

PRACTICAL CCTV INSTALLATION



14

CCTV/TECHNICAL COURSES

The complete CCTV installation course, offering a superb blend of 'need to know' classroom theory and 'hands on' practical experience. Over 5 days we will provide you with the necessary knowledge and skills to work effectively in the electronic security and video surveillance sector.

From cabling to the latest IP integration techniques, this 5 day course is the perfect choice if you are looking to enter the exciting world of CCTV installation. There are no prerequisites. All are welcome.

The course carries a BTEC Advanced Award - a respected qualification for anyone seeking career opportunities in the electronic security sector.

WHAT YOU WILL LEARN

- ▶ Install and maintain video over UTP
- ▶ Configure and programme digital recording devices
- ▶ Set up a range of colour, day/night and dome cameras
- ▶ Run cable properly and terminate cable with connectors RG59, URM70, RG11, CT125, twisted pair and fibre
- ▶ Configure motorised zoom, varifocal, aspherical and fixed lenses
- ▶ Wire and connect video distribution amplifiers
- ▶ Connect and set up amplifiers using coaxial cable
- ▶ Configure an IP/Network CCTV solution
- ▶ Use test equipment effectively
- ▶ Save hours in the field by hands-on training in the Tavcom workshop
- ▶ AHD, HDTV and HDSI explained





COURSE CONTENT

By the end of the week you will have built a complete CCTV system including a combination of static and manoeuvrable cameras and test signal generators over a range of video transmission media.

- ▶ The basic theory of television and CCTV
- ▶ The foundations of digital CCTV and IP
- ▶ Setting up, back focusing and zoom tracking cameras
- ▶ Selecting and applying appropriate lenses and filters
- ▶ Understanding different lighting parameters for CCTV cameras
- ▶ Practical lens calculations and the Operational Requirement
- ▶ Handling video and data storage media
- ▶ Setting up digital video recorders
- ▶ Selecting, connecting and installing cables
- ▶ Use of oscilloscopes, bar generators and other test equipment
- ▶ Commissioning, fault finding and routine maintenance
- ▶ Selecting and applying function switches on cameras
- ▶ Setting up and programming domes
- ▶ Installing cameras over twisted pair
- ▶ Using launch and equalising amplifiers
- ▶ Fibre optic transmitters and receivers
- ▶ Setting up and terminating display screens
- ▶ British and European standards
- ▶ Health and Safety
- ▶ Group workshops and short evening projects

Very good delivery with a superb blend of practical and theory.

QINETIQ DELEGATE

BTEC
ADVANCED AWARD

COURSE DATES

2018

APRIL	16 - 20
MAY	14 - 18
JUNE	4 - 8
JULY	9 - 13
AUGUST	13 - 17
SEPTEMBER	10 - 14
OCTOBER	1 - 5
NOVEMBER	5 - 9
DECEMBER	3 - 7

2019

JANUARY	14 - 18
FEBRUARY	4 - 8
MARCH	4 - 8

COURSE COST, DURATION AND AWARD

£1195.00 + VAT

Duration: **5 days**

BTEC Notional Learning hours: **50**

Course fee includes:
BTEC level 3 certificate Principles and Practices of CCTV Systems

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