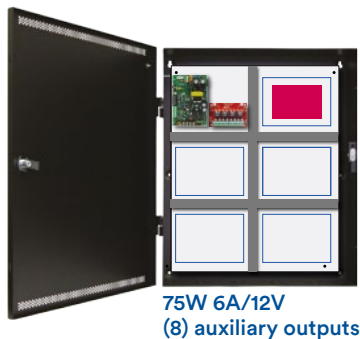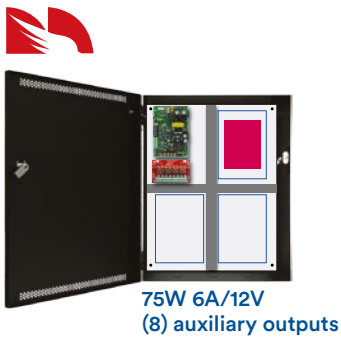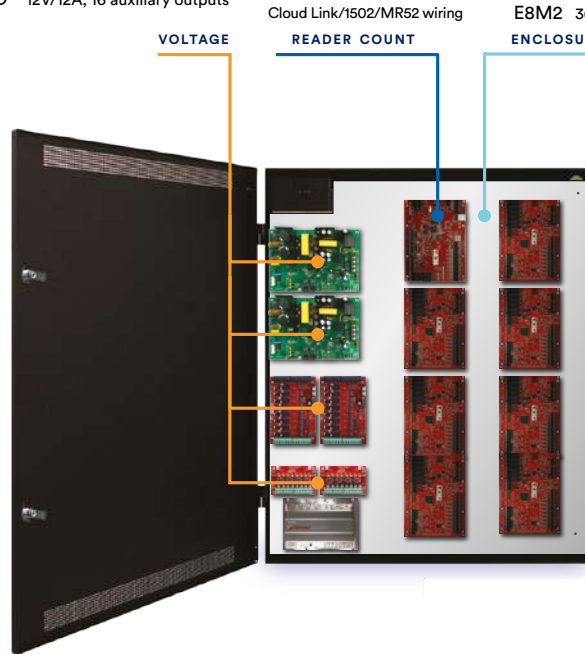## SINGLE VOLTAGE (SV)

4RD   12V/6A, 8 auxiliary outputs
8RD   12V/6A, 8 auxiliary outputs
16RD   12V/12A, 16 auxiliary outputs

MERCURY ENCLOSURES

E2VM   20 X 16 X 4.5 (4 reader/SV)
E4VM   24 X 20 X 6.5 (8 reader/SV)
E2M   20 X 16 X 4.5 (4 reader/DV)
E4M   24 X 20 X 6.5 (8 reader/DV)
E4M1   24 X 20 X 6.5 (8 reader/DV door mount)
E8M2   36 X 30 X 6.5 (16 reader)

