



PRACTICAL IP AND NETWORKING

Learn how to install and configure devices to create an IP network systems.

This practical workshop based course will prepare you for the new challenges faced in the modern Security Systems industry.

WHAT YOU WILL LEARN

- ▶ How to build and configure an IP network
- ▶ How to secure your IP network
- ▶ How to install and configure cameras and other devices on an IP network
- ▶ How to use tools and utilities to troubleshoot IP networks
- ▶ How to interpret network ports and port forwarding
- ▶ How to configure video streams for live viewing and recording
- ▶ How to integrate an IP networked security solution
- ▶ How to configure VLANS
- ▶ How to convert Analogue Systems to Digital



COURSE CONTENT

- ▶ Ethernet and MAC addressing
- ▶ Migration from analogue to digital
- ▶ OSI Model and how to use it for fault-finding
- ▶ Internet Security
- ▶ Firewalls
- ▶ Wireless technologies
- ▶ Protocols and their operational status
- ▶ Physical connections – coax UTP, cable and fibre
- ▶ Compression techniques explained
- ▶ Quality of service
- ▶ Virtual Local Area Networks (VLANs)
- ▶ Setting up IP cameras, domes and codecs
- ▶ Routing with RIP and OSPF technology explained
- ▶ Using VBR and CBR
- ▶ Network management - communication (ICMP) and statistics
- ▶ Calculating bandwidth
- ▶ IPv4 classfull basic theory - variable length subnetting
- ▶ IPv6 basic theory
- ▶ Ports - TCP and UDP

“*Learnt something new on every section covered, which I found all to be useful to me.*”

ABCA SYSTEMS LTD DELEGATE

COURSE COST, DURATION AND AWARD



BTEC Level 3 (optional)
Principles and Practices of CCTV
Over Internet Protocol



5 Days



£1295 + VAT includes
Tavcom Certification. **BTEC
Certification is optional at an additional
cost of £295 + VAT**