



**Security Center
Omnicast.**

See more. Do more.

The best in video surveillance.

The way you want it.



GenetecTM

Overview

Security Center Omnicast is a scalable, open video management system (VMS) that transforms your footage into business intelligence. It delivers a clear picture of events, enabling fast threat response and smart decisions. As your needs evolve, you can optimize security and operations using next-gen analytics and devices any way you want.

One platform. Endless advantage.



See it all in one place

Unify video with other core security systems such as access control, automatic license plate recognition (ALPR), intrusion monitoring, and communications. Streamline operator workflows and efficiency by managing all your devices and systems across multiple sites from a single interface.



Respond to threats faster

Rely on meaningful insights to respond to what matters most, and automate everything else. Tap into our robust analytics to keep your team informed and ready to act fast in any situation, making risk mitigation and daily tasks a little easier.



Deploy the hardware you need

Choose the devices that work best for your organization from an ever-evolving ecosystem of compatible tech. Get support for thousands of industry-leading cameras, encoders, storage options, sensors, and all your preferred security equipment.

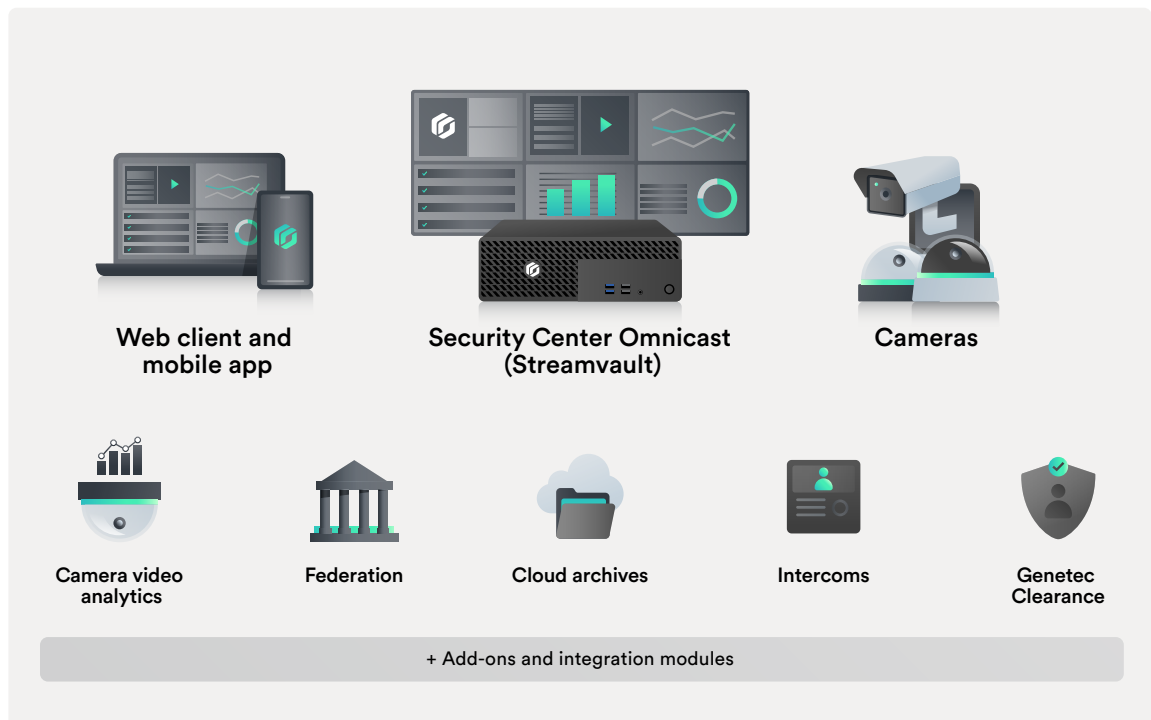


Grow without limitations

Invest in a flexible and open-architecture VMS that grows with your organization. Scale your video surveillance deployment one device or site at a time, or across multiple locations all at once. Rest easy knowing that your video system will keep pace as your goals and needs change.