Cloud Link/1502/MR52 wiring

VOLTAGE   READER COUNT   ENCLOSURE

75W 6A/12V
(8) auxiliary outputs

75W 6A/12V
(8) auxiliary outputs

150W 12A/12V
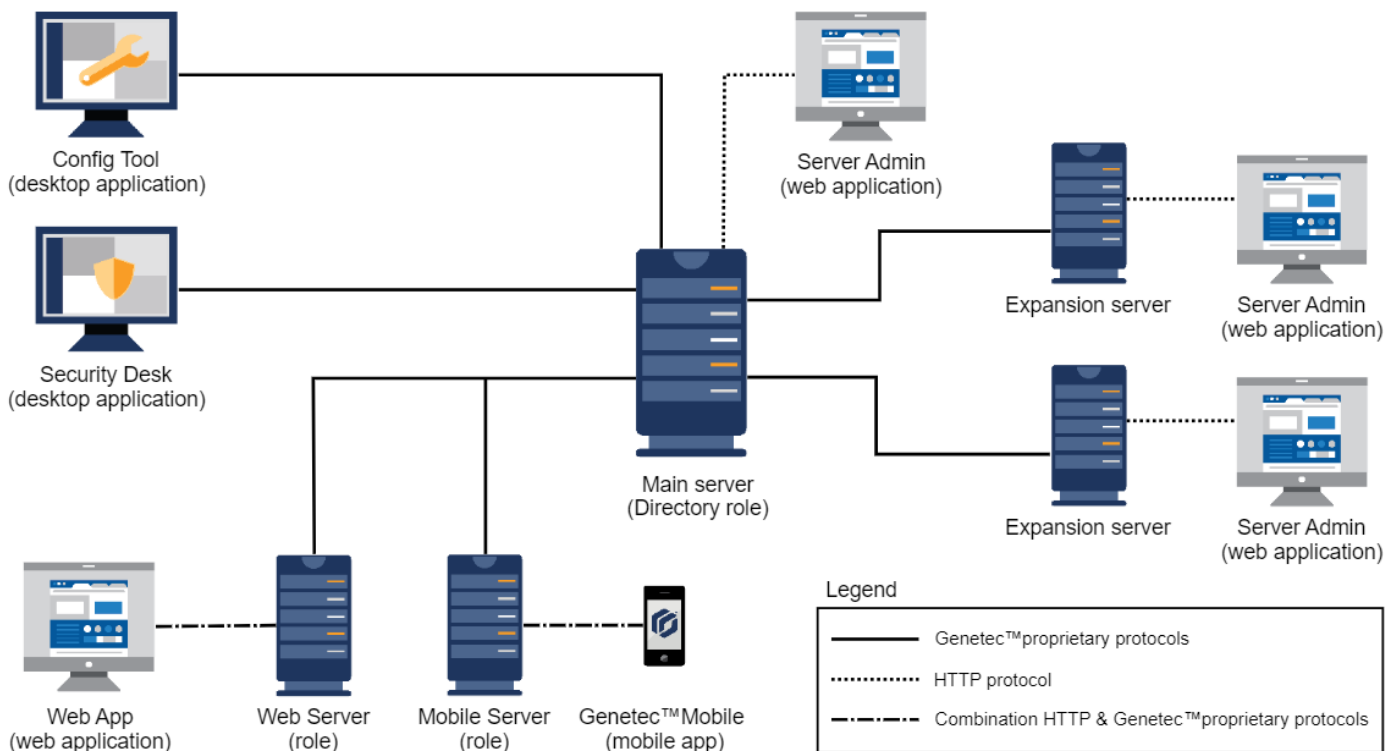(16) auxiliary outputs
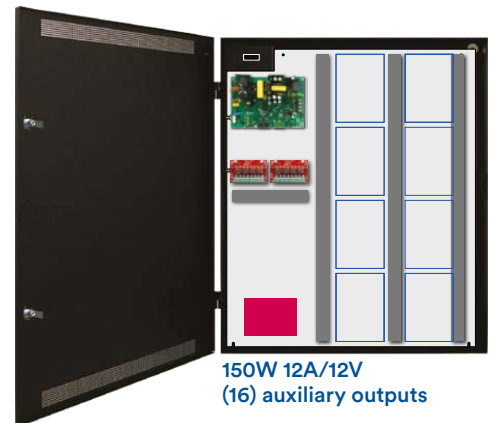
*Synergis™ Cloud Link location

Genetec™

Security Center 5.12 Ordering Guide

JANUARY 22, 2024

Overview

The following ordering guide contains information about Security Center version 5.x; please refer to the cover page to ensure you have the latest ordering guide at hand.

The Security Center ordering guide explains the different part numbers of the price list and the interdependence between the part numbers. It also includes basic design guidelines and scalability figures.

For AutoVu™ ordering information, please refer to the AutoVu™ ordering guide.

For Security Center SaaS including Cloud storage, Federation as a Service and other cloud services, please refer to the Security Center SaaS Ordering Guide.

This ordering guide explains the different packages together with the different features (basic and optional) of each package.

