



Migrating from Analogue to IP over Existing Infrastructure

Make the move to IP with minimal cost and disruption

Despite the advantages of IP, the prospect of expensive and disruptive infrastructure upgrades may seem daunting. However we offer a number of transmission solutions that allow you to make the migration to IP over legacy coax, UTP or single pair copper cabling with minimal cost and disruption to the site.

Upgrade over Existing Copper Cabling using Ethernet Extenders

Ethernet extenders allow you to go beyond the Ethernet standard by transmitting over coax, UTP and single pair cabling and over distances that exceed the 100m copper limit. This means that you can migrate from analogue to IP without having to replace legacy cabling, saving you and your customers time, money and disruption.

- ✓ Upgrade to IP over legacy coax, UTP or single pair copper
- ✓ Deliver connections with minimal cost & disruption
- ✓ Cut installation time
- Add IP transmission even where cable ducts have collapsed
- ✓ Install hybrid, IP and analogue camera systems

Ethernet Extenders

We stock Ethernet extenders from ComNet and Nitek. Both manufacturers offer a wide range of products to support 10/100Mbps and PoE (including PoE+) over coax, UTP and single pair cabling.

- Coax, UTP & single pair units
- Single, point-to-point links
- 4:1 units transmits 4 IP devices over a single link
- 8 channel receivers rack-mount units
- 16 channel receivers rack-mount units
- Receivers with integrated switch
- PoE solutions more flexible & lower cost
- Available as kits
- Surge protection
- Outdoor enclosures

Why IP?

- ✓ Remotely accessible video, voice and data
- ✓ Added intelligence video analytics
- ✓ Lower bandwidth & storage requirements
- ✓ Lower cost
- ✓ Higher resolution video
- ✓ Greater scalability & flexibility
- ✓ Greater flexibility & lower costs with PoE
- ✓ Secure access and encryption
- ✓ Simple to install



How We Can Help



We offer a free transmission design service for products that you purchase from us. We can assist with everything from understanding the system specification, producing a system design through to final product selection.

If you need help, just let us know!

Talk to our helpful team today! CALL: +44(0)1580 212999 or EMAIL: sales@cv-tech.co.uk www.cv-tech.co.uk

Typical IP/Ethernet Upgrades Single Camera Upgrade to IP over Legacy Coaxial Cabling



In this example a single unit is used to send the Ethernet signal from the upgraded, IP camera over legacy copper cable. Additional power can be injected if required at the camera site.

- ✓ Supports 100Mbps with PoE+
- ✓ Uses existing cabling

Video, Voice & Data System Upgrade to IP over Legacy Coaxial Cabling



In this, more complex example, the signals from the IP cameras, access control and other IP devices are sent back to the control room over existing coax cabling via a system that includes single channel and 4-channel transmitters. The rack-mount 16-channel receiver includes a built-in power source for all connected devices and provides a Gigabit output.

- ✓ Supports 100Mbps with PoE+
- ✓ Uses existing cabling
- ✓ Self-contained PoE switch in 16 channel receiver unit (8-channel receiver also available)
- ✓ Fully-compliant with IEE802.3 PoE
- \checkmark No configuration plug and play
- ✓ Transmitters and receivers work with all IP devices

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