

PRACTICAL IP



26

IP AND NETWORKING COURSES

Traditionally, IP has been used extensively to transmit data. Now, due to a host of driving forces, IP is seen as the answer to the transmission of not only of data but also voice and video - in today's world and for the foreseeable future.

This practical IP Installation Training Course looks at IP and its associated protocols in the world of CCTV, as well as how it is utilised in 'real life' applications in the security arena. In addition, we discuss many of the issues that need to be addressed when using, or considering the use of IP.

WHAT YOU WILL LEARN

- ▶ Configuring an IP network
- ▶ Using subnets effectively
- ▶ TCP and UDP in the transportation of CCTV images
- ▶ Understanding the key differences between IPv4 and IPv6
- ▶ Troubleshooting IP Networks
- ▶ Using tools and utilities successfully
- ▶ Understanding bandwidth limitations
- ▶ Quality of service - can it be implemented
- ▶ Routers - how they make routing decisions



COURSE CONTENT

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



Very good course, tutor very knowledgeable and presented information well.

VYSIONICS ITS LTD DELEGATE



BTEC
ADVANCED AWARD

COURSE DATES

2015

JANUARY	26 - 30
FEBRUARY	16 - 20
MARCH	16 - 20
APRIL	20 - 24
JUNE	8 - 12
JULY	20 - 24
AUGUST	17 - 21
SEPTEMBER	21 - 25
OCTOBER	19 - 23
NOVEMBER	16 - 20

2016

JANUARY	25 - 29
FEBRUARY	22 - 26

COURSE COST, DURATION AND AWARD

£1150.00 + VAT

Duration: **5 days**

BTEC Diploma Points: **5**

Course fee includes
BTEC level 3 certificate

This excellent blend of workshop and classroom training will prepare you for challenging 'real world' situations in the modern security systems industry.