Security Center – 5.12 will be available under three different Packages:

- Security Center™ Standard
- Security Center™ Professional
- Security Center™ Enterprise

Package selection

Security Center Base Package

The Security Center Base Package must be ordered every time a system is ordered, whether it is Omnicast™ video surveillance, Synergis™ access control or AutoVu™ license plate recognition. The Security Center Base Package is used to specify the product version being purchased.
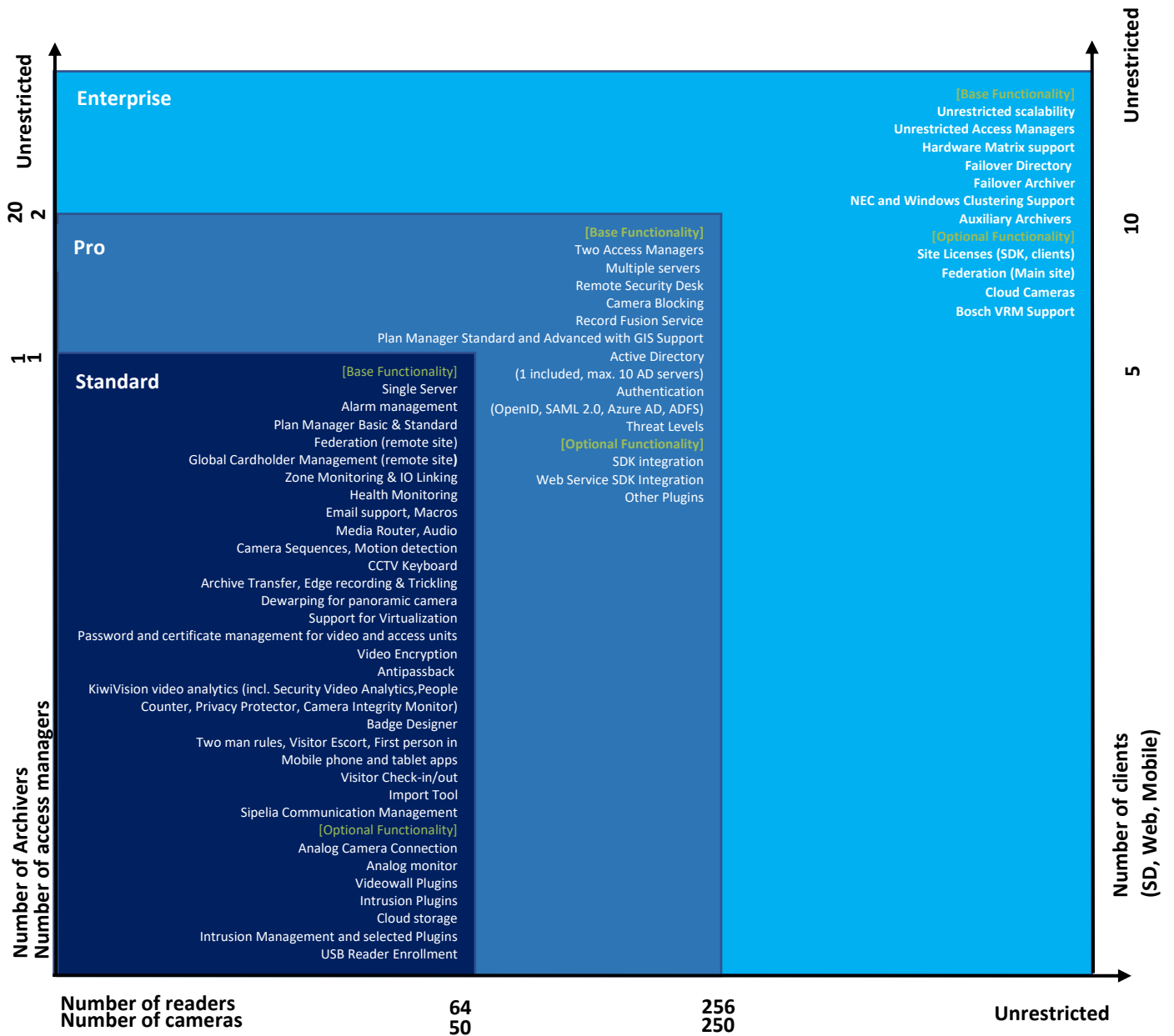
Package selection

The base package must be selected based on the:

- Overall camera/analog monitor count

- Number of Archivers

- Number of client connections

- Failover

- Federation™

- Third-party integration (SDK)

- Overall reader count

- Number of Access Managers

Package and Feature Breakdown

Security Center (Unified Package)

