

HDCVI CCTV



HDCVI: Full HD CCTV delivered over traditional analogue CCTV cabling, adaptable CCTV technologies allowing low cost upgrades to Full HD and even 4K Ultra High Definition CCTV.

Reports suggest that more than a quarter of traditional CCTV systems are falling short of Data Protection requirements, with full HD CCTV and even 4K plus CCTV images becoming mainstream many older systems are being left behind and are often deemed too expensive to upgrade or even maintain.

Typically your CCTV systems Data Protection registration will require that recorded video data is fit for the purpose of identifying suspects and your images must be of sufficient quality to achieve this goal. Together with these pressing needs is data security, integrity of systems and of availability and safe distribution of this digital video data.

At Videcom we are ever aware of the needs to update aging technology and through these upgrades we aim to deliver savings through lower maintenance costs, reduced energy consumption and improved system performance. We already upgrade and install a wide range of HD IP based CCTV systems, the ideal equipment choice for new builds or where fresh cabling can be installed. But we have many customers new and existing who have invested over the years in fixed CCTV coaxial cabling, these cables and the investment you have made can be re-used when considering a Full HD and even 4K CCTV upgrade for your CCTV system.

How it works: Videcom, using the latest HDCVI (HD CCTV over coaxial cabling) can install full HD & 4K CCTV cameras over your existing camera cabling, these cameras produce the full real time 1080P or greater video images onto a new multi-standard low cost, energy efficient recorder. The recording systems can accept standard analogue which is up-scaled from the traditional D1 or VGA recording, HDCVI as well as ONVIF integration for IP cameras.

Installing HDCVI cameras is not only extremely cost effective but also recycles and re-uses existing copper cabling, reduces installation disruption and time on site.

Remote Viewing: All our recorders have network connectivity supporting both Cat5 ONVIF IP cameras as well as remote secure network connection. Access to your CCTV can be through secure cloud access as well as locally on your internal LAN, comprehensive network security is built into all our HDCVI recorders. Remote viewing is protected by user name, password and site serial numbers.

Why do I need to upgrade: Traditional analogue CCTV is no longer mainstream, at Videcom we are finding manufacturers are starting to phase out these lower specification cameras, by investing in HDCVI you can continue to use your existing analogue cameras on a new HDCVI recorder, often with an immediate benefit in recorded resolution, this allows for a phased more cost effective upgrade and management of your existing CCTV cameras.

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Why HD: HD cameras provide far greater resolutions than traditional analogue CCTV, there is more detail within the image and better opportunity to retrieve usable data, bringing us full circle in your requirements to meet the requirements of identification of suspects from the video data. Full HD 1080P is 1920 by 1080 pixels (2 MPixel) compared to analogue CCTV which typically records at best 720x576 (0.42 MPixel). The other major factor is motion blur, HDCVI cameras are frame capture so they capture the whole image in one grab, PAL analogue CCTV captures 2 fields of video 20mS apart often causing image blur on moving targets.

IS HDCVI suitable for me?: If you're an existing analogue CCTV user, with cabling infrastructure already installed then yes HDCVI technology is certainly a technology that will enhance your system whilst also allowing the continued use of some of your old analogue cameras. With a HDCVI recorder you can mix and match analogue, HDCVI and IP network based ONVIF compliant cameras allowing a wider choice of camera technologies and future proofing your CCTV system.

If you're new to CCTV HDCVI offers some security benefits over IP, the design of HDCVI uses the same traditional **Closed Circuit** point to point cabling

Summary: HDCVI technology offers existing CCTV users a cost effective, low site disturbance upgrade path to full HD and even 4K UHD, allows recycling and re-use of expensive cabling, while additionally allowing adding IP ONVIF cameras and providing a host of secure local and remote viewing and download options. HDCVI is low energy, low maintenance, high performance CCTV with an easy to use adaptable user interface.

Further Reading:

- DPO Web Site: <https://ico.org.uk/for-organisations/guide-to-data-protection/cctv/>
- Videcom Web Site: <http://www.videcom.co.uk/partner/dahua.html>
- Dahua Web Site: <http://www.dahuasecurity.com/>



1 MP 720P
Max 30fps @ 720P
HD & SD switchable
3.6mm fixed lens
20m, Smart IR
IP67, DC12V



1080P Full HD
Max 30fps@1080P
HD & SD dual-output
2.7-12mm motorized
Smart IR
IP67, DC12V



4 MP UHD
Max 4MP real-time
HD and SD dual-output
3.6mm fixed lens
30m Smart IR
IP67, IK10, DC12V

Cameras in all resolution ranges are available in a variety of enclosure options, options displayed above mini-bullet, bullet & dome.