



Access Control Specialist Level One: Course Six – IP Convergence and CCTV Integration
Course Time: 1 hour

Course Description

How do you install an access control system? In fact, what is a “system”? Our final module starts with a short review of the components that make up an access control system. We then will look at many options from single door stand-alone devices to widely distributed systems using IP connections over LAN/WAN networks. Wiring standards are explained as is the idea of POE (Power Over Ethernet).

Integration of CCTV with access control is an obvious part of larger access systems. The compelling rationale for doing it is thoroughly explained and the methods for accomplishing it are discussed. Advanced students will be pleased with coverage of APIs (Application Programming Interface) and SDKs (Software Development Kit) and their place in the growing system integration market.

Course Outline

- Introduction
- IP Convergence and CCTV Integration
 - Objectives
 - Basics of Access Control
 - Components of Physical Access Control
 - Computer
 - Inputs & Relays
 - Controller
 - Credential
 - REX
 - Reader
 - Stand-alone Access Control
 - IP Access Control
 - Intelligence at the Door
 - Integration Possibilities
 - CCTV
 - Biometrics
 - Peripheral Systems: Lights
 - Peripheral Systems: HVAC
 - Impact on Logical Access Control
 - CAT 5 Wiring
 - Power Over Ethernet
 - Software Systems
 - Software Development Kits (SDK)
 - Language-dependent APIs
 - Language-independent APIs
 - Drawbacks
 - Security Application
 - Today
 - The Future
- Conclusion