

# PRACTICAL CCTV



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

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





## 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 fed 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 use of practical workshops, backing up the theory.

MOD DELEGATE



**BTEC**  
ADVANCED AWARD

## COURSE DATES

### 2015

JANUARY	12 - 16
FEBRUARY	2 - 6
MARCH	2 - 6
APRIL	13 - 17
MAY	11 - 15
JUNE	1 - 5
JULY	6 - 10
AUGUST	3 - 7
SEPTEMBER	7 - 11
OCTOBER	5 - 9
NOVEMBER	2 - 6
DECEMBER	7 - 11

### 2016

JANUARY	11 - 15
FEBRUARY	8 - 12
MARCH	14 - 18

## COURSE COST, DURATION AND AWARD

**£1150.00 + VAT**

Duration: **5 days**

BTEC Diploma Points: **5**

Course fee includes  
**BTEC level 3 certificate**

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