



Level 3 Practical IP and Networking



Course Aim

This practical training course explores IP and its associated protocols within the context of CCTV and real-world security applications. It also addresses key considerations and challenges when implementing or planning to use IP-based systems.

This hands-on course is ideal for anyone looking to expand their knowledge in this area of technical security.



Who Should Attend?

This practical course is suitable for delegates of all levels, whether you are a complete novice or an experienced professional. It is ideal for:

- Delegates new to IP networking who want to start a career in electronic security or networked technologies
- Technicians and engineers working with CCTV, access control, alarms or other IP-connected systems.
- IT and facilities staff responsible for networked devices within their organisations
- Professionals seeking to enhance their skills and gain confidence in applying practical IP networking knowledge



Agenda

The course content covers the following:

- Basic theory of TCP/IP and UDP
- Subnet masking – a practical view
- Firewalls
- Protocols and their operational status
- Compression techniques explained
- TCP, header, ports and windows
- RIP and OSPF technology explained
- Network management
- Migration from analogue to digital
- Internet Security
- Wireless technologies
- Physical connections – coax UTP, cable and fibre
- Quality of service
- Setting up IP cameras, domes and codecs
- Using VBR and CBR
- Calculating bandwidth



Certification

BTEC Level 3 Advanced Award with no expiry



Course Duration

This is a 5-day course

Safety / Value / Availability / Support



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