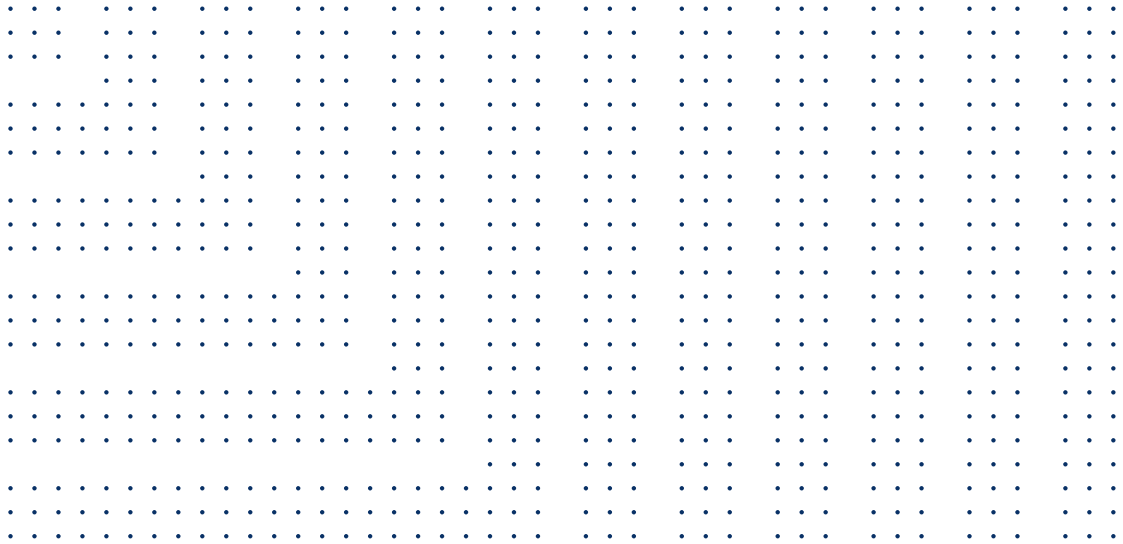




Working smarter with video



Security Center Omnicast™ is a video management solution that gives you a clear picture of events and empowers you to quickly react to threats. The system scales with your needs and lets you take advantage of the latest hardware and analytics technologies. With a smarter approach to video, your operations and security improve over time, helping you to take better, more informed decisions.

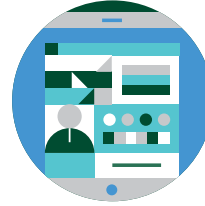


Omnicast key benefits



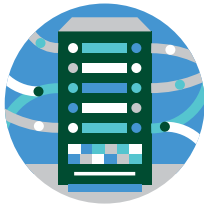
See it all

Unify video with other core security systems such as access control, automatic license plate recognition (ALPR), intrusion monitoring and communications. Get a common operating picture by navigating between multiple sites and monitoring all of your entities on a single interface.



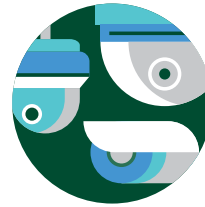
Take the right action

Rely on insights and smart data to respond to what matters and automate everything else. Our suite of unified video analytics helps you understand the situation at hand, so you can react quicker and improve your daily operations.



Fits with any hardware

Omnicast lets you tap into a constantly evolving ecosystem of technologies and choose the devices that make the most sense to your organization. The VMS supports thousands of industry-leading cameras, encoders, storage equipment, sensors and other security devices of your choice.



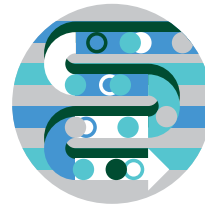
Grows with your organization

Benefit from a flexible and open architecture that grows with you. Omnicast scales to meet the changing needs of your organization, no matter the size. Get the peace of mind knowing that your video system will keep pace as conditions evolve.



Protect your system and your data

Ensure full protection of your video, data, and communications. With at-rest and in-transit encryption, managed certificates, authenticated connectivity and automated anonymization of video footage, you can ensure privacy without sacrificing security.

