



# CCTV INSTALLATION AND CONFIGURATION HANDS-ON TRAINING

## Course Description

This comprehensive training program is designed to equip participants with the knowledge and skills required to install, configure, and maintain both Analog and IP-Based Closed-Circuit Television (CCTV) systems effectively. Participants will learn about the basic components of analog and IP-based CCTV systems, various types of CCTV cameras, equipment, and tools used by CCTV installers, cable types and connectors, storage capacity computation, camera and recorder specifications, troubleshooting techniques, and standard procedures for setting up different brands of CCTV recorders. Additionally, participants will gain hands-on experience in terminating cables, setting up centralized power supplies, configuring CCTV recorders and cameras, addressing IP cameras, accessing cameras and network video recorders (NVRs) via web browsers, and learning trade secrets and professional advice from experienced instructors.

A Comprehensive two  
(2) day hands-on  
training for CCTV  
Installers/Contractors!

Conducted by a  
certified CCTV  
Installer and  
Instructor!

Full packed with  
essential topics in  
both analog and IP  
CCTV cameras,  
including best  
practices & standards!

Get after training  
professional support!

## ITLLECTUAL MANILA

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Philippines 1111

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0915-4885708 | 0919-5618888



# Course Objectives:

Upon completion of this training, participants will be able to:

- ✓ Identify and describe the basic components of Analog and IP-Based CCTV systems.
- ✓ Differentiate between Analog and IP-Based CCTV systems in terms of components, functionalities, and applications.
- ✓ Describe various types of CCTV cameras, including dome cameras, bullet cameras, PTZ cameras, and specialized cameras.
- ✓ List and explain the equipment and tools used by CCTV installers for installation and maintenance tasks.
- ✓ Identify types of cables and connectors used in CCTV installations and understand their respective limitations.
- ✓ Compute the storage capacity required for CCTV systems based on factors such as camera resolution, frame rate, and retention period.
- ✓ Interpret camera and recorder specifications including resolution, focal length, field of view, and storage requirements.
- ✓ Demonstrate proficiency in terminating different types of cables used in CCTV installations.
- ✓ Set up centralized power supplies for CCTV systems to ensure reliable power distribution.
- ✓ Troubleshoot common problems encountered in CCTV systems, including camera malfunctions, recording issues, and connectivity problems.
- ✓ Configure and set up different brands of CCTV recorders according to standard procedures.
- ✓ Add analog cameras to Digital Video Recorders (DVRs) or Hybrid Video Recorders (XVRs) using appropriate settings and connections.
- ✓ Understand IP addressing and configure IP cameras and NVRs for network connectivity.
- ✓ Access IP cameras and NVRs using web browsers and configure settings as needed.

## Course Outline:

Upon completion of this training, participants will be able to:

- ✓ Basic components of Analog and IP-Based CCTV systems.
- ✓ Analog and IP-Based CCTV systems in terms of components, functionalities, and applications.
- ✓ Various types of CCTV cameras.
- ✓ Equipment and tools used by CCTV installers for installation and maintenance tasks.
- ✓ Types of cables and connectors used in CCTV installations.
- ✓ Storage capacity required for CCTV systems based on retention period.
- ✓ Camera and recorder specifications including resolution, focal length, field of view, and storage requirements.
- ✓ Terminating different types of cables used in CCTV installations.
- ✓ Centralized power supplies for CCTV systems.
- ✓ Common problems encountered in CCTV systems.
- ✓ Set up different brands of CCTV recorders according to standard procedures.
- ✓ Setup Digital Video Recorders (DVRs) and Hybrid Video Recorders (XVRs).
- ✓ IP addressing and configuring IP cameras and NVRs.
- ✓ Mobile setup and viewing
- ✓ Accessing IP cameras and NVRs using web browsers and configure settings as needed.

## Target Audience:

This training is suitable for CCTV technicians, security system installers, IT professionals, facility managers, and individuals interested in pursuing a career in CCTV installation and maintenance.

## Prerequisites:

Basic knowledge of networking concepts and familiarity with cabling tools and equipment **is recommended but not required**.

## Duration:

2-Days | 14-hours (Customizable based on specific training needs)

## Delivery Method:

Instructor-led training with a combination of lectures, case studies, group discussions, actual demonstration, and hands-on exercises.

## Certification:

Upon successful completion of the training program and assessment, participants will receive a Certificate of Completion in CCTV Installation and Configuration Training.

## Training Investment:

Per head Investment – **Php10,080.00 (VAT-Inc)**

Exclusive/Group Training – **Php 100,800.00 (VAT-Inc)**, maximum of 10 participants

Outside Manila or Provincial Training – Subject to verification and customized costing.

## Securing the training slot:

Upon settling the training investment, send the proof of payment, full name, mobile number, and email address to [itllectualmanila@gmail.com](mailto:itllectualmanila@gmail.com).

## Where to pay:

Bank Name: LANDBANK OF THE PHILIPPINES

Account Name: ITELLEQQ TRAINING AND CONSULTANCY

Account Number: 5462-0024-42

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Bank Name: BANCO DE ORO

Account Name: VANESA CEZAR

Account Number: 001100-205134

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GCASH

Account Name: VANESA CEZAR

Gcash Number: 09154655700

## Other concerns? Contact our Hotline:

0915-4885708 | 0919-5168888 | [itllectualmanila@gmail.com](mailto:itllectualmanila@gmail.com)

*"Anyone who stops learning is old, whether 20 or 80, anyone who keeps learning stays young.  
The greatest thing in life is to keep your mind young."*

– Henry Ford

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