Choose a VMS that's built to evolve

Adapt your VMS over time, knowing you're never locked into what you have today. Make the most of a flexible and scalable architecture to add devices and technologies from various manufacturers. Deploy any number of workstations and connect all your sites to a central headend, giving your team complete control and visibility.



Camera providers

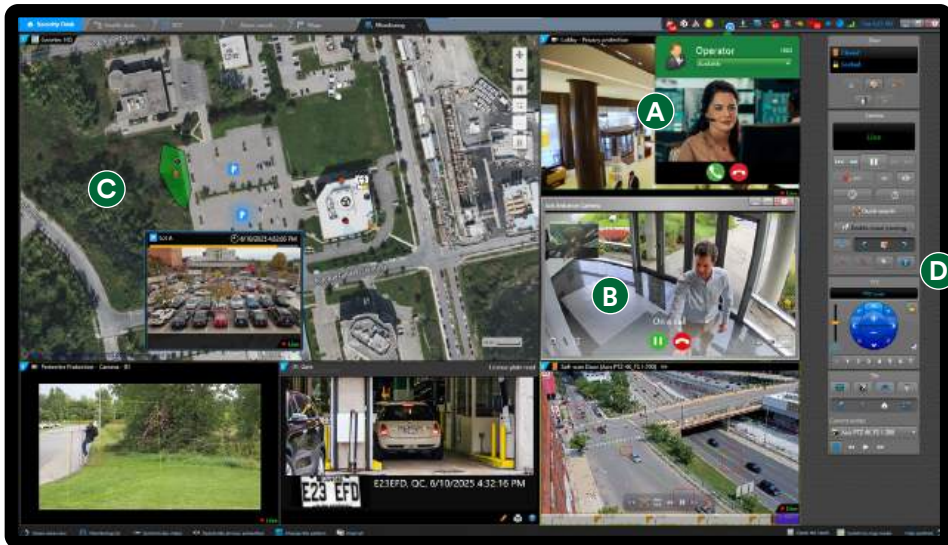


When you choose Omnicast, you can own and deploy your VMS on your own terms. Install a fully on-premises system using your existing infrastructure or choose our secure plug-and-play infrastructure solutions to get your system up and running quickly.

You can also opt for a hybrid VMS, managing both cloud and on-premises deployments from your centralized control room. Our cloud services provide secure, off-site storage for your video evidence for as long as your organization needs.

Get a clear view of the situation

Easily manage security tasks and respond quickly to emerging situations—all from one modular platform. The intuitive interface gives you access to the information you need, without clutter or complexity. Video controls and dashboards adapt in real time as situations come up, while dynamic maps help you quickly navigate between buildings and floors. All of this keeps your team focused and in control when it matters most.



- A Automate security tasks**
Receive instant notifications and automate security tasks with intrusion and object detection analytics.

- B Verify video of cardholders**
Authenticate cardholder identities against live or recorded video by viewing camera feeds associated to door activity.

- C Navigate faster using maps**
Monitor and manage all your sites using interactive maps that provide a dynamic view of all security events, alarms, and device statuses.

- D Work smarter with widgets**
Take action using an adaptive dashboard that automatically displays commands and controls associated with the currently selected camera, door, or area.

Handle security tasks on the go

Stay connected to your security system from anywhere with Genetec web and mobile apps. Whether in the field, at the front desk, or on a business trip, you get easy access to live video, cardholder management, incident tracking, communication tools, reporting, and more. This ensures every user can securely handle tasks and monitor systems from any device, helping keep people safe and systems running smoothly.



- A Monitor live video anytime**
View real-time video feeds from any connected camera on any device to stay informed and respond instantly to incidents.
- B Manage video calls in one place**
Place a video call to another operator or answer an incoming call from an intercom station, all within the same intuitive interface.
- C Optimize bandwidth streaming**
Benefit from efficient video streaming technology during mobile or remote sessions, optimizing bandwidth usage without compromising video quality.
- D Navigate buildings with ease**
Move through facility layouts and pinpoint camera locations with interactive maps built right into the apps, speeding up response to events.