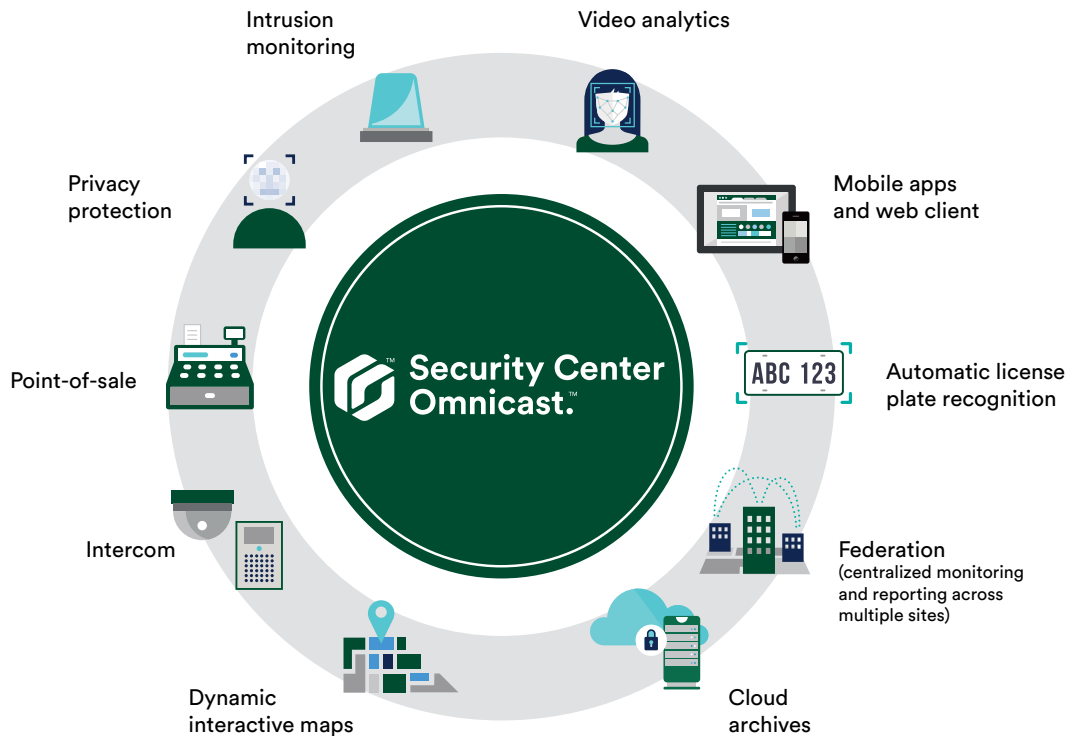


Available when you need it most

Experience uninterrupted access to live and recorded video at all times, even if you lose connectivity to your server. With built-in failover and redundancy, Omnicast protects your recordings from network failure and physical damage.

A system that grows with your organization

Omnicast lets you grow your system over time, ensuring you're never locked into a proprietary solution. The flexible and scalable architecture allows you to add devices and technologies from a variety of manufacturers. The system supports an unrestricted number of workstations and lets you interconnect as many sites as you need.



Deploy on your own terms

When you choose Omnicast, you have options for owning and deploying on your own terms. You can deploy a fully on-premises system, using your existing infrastructure, or our secure ready-to-deploy infrastructure solutions.

You can also opt for a hybrid video management system that combines Stratocast™ cloud-based systems federated into your on-premises Omnicast system. Our Cloud Archives service ensures your video evidence is stored in a secure, off-site location.

Get a clear view of the situation

Seamlessly control all operations and rapidly respond to emerging situations with a single, modular platform. The intuitive user interface provides access to rich information, while minimizing complexity for the operator. Video controls and dashboards adapt to the situation and dynamic maps let you quickly navigate between sites and building floors.



1 Automate security

Receive instant notifications and automate security tasks with intrusion and object detection analytics.

2 Live cardholder verification

Authenticate cardholder identities against live or recorded video by viewing camera feeds associated to door activity.

3 Interactive maps

Efficiently monitor and manage all your sites with interactive maps that provide a dynamic view of all security devices, alarms and system statuses.

4 Dynamic dashboard

Take action through an adaptive dashboard that automatically displays commands and controls associated with the currently selected camera, door, or area.

5 Embedded call management

Place a video call to another operator, or answer an incoming call from an intercom station, directly in the Security Center interface.

6 Anonymize people

Automatically blur or mask individuals in the camera's field of view, without obscuring actions and movements.

Augment your video surveillance system

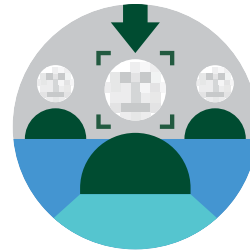
With so many cameras and other security devices to monitor, operators are often overloaded with video and sensor data. Omnicast gives you the ability to add intelligence to your video monitoring with a wide range of modules that help ensure you're looking in the right place. It transforms your data into actionable information, so you better understand situations and make the right decision at the right time.



Automated security

Secure your perimeter and prevent security breaches with real-time video analytics. Track and recognize individuals or objects in sensitive areas and be notified of unusual activity.

- Intrusion detection
- Object detection
- Facial recognition



Privacy protection

Protect the privacy of people with real-time anonymization, or by masking people's faces before sharing evidence, all the while keeping movements, actions and events recognizable.

- Live video blurring and masking
- After-the-fact privacy masking



Improving your operations

Automate maintenance by monitoring the health of your cameras and improve your everyday operations with a better understanding of the flow of people and vehicles in your environment.

- Camera integrity monitor
- Queue detection
- People and vehicle counting



Smart investigations

Narrow down investigations and take quicker actions by adding automation in the process. Define an area of interest, or specific search criteria, and let the software do the work.

