

Course Outline

Security Center – AutoVu Fixed 5.4 Technical Certification	
Code	SC-AFC-001 (5.4)
Duration	2 days
Target audience	Technicians, Administrators, and IT Professionals
Prerequisites	CompTIA's Network+ training (or equivalent) is recommended. An online IT skills quiz is available to ensure baseline IT skills are met
Objectives	<p>Upon successful completion of this course the participant will be able to:</p> <ul style="list-style-type: none"> • Understand License Plate Recognition (LPR) technology fundamentals and mechanics • Understand basic of License Plate Matching and current Optical Character Recognition (OCR) challenges • Install and configure a basic Security Center system with Video and LPR capabilities • Configure Genetec LPR cameras and use embedded advanced features (Region of Interest) • Create and configure lists of vehicles to match License Plate Reads against • Create interoperability with third party applications using Macros, SDK or XML tools • Understand redundancy and failover options within Security Center • Design a reliable and scalable Security center LPR system. • Perform system maintenance and troubleshooting. • Perform site survey and camera positioning for optimal reading accuracy
Certification	An open-book, multiple choice exam will be given at the end of this course

Topic	Description
Module 1: Introduction	<ul style="list-style-type: none"> • Intro to Genetec & Security Center • History of the LPR technology and current challenges • Fundamentals of LPR technology • Current Applications of the technology • Case studies • Client Installation
Module 2: LPR Hardware	<ul style="list-style-type: none"> • Presentation of the Genetec LPR Hardware • Fixed Sharp Cameras • Mobile Cameras • Illuminations, lenses • Navigation hardware, MDT • Other LPR related components
Module 3: Installation	<ul style="list-style-type: none"> • Intro to Security Center Role Architecture • Server Admin & License Activation • Expansion Servers • Connection client/server
Module 4: LPR Manager Configuration	<ul style="list-style-type: none"> • Installation of the LPM Role • Comprehensive configuration of the Role • Root folder / Database management
Module 5: LPR in the Cloud	<ul style="list-style-type: none"> • Definition and presentation • Hardware and infrastructure • Design • Configuration
Module 6: User Management for LPR	<ul style="list-style-type: none"> • Users, User groups & Partitions • Privileges for the LPM / Patrollers • Best practice
Module 7: LPR Camera Software Configuration	<ul style="list-style-type: none"> • New Sharp Portal User Interface • Configuration of Regions of Interest • Read Strategy Discussion • Firmware Updates and Plugins • Connectivity Options • Adding LPR cameras
Module 8: License Plate Matching	<ul style="list-style-type: none"> • License plate matching discussion • Implementation of a hotlist • Matching process and OCR equivalences • Event-to-action Handler

Topic	Description
Module 9: Security Center Interoperability	<ul style="list-style-type: none"> • Data export to third party system using XML • Data import from a third party system using XML • LPR device FTP mode • Macros & SDK for custom integration
Module 10: Free-Flow	<ul style="list-style-type: none"> • Fundamentals of parking enforcement with a set of fixed LPR device • Install, configuration of Free-Flow with common cases discussions • Operational aspects of the Free-Flow integration
Module 11: System Design (Fixed)	<ul style="list-style-type: none"> • Understanding the requirements of an LPR system • Selecting the appropriate hardware • Physical Install consideration • Camera positioning • Network and database requirements discussion • Scenario and available integration tools
Module 12: Maintenance and Troubleshooting	<ul style="list-style-type: none"> • Security Center General Troubleshooting • Access the Security Center Console • Sharp Diagnostics page • GTAP
SC-AFC-001 Exam	<ul style="list-style-type: none"> • Open Book / multiple Choice • 80% to pass • 1 hour