Genetec™

Enterprise

[Base Functionality]
Unrestricted scalability
Unrestricted Access Managers
Hardware Matrix support
Failover Directory
Failover Archiver
NEC and Windows Clustering Support
Auxiliary Archivers
[Optional Functionality]
Site Licenses (SDK, clients)
Federation (Main site)
Cloud Cameras
Bosch VRM Support

Pro

[Base Functionality]
Two Access Managers
Multiple servers
Remote Security Desk
Camera Blocking
Record Fusion Service
Plan Manager Standard and Advanced with GIS Support
Active Directory
(1 included, max. 10 AD servers)
Authentication
(OpenID, SAML 2.0, Azure AD, ADFS)
Threat Levels
[Optional Functionality]
SDK integration
Web Service SDK Integration
Other Plugins

Standard

[Base Functionality]
Single Server
Alarm management
Plan Manager Basic & Standard
Federation (remote site)
Global Cardholder Management (remote site**)**
Zone Monitoring & IO Linking
Health Monitoring
Email support, Macros
Media Router, Audio
Camera Sequences, Motion detection
CCTV Keyboard
Archive Transfer, Edge recording & Trickling
Dewarping for panoramic camera
Support for Virtualization
Password and certificate management for video and access units
Video Encryption
Antipassback
KiwiVision video analytics (incl. Security Video Analytics,People
Counter, Privacy Protector, Camera Integrity Monitor)
Badge Designer
Two man rules, Visitor Escort, First person in
Mobile phone and tablet apps
Visitor Check-in/out
Import Tool
Sipelia Communication Management
[Optional Functionality]
Analog Camera Connection
Analog monitor
Videowall Plugins
Intrusion Plugins
Cloud storage
Intrusion Management and selected Plugins
USB Reader Enrollment

Number of Archivers
Number of access managers

Unrestricted
20
2

1
1

Unrestricted
10
5

Number of clients
(SD, Web, Mobile)

Number of readers   64   256   Unrestricted
Number of cameras   50   250

Security Center

Base Package

The Security Center Base package must be ordered every time a system is ordered whether it is an Omnicast™, Synergis™ or AutoVu™ system that is being installed. The Security Center Base package is used to specify the product version being purchased.

The Security Center Base package, which includes functionality common to all systems, is defined as follows:

One Genetec Security Center (GSC) Base Package includes:

- One (1) GSC Directory
- Five (5) Security Desk client connections and five (5) Web client and (5) Mobile App connections
- Plan Manager Basic (Standard Package)
- Plan Manager Advanced (Pro and Enterprise Package)
- Alarm Management
- Advanced Reporting
- System Partitioning
- Zone Monitoring
- IO Modules Support
- Import Tool
- Intrusion Management Module
- Sipelia base package, Sipelia Public Announcement, & Sipelia Trunking
- Synergis Import Tool, Synergis Max Occupancy, Synergis Mustering, Synergis Visitor Management Module
- KiwiVision Video Analytics: Camera Integrity Monitor, People Counter, Privacy Protector, Security Video Analytics
- Custom Fields
- Email Support
- Incident Reports
- Macros Support (actual macros sold separately)
- Support for server virtualization
- Password and certificate management (for video and Synergis™ units)
- All supported languages

A Security Center Standard, Professional, or Enterprise base package is required in addition to the Security Center Base package to enable access control, video surveillance, or license plate recognition.

Base Package Features

Below is the description of the Security Center Base Package.

Plan Manager

Plan Manager adds image-based mapping capabilities to the Security Center system. We support JPG, PNG and BMP image formats as map backgrounds and the display of cameras, doors, LPR units, intrusion areas, industrial IoT devices and custom entities.

Plan Manager Standard

Plan Manager Standard allows map design with dynamic content, multi-level map support, zooming capabilities for cameras.

Plan Manager Standard supports the following functionality:

- PDF based vector image maps

- AutoCAD image maps (and object positioning)

- Map configuration import (from CSV, XLSX, JSON, KML/KMZ)

- PTZ control and orientation feedback

- Additional contextual actions when right-clicking on entities

- Alarm management

Plan Manager Advanced (Professional and Enterprise packages only)

Plan Manager Advanced provides advanced mapping capabilities to the Security Center system through the integration of external geographical information systems (GIS) and overlaid data layers (KML layers).