Comprehensive features overview

Unified security platform

Fully embedded video, access control, and ALPR

In-app video conference using SIP-based communications

Support for thousands of IP and analog cameras, encoders, and a portfolio of partner add-ons

High availability with built-in failover or third-party solutions

On-premises and cloud-based deployment options

Connected services (automated software and firmware updates and health monitoring)

Architecture

IP-based security platform

Distributed, client-server, multi-site architecture

Compatible with third-party virtualization solutions

Embedded health monitoring and reporting engines

Support for Microsoft Active Directory user accounts

Backward and forward compatibility for servers, clients, and Federation™

Network configuration backup

Video analytics

Intrusion and object detection

People counting

Camera integrity monitoring

Privacy masking

Partner camera forensics investigation

User experience

Single task-based application for monitoring and reporting

Thick, thin (web-based), and mobile client apps

Interactive map-based monitoring that supports geo-located maps, ArcGIS data, and custom floor plans

Dynamic visual reporting with charts and histograms

In-tile camera controls including PTZ (with multi-PTZ support in quad view), recording, snapshots, and bookmarks

Navigation using physical references with the visual tracking feature

Flexible rules engine to automate processes

Automatic camera discovery and enrollment

Alarms and threat level management

Camera replacement tools

Activity trail for clearing PTZ patterns and presets

UI improvement for wearable cameras

Visualization

GPU-accelerated encoding and decoding

Latest video technologies support, including 4K, 8K, H.265, and AV1

Video wall support, including hardware and remote software

Adaptive resolution scaling

Up to 64 G64/G64x video playbacks simultaneously in the Genetec Video Player

Side-by-side live and recorded video

Camera sequencing

Storage and resilience

Complete system failover capabilities, including Directory, Archiver, and other roles

Hot standby, redundant, and auxiliary archiving

Schedule-based archive transfer to long-term storage

Multi-stage storage combining edge recording, local, and cloud-based storage

Edge recording and video trickling

Disk space warning for retention management

Various configurable redundant failover options

Streaming

Dynamic stream selection

End-to-end multicast from camera to server, including mixed-mode and multicast to unicast (and vice-versa) conversion

Client-side caching of live video

Support for metadata exchange, export, and storage

Multistream of live and recorded video at different qualities from the same camera

Cybersecurity and privacy protection

HTTPS camera connectivity

Secure Real-Time Transport Protocol (SRTP) support with certain partner devices

Enhanced video encryption with SHA-256

Fusion stream encryption

Video watermarking to prevent tampering

Real-time streaming protocol (RTSP) over transport layer security (TLS)

Video anonymization with encrypted source archive

Partner add-ons

Elevator dispatch and building automation

Industrial internet of things (IIoT) integration

Perimeter and fence protection, radar, and laser systems

Intrusion detection and gunshot detection

Biometrics and third-party access control

Video analytics, object and face recognition, and forensic search

Asset management and tracking and ID scanning

Point-of-sale, ATM, and parking systems

Body wearable camera (BWC) with MP4 and playback storage from an archiver

Security Center packages

Omnicast is available in four different packages. You can own your system through a perpetual license or begin your move to a subscription-based model. Consult the table below to find out which option is best for you.

Packages	Standard	Enterprise
Video streaming and recording	●	●
Number of archivers	1	Unrestricted
Client connections (Security Desk, Web App, and Genetec Mobile)	5	Unrestricted
Max. number of cameras	50	Unrestricted
Map management	●	●
GPU-accelerated video decoding	●	●
H.265 and AV1 support	●	●
Encryption with AES-128/256	●	●
Remote monitoring	N/A	●
Camera blocking	N/A	●
Automatic camera update and certificate management	N/A	●

Additional features

Threat level management	N/A	●
Dynamic mapping	N/A	●
Support for GIS maps	N/A	●
One (1) Active Directory connection	N/A	●
Authentication support (ADFS, OpenID Connect/SAML2)	N/A	●
Failover directory	N/A	●
Remote Security Desk	N/A	●
Federation support *	N/A	○
Cloud storage	N/A	○

● Included ○ Optional * Federation host must be Enterprise. Federated sites can be Standard, Pro, or Enterprise.



Build your system your way.

[Request a demo](#)

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