- Forensics search
- Video synopsis

Omnicast key features

Open platform

Omnicast supports the cameras of your choice and operates seamlessly over your network. The VMS supports thousands of camera models, from more than 100 manufacturers.

Intelligent streaming

Grow your system and avoid network overload with advanced video streaming and bandwidth management capabilities. Omnicast gives you full control over how data is transferred and lets you deploy a mix of multicast and unicast streams that makes the most sense for your situation.

Powerful investigation tools

Find evidence faster with built-in investigation tools and 3rd party add-ons. Summarize hours of video surveillance recordings into a short brief that takes only a few moments to review.

Mobile and web apps

Use the Security Center Mobile apps to view video feeds and instantly share video from mobile devices. You can also monitor alarms and activate threat levels on the go.

Video walls and remote displays

Enhance collaboration amongst operators through video walls and remote displays that are easy to set up and manage in our software.

Unified video analytics

Automate security and improve your operations and maintenance. Our suite of video analytics allows you to quickly detect intruders, gather insights into your environment and monitor the health of your cameras.

Failover and redundancy

Count on the availability of your video recordings and access to your cameras whenever you need them with built-in failover and redundancy mechanisms that protect against hardware failure or network interruptions.

End-to-end data security and privacy

Benefit from a cybersecure solution with end-to-end video encryption, in transit or at rest. Omnicast uses secure methods to transmit video, such as the Secure Real-Time Transport Protocol (SRTP).

Versatile retention

Automate the management of longer-term storage with on-premises (dedicated servers) or in the cloud. Omnicast lets you archive your video with various quality and retention periods.

Centralized monitoring

Grow your security system and add new remote sites with Federation™. This feature allows for multi-site video monitoring and reporting, in a flexible and secure architecture.

Comprehensive feature list

Unified security platform

Unified with access control, ALPR, and intrusion detection
In-app video conference using SIP-based communications
Built-in video analytics and automated privacy masking
Support for thousands of IP and analog cameras, encoders, and portfolio of partner add-ons.
On-premises and cloud-based deployment options
Connected services (automated software and firmware updates, health monitoring)

Architecture

IP-based security platform
Distributed, client-server, multi-site architecture
Compatible with 3rd 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

Video analytics

Intrusion and object detection
People counting
Camera integrity monitoring
Forensics investigation

User experience

Single 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, recording, snapshots and bookmarks
Navigate using physical references with Visual tracking
Flexible rules engine to automate processes
Automatic camera discovery and enrollment
Alarms and threat level management

Visualization

GPU-accelerated encoding and decoding
Support for latest video technologies, including 4K, 8K and H.265
Video wall support (hardware and remote software)

Adaptive resolution scaling

Play up to 64 G64/G64x videos simultaneously in the Genetec™ Video Player

Side-by-side live and recorded video

Storage & 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 archives
Edge recording and video trickling

Streaming

Dynamic stream selection
End-to-end multicast from camera to server, incl. mixed-mode and multicast to unicast (and vice-versa) conversion
Client-side caching of live video
Support for metadata exchange, export and storage
Multi-stream 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) – supported with certain partner devices
AES-128 video encryption, with AES-256 for Cloud Archives
Fusion stream encryption
Video watermarking to protect from tampering
RTSP over TLS
Video anonymization with encrypted source archive

Partner add-ons

Elevator dispatch and building automation
Perimeter and fence protection, radar, laser systems
Intrusion detection systems, gunshot detection
Biometrics and 3rd party access control systems
Video analytics, face recognition, forensics search
Asset management and tracking, ID scanning
Point-of-sale, and ATM and parking systems

Security Center Omnicast editions

Ownership model – perpetual or subscription

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

Editions	Standard	Pro	Enterprise	SaaS
Maximum number of cameras	50	250	Unrestricted	Unrestricted
Maximum number of clients	5	10	Unrestricted	Unrestricted
Number of archivers	1	20	Unrestricted	Unrestricted
Plan Manager	●	●	●	●
Cloud archives	●	●	●	●
GPU-accelerated video decoding	●	●	●	●
Video stream & recording	●	●	●	●
Encryption with AES-128/256	●	●	●	●
Federation-as-a-Service	●	●	●	●
H.265 support	●	●	●	●
Remote Security Desk		●	●	●
Native archiver & directory failover			○	●
Federation*			○	●

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

Build your system on a strong foundation with Streamvault

Streamvault™ is our line of secure, ready-to-deploy security infrastructure solutions that help you reduce system design and installation time. With Security Center pre-loaded, Streamvault simplifies deployment and maintenance and offers you a clear path to unify your security operations.



All-in-one: Compact and versatile appliance that combines server and workstation in a single device.



Rackmount: High performance and scalability for various deployments.



Workstations: Fluid live viewing and playback of high-resolution video streams.

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