Plan Manager Advanced supports the following functionality:

- GIS maps
    - ESRI ArcGIS as map backgrounds & data layers
    - Google Maps as map backgrounds
    - Bing Maps for map background
    - WMS / WMTS Maps for map background
- Geocoded searches (ESRI, Google, Bing)
- KML objects data layer

GIS support for Plan Manager is available in the Pro and Enterprise packages.

Sipelia™

Sipelia™ delivers Communication Management features into Security Center for voice and video communications with and between SIP devices. It enables voice and video communication between Security Desk users.

The Security Center base package provides the ability to set voice and video communication between Security Desk users. To communicate with other SIP devices it is required to add connection Licenses [GSC-Sipelia-1SIP].

Trunk functionality

Trunk is a technology part of SIP standard that allows to interconnect 2 SIP servers (IPBX). It is most often required to connect Sipelia™ to an Intercom Exchange Server. Intercom Exchange Servers are used to connect analog and non-SIP Intercoms.

Intercoms behind a trunk configured in Sipelia™ requires a connection license [GSC-Sipelia-1SIP]

__Important:__ This item requires ordering a minimum one year of Genetec Advantage.

Public address

The public address fonctionality allows to broadcast a live or a pre-recorded message to any SIP entity managed by Sipelia.

Alarm management

This feature enables the usage of the alarm management functionality which includes the ability to trigger alarms manually or automatically based on system events, to send alarms to specific recipients, to acknowledge alarms, to forward alarms, to snooze alarms and to assign a procedure to an alarm.

The alarm management runs on the Directory Role.

Advanced Reporting

Allows users to create reports and report templates.

Automatically sending a report by email required the Report Manager Role *(installed by default)*.

System Partitioning

Allows administrators to segment the Security Center solution into logical partitions and control user access to specific entities. User access to a partition includes operation and administration access rights.

Zone Monitoring

Allows administrators to create zones and associate inputs from access control devices and/or video cameras or encoders for monitoring. IO linking is also possible through the use of zones.

Zone Monitoring runs on the Zone Manager Role *(installed by default)*.

Inputs and Outputs

This feature enables the use of I/O modules such as HID VertX V200, VertX V300, Axis P8221 and HWg-Juno 101/404.

Custom Fields

Supports the ability to assign custom fields to various entities in the Security Center, including cardholders, credentials, zones, and more.

Email support

Supports the ability to send an email to a user or user group or cardholder. An email can contain a report (PDF or Excel format) or can be triggered following any event in the system.

Incident Reports

Supports the ability to create an incident in the Security Desk. Administrators can also make it mandatory that an operator enter an incident upon acknowledgement of an alarm.

Incident Reports runs on the Directory Role.

Visitor Management Module

The Visitor Management Module is a specific task of the Security Desk task allows you to check in, check out, and modify visitors, as well as manage their credentials, including temporary replacement cards.

Import Tool

The import tool allows to import cardholders, cardholder groups, and credentials from a CSV file.

Max Occupancy

This feature set a limit of cardholders that can be in an area simultaneously. There are two modes of operation, one will only raise an event when the maximum is reached while the second will raise the event and deny the access.

Mustering task

This feature allows the use of Security Desk instance to be used as mustering station using a USB reader. This can't be used with the Evacuation Assistant. One license is required per workstation.

Archiving support

Archiver support is the capacity for the system to record cameras and index video files in a database. Additional Archivers can be added to a system as the number of cameras increases and also for distributed systems. The number of Archivers in the system is not licensed.

Security Center Standard

The Security Center Standard base package includes the licenses to :

- Omnicast™ Standard

- Synergis™ Standard

- AutoVu™ Standard

The Security Center Standard Base package is limited to a maximum of 50 cameras, 1 archiver, 64 readers, 1 access manager and 5 clients. The maximum of five (5) clients connections includes five (5) Security Desk AND five (5) Web Clients AND five (5) Mobile Clients.

