

Intelligent IP Video Surveillance

Omnicast™ is the ideal solution for organizations requiring a unified management of security video, audio and data via IP networks. With the introduction of innovations such as the Virtual Matrix, fully fault-tolerant software and city wide surveillance, Omnicast has proven to be the solution of choice in numerous markets including homeland, enterprise, public, and VIP security.



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Innovative Features

Genetec introduces unique concepts within Omnicast™ that redefine physical security. Discover some of Omnicast's most innovative features.



Federation™ — Omnicast's Federation makes city wide surveillance a reality by allowing multiple independent Omnicast systems from numerous organizations to be managed as if it were a single unified system. The Federation™ allows security to transcend organizational and geographic boundaries.

Metadata Engine — The Metadata Engine redefines security data management. Data from multiple sources, such as video analytics, license plate recognition and access control, is collected by the Metadata Engine and indexed to the relevant video/audio sequence(s), enabling intelligent queries and detailed real-time event information.

Failover and Redundancy — Omnicast's failover and redundancy features ensure access to all live and archived data at all times. Failover servers can automatically assume all functions of a failed component while redundant servers continuously record all or only high priority camera feeds.

IP Intercom — Leveraging Omnicast's IP architecture, audio can be transmitted over standard LANs, WANs or even the Internet, through Omnicast's IP Intercom feature. The IP Intercom is an innovative and easy to use audio recording and vocalization tool providing two-way audio communication.

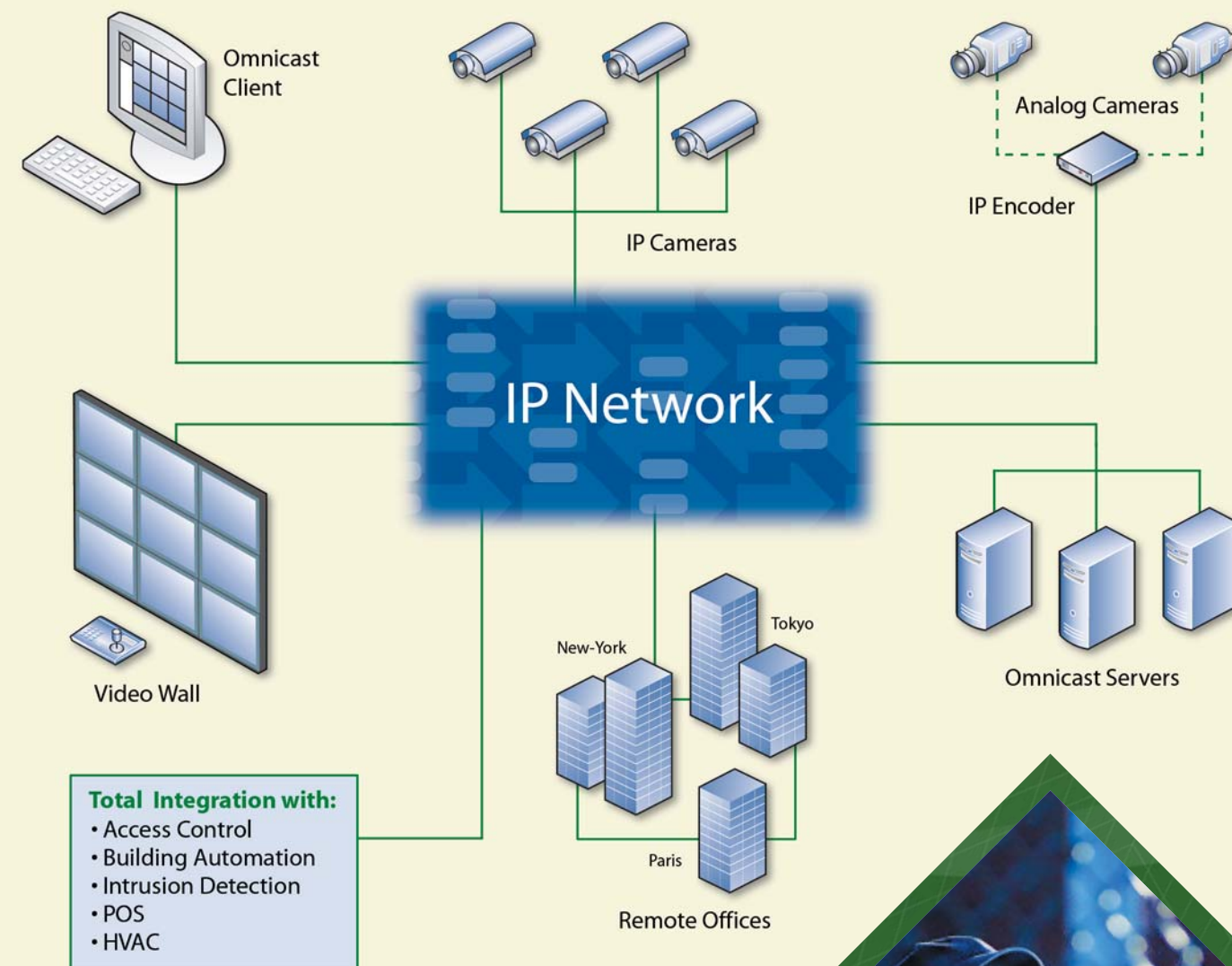
Video Analytics Technologies — Revolutionary video analytics technologies offer users unparalleled intelligence with sophisticated object and human detection and identification capabilities. From abnormal behavior recognition to access tailgating to object left detection, video analytics technologies can be used to generate specific and actionable alarms.

