

DIPLOMA IN CCTV

TM



LAMBDA Consulting
Group

LAMBDA Consulting Group

training partner institute of

SKILL DEVELOPMENT COUNCIL

DIPLOMA IN CCTV

Theory

Introduction to CCTV

History of CCTV Surveillance
Basic Knowledge about CCTV Surveillance
A CCTV Camera Working Structure and Diagram

Introduction to CCTV Lenses

Types of CCTV Lenses
Understanding Lenses Focal length
Difference between Fix lenses and Auto Iris Lenses

About the Tools for CCTV Equipment's.

Basic Tools List
Advanced Tools List

About the Wiring of CCTV Equipment's.

Types of Video Transferring Cables
Types of Electric Power Cables & Power Supplies
Types of Audio Transferring Cable
Types of Communication Cables
Types of Connectors e.g. BNC's, Power

About the CCTV Camera Housings

Types of CCTV Housings
Advantages of CCTV Housings
About the Heat and Cold Prevention

About the CCTV Camera Rotations

About the Rotation Motors Purpose
About the (PT Unit) Pan, Tilt Unit

About the Other Accessories

Quad Processors
Video Amplifier
Wireless Signal Sender & Receivers



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Types of CCTV Surveillance Camera's

Analogue CCTV Camera
Digital CCTV Camera
UVSS Systems
Spy Camera's
Network or IP CCTV Camera
PTZ or High Speed Dome Camera
Panoramic CCTV Camera
Thermal Imaging Camera
ANPR Camera

Types of Network or IP CCTV Camera's

Simple IP Camera
Wireless IP Camera
About PoE Compliant IP Camera

Types of PTZ or High Speed Dome Camera

Speed Dome or PTZ Camera
IP Speed Dome Camera
Wireless IP Speed Dome Camera

Introduction to PC-Based & Standalone DVR

Understand what a DVR is. (Digital Video Recorder)
Understand the types of a DVR.

Introduction to PC-Based & Standalone NVR

Understand what a NVR is. (Network Video Recorder)
About the PC-Based NVR Software
About the Standalone NVR

Introduction to Hybrid Video Recorder (HVR)

Understand what a HVR is. (Hybrid Video Recorder)
Understand the types of a HVR.



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Introduction to Keyboard Controllers

About the Keyboard Controller Interfaces
Master Controller
Slave Controller
Multiple Connectivity

CCTV Camera Body Ratings

About Ingress Protection (IP)
About RoHS Compliant
About Vandal Proof
About R.E.A.C.H Compliant

Introduction to Central Monitoring System (CMS)

Understanding CMS Software
Installations Guideline
Connectivity Guideline
Troubleshooting

PRACTICAL'S

Hardware Practical's

Deploy Wiring of Camera's
Mounting Camera's
Making Connectors
Connecting Camera's to a DVR
Making Network Connectivity
Assembling of CCTV Surveillance System

Software Practical's

Networking Practical
IP setting and IP Configuration
Port Forwarding, Getting PING,
Connection over Local Area Network (LAN)
Connection over Wi-Fi
Connection over Internet
Practical of Setting a PTZ Presets via Keyboard



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Practical of Setting a PTZ Presets via DVR RS-485

Configuring IP Speed Dome

Differentiate the Dynamic or Static IP Address

Introduction to CMS or Central Monitoring System

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