For detailed information about each individual inclusion, please refer to their respective section within the document.

Omnicast™ Standard

The Omnicast™ Standard package is the entry level package targeted for system with a low camera count which requires a cost effective solution. The Standard package includes the typical functionalities of a video management system all included in a single base package. The Standard package is intended to work on a single server installation.

A base package is mandatory for every Omnicast™ system.

The Omnicast™ Standard system can be federated by an Enterprise system.

The Archiver included in the base package cannot be installed on a separate server (single server operation only in the Standard package).

- Archiving support (Max. 50 cameras)

- Media Router

- Audio

- Camera Sequences

- Camera Dewarping

- Keyboard and Joystick

- Edge recording and trickling

- Time Zone

Synergis™ Standard

The Synergis™ Standard package is the entry level package targeted for systems with a lower reader count which requires a cost effective solution. The Standard package is intended to work on a single server installation. The base package includes the following functions at no additional cost:

- Badge designer

- Elevator control

- People counting

- Antipassback

- Two man rules

- First person in

- To set unlocking schedule

- To enable access rule

- Support for USB enrolment reader

- Mobile credential management task

- HID Mobile credential support (Origo)

A base package is mandatory for every Synergis™ system.

The Synergis™ Standard system can be federated by an Enterprise system.

The Synergis™ Standard system can connect to a Synergis™ Enterprise system for Global Cardholder Management.

The Access Manager included in the base package cannot be installed on a separate server (single server operation only in the Standard package).

Federation™ option

All Standard systems can be federated into an Security Center™ Enterprise system. No cost is associated to this option for the Standard system.

Upgrade to Pro or Enterprise

Product Code [GSC-S2P-UP] [GSC-S2E-UP]

Upgrading from Security Center™ Standard to Pro or Enterprise is available. Specific part numbers are available to upgrade from Standard to Pro or Enterprise.

Security Center Professional

The Security Center Professional base package includes the licenses to :

- Omnicast™ Professional

- Synergis™ Professional

- AutoVu™ Standard

- Plan Manager Advanced with unrestricted entity count

- Threat Levels

- Record Fusion Service

- 1 Active Directory connection

- 1 Authentication role

The Security Center Professional Base Package is limited to a maximum of 250 cameras, 20 archivers, 256 readers, 2 Access Managers, and 10 clients. The maximum of ten (10) clients connections includes ten (10) Security Desk AND ten (10) Web Clients AND ten (10) Mobile Clients. For detailed information about each individual inclusion, please refer to their respective section below.

Omnicast™ Professional

The Professional package is the ideal choice for small system which requires a cost effective solution. The Professional package includes the standard functionalities of a video management system. More advanced functionalities are offered in option.

A base package is mandatory for every Omnicast™ system.

The Omnicast™ Professional system can be federated by an Enterprise system.

One Omnicast™ Professional 5.x Base Package is required per Omnicast™ system

- Archiving support (Max. 250 cameras)

- Media Router

- Audio

- Remote Security Desk

- Camera Sequences

- Camera Blocking

- Camera Dewarping

- Keyboard and Joystick

- Edge recording and trickling

- Time Zone

Synergis™ Professional

The Professional package is the ideal choice for smaller to mid-sized systems which require a cost effective solution. More advanced functionalities are optional. The base package includes the following functions at no additional cost

- Badge designer

- Elevator control

- People counting

- Antipassback

- Two man rules

- First person in

- To set unlocking schedule

- To enable access rules

- Support for USB enrolment reader

- Mobile credential management task

- HID Mobile credential support (Origo)

A base package is mandatory for every Synergis™ system.

The Synergis™ Professional system can be federated by an Enterprise system.

The Synergis™ Professional system can connect to a Synergis™ Enterprise system for Global Cardholder Management.

Federation™ option

All Professional systems can be federated into an Security Center™ Enterprise system. No cost is associated to this option for the Professional system.

Upgrade to Enterprise

Product Code [GSC-P2E-UP]

Upgrading from Security Center™ Professional to Enterprise is available. Specific part numbers are available to upgrade from Pro to Enterprise.