Integrity Safeguards — Omnicast offers multiple security features to safeguard against tampering, interception and distortion of video along with unauthorized access to the system. Technologies employed include 128 bit SSL encryption on all communications as well as an integrated digital signature that uniquely identifies each video frame.



Solution Diagram

The IP network is central to Omnicast's architecture, providing end-to-end connectivity from camera to workstation across the world.



I Choose Omnicast

Provides unified management of security video, audio and data via IP networks



Benefits that scale

From one location to city wide surveillance

Unequaled Scalability

With Omnicast™ you can add cameras, workstations or any other component of the system anywhere on the network, at any time. Systems can grow from a single camera to tens of thousands of cameras, one camera at a time. In addition to simple camera counts, Omnicast redefines scalability with its revolutionary Federation™ concept. With Federation, large scale city-wide surveillance is now a reality.

Unmatched Reliability

Omnicast is specifically designed with no single point of failure. This design, coupled with Omnicast's innovative failover and redundant technologies, provides users with a system unmatched in terms of reliability. Omnicast offers you peace of mind by ensuring that your system is up and running at all times.

Layout Flexibility

Video, audio and other data can be transmitted over existing wired and wireless IP networks, ranging from cat-5 to wireless technologies, such as WIFI. This multitude of transmission options allow you to control cameras placed in extremely remote locations and to manage cameras located all over the world from a central location.

Unified Security Platform

Omnicast's open platform enables the management of various systems including access control, HVAC, building automation, point of sale and video analytics technologies. Omnicast's revolutionary Metadata Engine brings integration to an entirely new level by consolidating information from numerous sources and transforming it into intelligence.

Hardware Freedom

Omnicast offers you the freedom of selecting hardware that best suits your needs. Whether you require IP, analog or other camera types, Omnicast has the capability of managing all these technologies. This flexibility even enables integration with legacy CCTV equipment, meaning you can leverage your previous investments while upgrading to the latest security technologies.

Powerful Applications

Omnicast offers an array of applications tailored to match and surpass today's security professional's requirements through easy to use interfaces.



Live Viewer — Omnicast's™ Live Viewer application serves as the control and monitoring center of your entire security system.

Archive Player — Omnicast's Archive Player offers quick and effective retrieval and playback of all stored video, audio and data.

Config Tool — The Config Tool application provides an intuitive interface that enables users to manage and configure various components of the Omnicast system such as sites, users, archiving schedules, recordings and various other devices.

Web Client — Omnicast's Web Client application provides unlimited remote access to all live and archived video, audio and data.

Report Viewer — Offering seven standard report options, the Report Viewer provides a customizable and easy to use reporting tool ensuring administrators are continually aware of all aspects of their security system.

Pocket PC Viewer — Omnicast's Pocket PC Viewer provides users with wireless, mobile video.

Map Editor — The Map Editor enables users to create interactive maps through a simple drag-and-drop function allowing users to easily control system functions including PTZ controls and alarms.



Specifications

Video

- MPEG-4 / MPEG-2 / MJPEG compression
- Bandwidth managed from 8 Kbits/s to 10 Mbits/s per camera
- Up to 60 fps per camera
- Resolution from 176x120 to multi megapixel
- IP and analog camera support

Transmission

- Video and audio transported over any IP network
- IP Multicast minimizes bandwidth use
- Wireless connectivity over 802.11a/b/g or cellular
- Remote access via DSL, cable, cellular, ISDN, T1 or T3

Display

- Up to 16 simultaneous live cameras displayed per digital monitor
- Unlimited digital monitor support
- Analog video wall support
- Unlimited remote sites managed from one unified interface
- Instant replay capability on any camera
- Digital zoom for clear identification
- Touch screen supported and optimized
- Overlay PTZ Control

Storage

- Distributed archiving allows for unlimited storage
- Archiving performed using standard storage technology
- Multi-Stream technology allows for independence of storage and live display settings
- Intelligent search capabilities based on meta-data, date/time, events, bookmarks and motion
- Schedules based on sunrise/sunset, meta-data, time/date, event, motion

Integration

- Over 30 PTZ control protocols
- Synergis IP Access Control Solution
- IP LPR Solution
- Intellivision Video Analytics Solution
- Major third party access control systems
- Building Automation
- Point of (Sale POS)
- Heating, Ventilating & Air Conditioning systems
- CCTV Matrix Switches and Keyboards
- DVR

Audio

- Full duplex IP intercom
- Multiple audio protocols supported



I Choose Omnicast

The ideal video solution for homeland, enterprise and public security





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About Genetec

Genetec Inc., incorporated in 1997, is a pioneer in IP video surveillance solutions and a leader within the physical security industry. Based in Montreal, Genetec is an international organization with a presence in various cities worldwide including Paris and Dubai. This global network enables Genetec to effectively serve the North American, European and Middle Eastern markets. Genetec's success is built on its dynamic team of highly skilled individuals dedicated to the development of tomorrow's cutting edge security technologies.

Genetec is recognized as an innovator in IP security products and related services through the creation of revolutionary solutions that are both reliable and user-friendly. As one of its core values, Genetec demonstrates a commitment to customer care unmatched within the industry. Hundreds of organizations worldwide trust Genetec's solutions to safeguard their assets and personnel.



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