham](#), [Northampton](#), [Oldham](#), [Peterborough](#), [Preston](#), [Sheffield](#), [Stockport](#), [Slough](#), [Sutton](#), [Sunderland](#), [Southend-on-Sea](#), [Stoke-on-Trent](#), [Cleveland](#), [Teesside](#), [Warrington](#), [Wakefield](#), [Wigan](#), [York](#).

Checkout Hikvision CCTV Cameras here to get an idea of the CCTV Cameras available



CCTV Installation Contents

1 Differences Between IP Cameras and CCTV Systems 2018

1.1 Contact Gary at IP Cameras on 0800 0132341

1.2 Details About IP Cameras

1.3 IP Cameras Overview

1.4 CCTV versus IP Cameras Resolution

1.5 Processing Stored IP Images

1.6 Types of IP cameras Systems

By [keepmemag](#) | February 24th, 2018 | [IP Cameras](#) | [0 Comments](#)

Share This Story, Choose Your Platform!



About the Author: [keepmemag](#)



Leave A Comment

Comment...

Name (required)

Email (required)

Website

POST COMMENT

Search ...



Recent Posts

- › [IP Cameras – Differences Between IP Cameras and CCTV Systems 2018](#)

- › [CCTV installation cost – CCTV Camera Prices – CCTV Installations Near Me](#)

- › [CCTV Installation Menston](#)

- › [CCTV Installation Ilkley](#)

- › [CCTV Installation Burley in Wharfedale](#)

Recent Comments

Archives

- › [February 2018](#)

- › [December 2017](#)

- › [September 2017](#)

- › [August 2017](#)

- › [July 2017](#)

- › [June 2017](#)

Categories

> [CCTV Camera Installers](#)

> [CCTV installation cost](#)

> [IP Cameras](#)

> [Uncategorized](#)



CCTV Installation

CONTACT US TODAY

9 York Road

Batley

Wakefield

WF17 0LG

01924505112

RECENT POSTS

> [IP Cameras – Differences Between IP Cameras and CCTV Systems 2018](#)

> [CCTV installation cost – CCTV Camera Prices – CCTV Installations Near Me](#)

> [CCTV Installation Menston](#)

> [CCTV Installation Ilkley](#)

> [CCTV Installation Burley in Wharfedale](#)

CCTV INSTALLATION ENGINEERS

Why not Book Your Local CCTV Installer today have and beable to view your security system from anywhere in the world anytime. Call Now on 0800 0132341 for a free CCTV Installation quotation.



Copyright 2012 - 2017 CCTV Installers | All Rights Reserved | Powered by | Web Design Services