Security Center Enterprise

The Security Center Enterprise base package includes the licenses to :

- Omnicast™ Enterprise

- Synergis™ Enterprise

- AutoVu™ Standard

- Plan Manager Advanced with unrestricted entity count

- Threat Levels

- 1 Active Directory connection

- Failover Directory

The Security Center Enterprise Base Package has no restriction for the number of cameras, archivers, readers, Access Managers, and clients connections.

For detailed information about each individual inclusion, please refer to their respective section within the document.

Omnicast™ Enterprise

Enterprise package is the ideal choice if you plan on benefiting from the full power of Omnicast™, as all the software options are available, as well as the ability to scale to hundred of thousands of cameras and the optional failover capabilities.

A base package is mandatory for every Omnicast™ system.

The Omnicast™ Enterprise package is also required for the head end of a Federation™ system. The Omnicast™ Enterprise Package can federate Omnicast™ Enterprise, Professional or Standard systems.

Omnicast™ Enterprise 5.x base package includes the following features:

- Archiving support (Max. 1,000 cameras per Archiver / 100 on Directory Machine)

- Auxiliary Archiving

- Media Router

- Audio

- Remote Security Desk

- Camera Sequences

- Camera Blocking

- Camera Dewarping

- Keyboard and Joystick

- Edge recording and trickling

- Hardware Matrix

- Time Zone

Failover camera connection

Failover cameras is included with Security Center starting at version 5.11, each camera license purchased include a failover camera.

Additional archiver servers may need to be deployed in order to failover the cameras.

Starting from 5.5, it is possible to configure up to three (3) archive roles to protect a single camera. This configuration allows to support disaster recovery scenarios where local archiver failover is required in addition to a central failover archiver in case the local site is completely offline but the camera can still reach the central site.

Performance

The number of cameras that can be handled by a single archiver will vary depending on the performance of the hardware where the Omnicast™ application is running. The Failover Archiver, on a high end server, can secure up to 3 archivers, and up to 900 cameras but like the regular archiver can handle the simultaneous failover of maximum 300 cameras or 300 Mbps of throughput; whichever comes first.

Important: *This item requires ordering a minimum one year of Genetec Advantage.*

Auxiliary Archiver

Auxiliary Archiving provides the capability to protect video archiving by recording a camera already managed by an archiver on a different schedule with a different video quality. This option is not a replacement of the Archiver. It is a complementary option.

This option is included in the Enteprise base package only.

Performance

The number of cameras that can be handled by a single Auxiliary Archiver will vary depending on the performance of the hardware where the Omnicast™ application is running. Like a regular archiver, the Auxiliary Archiver, on a high end server, can handle a maximum of 300 cameras or 150 Mbps of throughput; whichever comes first.

Hardware Matrix

This features allows controlling a harware matrix from Security Center using virtual cameras to switch cameras on the hardware matrix. An Omnicast™ 4.x system is required to be used as the driver for the hardware matrix. The Omnicast™ 4.x must be federated by Security Center in order to get access to the virtual cameras created by the hardware matrix driver The license for the Omnicast™ 4.x system and the federation connection are included with the hardware matrix connection.

Hardware Matrix support is only available in Enterprise.

Synergis™ Enterprise

Enterprise package is the ideal choice if you plan on benefiting from the full power of Synergis™ with the ability to scale to tens of thousands of doors and the optional failover components. The base package includes the following functions at no additional cost

- Badge designer

- Elevator control

- People counting

- Antipassback

- Two man rules

- First person in

- To set unlocking schedule

- To enable access rules

- Support for USB enrolment reader

- Mobile credential management task

- HID Mobile credential support (Origo)

A base package is mandatory for every Synergis™ system.

The Synergis™ Enterprise package is required for the head end of a Federation™ system. The Synergis™ Enterprise Package can federate Synergis™ Enterprise, Professional or Standard systems.

The Synergis™ Enterprise package is required to support Global Cardholder Management of remote independent Synergis™ systems. Remote systems can be Synergis™ Standard, Professional, or Enterprise systems.

One Synegis Enterprise 5.x Base Package is required per Synergis™ system and includes unlimited Access Managers.

A Synergis™ Enterprise system is required to support site licenses for Security Desk client applications, mobile app connections, or web client connections.

