



*Training Course:
CCTV Systems*

*28 April - 2 May 2025
Manchester (UK)*

Training Course: CCTV Systems

Training Course code: MI234693 From: 28 April - 2 May 2025 Venue: Manchester (UK) - Training Course Fees: 5775 € Euro

Introduction

With recent technological advances ensuring that CCTV continues to play a major role worldwide in helping to combat criminal and terrorist activity, it is not surprising that our CCTV training courses continue to be extremely popular. Our combination of classroom theory and "hands-on" practical training courses will provide you with a comprehensive understanding of the very latest advancements in CCTV technology. Our training courses cover the entire CCTV system planning and design process as well as the specification, installation, set up and maintenance of key system components such as cameras, lenses, DVR, NVRs and cabling etc.

Course Objectives

Please note that for most CCTV Operator jobs, you will be required to have a Door Supervisor/Manned Guarding license as well, as the role often includes security officer duties. The course covers:

- Working the Private Security Industry
- Working as a CCTV Operator
- Practical Operation of CCTV Equipment
- ICT in the Working Environment
- Community and Culture Awareness

Course Outlines

Introduction to CCTV

- Introduction to CCTV installation
- CCTV Video signals H 264, Mpeg 2
- Cabling and connectors CAT5, CAT6 & Coax
- Crimping BNC, CAT5 & keystone connectors
- Video transmission analogue to digital, megapixel cameras
- Assembling a CCTV system Troubleshooting using CCTV tester

Electrical and CCTV Installation

- How to design a cable run?
- Introduction to Ohm's law
- How to choose the right type of cable?
- Installing CCTV cameras with RG59 & CAT5
- Installing CCTV power supplies
- Using electrical tools

CCTV System Design

- Introduction to recording resolution, frames per second & lens sizes
- How to calculate field of view Selecting the correct types of lens size, recording resolution and configuring frames per second
- Digital CCTV storage and lighting DVR storage calculator, Illumination and camera sensitivity in CCTV
- PTZ camera installation Protocols, baud rate in PTZ
- Installing camera housing for bigger projects with power

Practical Wiring

- Running cables for a CCTV system CAT5 & coaxial
- Installing passive and active balun for long CCTV cable run
- Running shotgun cable and use of cable pulling tips and techniques
- Installing junction boxes

Networking in CCTV

- Remote access and mobile app viewing
- Local area networking and wider are networks
- Assigning a local area IP address to a DVR via DHCP
- Techniques used in assigning a unique and static local IP address to a DVR
- Private and public IP address
- TCP and IP setting



- Mobile phone view through P2P

Registration form on the Training Course: CCTV Systems

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Company Information

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Full Name (Mr / Ms / Dr / Eng):
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Payment Method

- Please find enclosed a cheque made payable to Global Horizon
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