Failover Directory

In Backup/Restore mode, the Failover Directory works as a master to slave configuration. The Directory designated as the master will be responsible to push the system configuration to the slave directories after a failover. This can be automated or configured as a manual action. In this mode, configuration changes done on the secondary Directories will be lost after fail back unless the manual mode is selected to restore the changes first.

In SQL Mirroring and AlwaysOn mode, the configuration will be fully synchronized between all Directories. No loss in configuration will happen after fail back.

Failover Directory is only available in Enterprise.

Genetec™
Security Center.

Client features comparison

Genetec™

Feature	Security Desk	Genetec Web App	Genetec Mobile
Monitoring			
Maximum tiles	64	9 (Supports SD layouts which can accommodate more than 9 tiles)	8
Dynamic maps	●	(Only geographic and image maps)	(Only geographic and image maps)
Multi-monitor support	●	Supports multiple browser tabs	
Encrypted communications	●	●	●
Single sign-on	●	●	●
View/trigger alarms	●	●	●
Investigate, forward, and acknowledge alarms	●	●	
Monitor events	●	● (Watchlist)	
Notifications	In system tray	In system tray	Push notification
Debugging information	●	●	●
Intrusion detection	●		●
Incident Management			
View incidents	●	●	●
Trigger Incidents	●	●	●
Attach media to incidents	●		●
Dynamic standard operating procedures	●	●	●

Feature	Security Desk	Genetec Web App	Genetec Mobile
Investigations			
Generate report	●	Limited	Limited
Unified report	●	●	
Print report	●	● (Through exported reports)	
Export report (CSV, PDF)	●	Only CSV for now	
Supervised report export	●		
Visual reporting	●		
Customized dashboards	●		
Collaboration			
Threat level	●	●	Global only

Feature	Security Desk	Genetec Web App	Genetec Mobile
Messaging	●	●	●
Sipelia Intercoms	●		●
Trigger hot actions	●		●
Location sharing			●
Stream live video			●
Share video	●	●	

Feature	Security Desk	Genetec Web App	Genetec Mobile
Video management			
View live video	●	●	●
View video analytics overlays	●		
Video playback	●	●	●
Playback speed control	●	●	
Add bookmark	●	●	●
Take snapshot	●	●	●
Start/stop recording	●	●	●
PTZ controls and presets	●	●	●
Digital zoom	●	●	●
Manual iris/Autofocus	●	●	●
Video timeline	●	●	●
Quick search	●		
Export video	●	●	
Supervised export	●	●	
Camera blocking	●	●	●
Digital signature & Watermarking	●	●	●
Remove privacy masking	●		
Visual tracking	●		
Create camera layouts	●		
View camera layouts	●	●	●
Video archive report	●	●	
Bookmark report	●	●	●
Motion search report	●	●	●
Camera events report	●	●	●

Feature	Security Desk	Genetec Web App	Genetec Mobile
Access control			
Monitor door status	●	●	●
Cardholder access monitoring	●	●	●
Lock/unlock door	●	●	●
View associated cameras	●	●	●
Activate maintenance mode	●	●	●
Override schedule	●	●	●
Create and manage credentials	●		
Enrollment reader	●		
Create and manage cardholders	●	●	
Assign cardholder picture	●	●	
Create and manage cardholder groups	●		
Create and manage access rules	●		
Create and manage visitors	●		
Display custom fields	●	●	
Area activities report	●		
Door activities report	●	●	
Cardholder activities report	●		
Visitor activities report	●		
Area presence & Time and attendance reports	●		
Credential activities report	●		
Credential request history report	●		
Visit details report	●		

Feature	Security Desk	Genetec Web App	Genetec Mobile
Automatic license plate recognition			
View live reads	●	●	●
Hits notifications	●	●	●
View advanced vehicle analytics	●	●	●
Manage hotlists	●		
Manage permit lists	●		
Read report	●	●	●

Feature	Security Desk	Genetec Web App	Genetec Mobile
Hit report	●	●	●
Patroller tracking	●		
Inventory report	●		
Zone occupancy report	●		
Parking sessions report	●		
Parking zone activities report	●		