# Omnicast

## Mass Transit
### Onboard Surveillance for Mass Transit

**Safeguarding employees and passengers goes beyond mass transit terminals. Transit authorities face the same challenges of ensuring public safety, managing incidents, reducing risks and addressing liability claims onboard trains and buses.**

**Omnicast, Genetec's renowned IP video surveillance system, part of our unified security platform, the Security Center, helps you tackle these issues by increasing information sharing and reducing response time to incidents. Omnicast is not only feature rich and easy-to-use, but as an open-architecture video management system, you have the freedom to choose each component onboard your fleet.**

## Take Control of Your Onboard Cameras

**Automatically Transfer Onboard Recordings -** Omnicast enables video stored onboard vehicles to be transferred to an organization's central system, to ensure the safety of video recordings. When a vehicle returns to its station, archived video can be automatically offloaded, allowing all authorized users to view the recordings, and transfer the video to long-term storage equipment. Onboard video recording can be offloaded through its entire length or more efficiently through tagged video clips associated to events.

**Enjoy The Freedom to Choose Your Own Hardware –** No need to lock yourself into proprietary solutions. Omnicast allows you to build your onboard video system just how you want it. Select your cameras and servers, or go serverless by opting for cameras with edge-recording capabilities.

**Unify Your Fixed and Onboard Systems –** Imagine following a suspect from the vehicle through the terminal during an investigation or in real time without switching applications. Omnicast lets you do just that. Manage all your fixed and onboard systems under one platform and get a complete view of what is happening throughout your entire mass transit operation.

**Share Information Across Your Entire Fleet –** Whether you have hundreds of vehicles or thousands of cameras, Omnicast can manage it. And, this robust system allows you to monitor all independent systems as if they were one from your operational control center. You can also share video footage with authorities during emergencies and even access system data from your phone for enhanced situational awareness.

**Integrate Video with All Your Business Systems –** Integrate Omnicast with GPS and accelerometer systems for vehicle tracking, or incorporate third-party video analytics to be alerted of objects left behind or people crossing over tracks. Use interactive maps integrated into your Omnicast system for ease of navigation and quick access to video.

## Omnicast Key Features

Transit authorities worldwide have already deployed Omnicast to help monitor their operations. Here are a few key features of our IP video surveillance system that benefit our customers.

Get the highest video quality with the support of various compression formats including H.264, MPEG-4, MJPEG.

Configure different video settings for live viewing, remote live viewing, recording, etc., for storage flexibility and bandwidth optimization.

Configure or trigger alarms based on different events such as when an event is detected and associate each event to specific users and required actions such as acknowledge, forward, snooze, trigger start/stop recording, send email notifications or show the procedure.

Access cameras during live events from mobile devices such as iPhone, iPad, BlackBerry or Android.

Provide secure access to the system to law enforcement, first responders and other authorities for enhanced situational awareness in an emergency.

Benefit from integrated video, audio and other vehicle data transfer via wireless connectivity over WiFi or cellular.

Integrate Omnicast with GPS, maps and other transit systems for consolidated information and better decision-making.

Innovative **Solutions**

## Genetec

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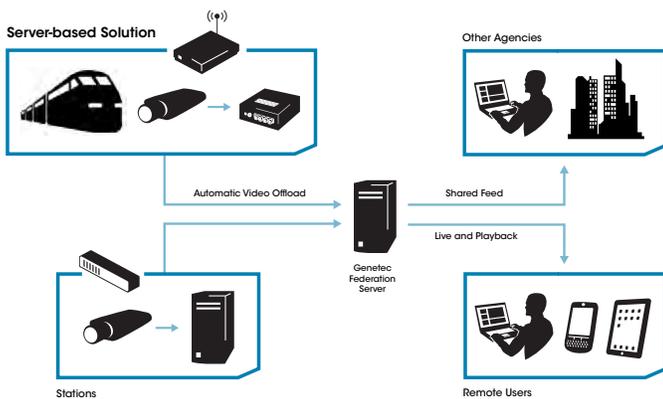### Choose Your Server or Go Serverless

There are two ways to deploy Omnicast in an onboard video transit system: choose the server that best suits your needs and budget or simply go serverless.

### Server-based deployment

**How does this work?** Choose your cameras and connect them all back to your onboard server where video is managed and stored by an Omnicast system. You can then automatically offload the video back to a central server through a wireless network for long-term archiving and video verification.
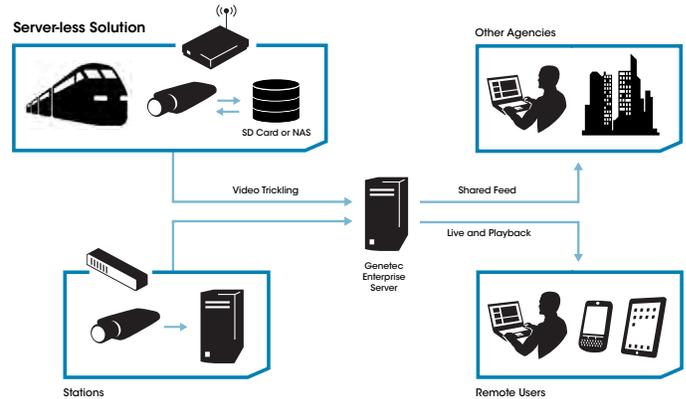
**What's the result?** You get a powerful onboard surveillance system, benefit from added flexibility during future hardware upgrades and run other applications like in-vehicle advertising on the same server.

### Serverless deployment

**How does this work?** Using IP cameras with edge-recording capabilities, you can store video directly on the camera. Omnicast's Video Trickling feature will then enable the wireless transfer of the video to your central server so you can access recordings from your entire fleet, instantly.

**What's the end result?** You get a reliable and advanced IP video management system, reduce your total cost of ownership and save on hardware maintenance for years to come.



Server-based Solution · Other Agencies · Automatic Video Offload · Shared Feed · Genetec Federation Server · Live and Playback · Stations · Remote Users



Server-less Solution · Other Agencies · SD Card or NAS · Video Trickling · Shared Feed · Genetec Enterprise Server · Live and Playback · Stations · Remote Users

## Omnicast Specifications

| Overview | • IP solution | • Bidirectional audio | • Guard tour |
| --- | --- | --- | --- |
| | • Up to 16 cameras | • Motion detection | • Bookmark |
| | • 5 user connections | • Alarm management | • Snapshots |
| | • Automatic wireless offloading | • Event to action | • Email notification |
| | • Web clients | • Maps | • Health monitoring |
| | • Digital zoom | • Camera sequences | |
| Recording | • Up to 16 cameras or 32 Mbps | • Pre/post event recording | |
| | • H.264, MPEG-4, MJPEG | • Event, alarm, bookmark searches | |
| | • Recording schedules (continuous, on events/alarms, on motion, manual) | • Video export | |
| Security | • User permissions and privileges | • Digitally signed video recording (watermarking) | |
| | • Authenticated user logins | • Password-protected export | |
| | • Camera permissions | | |
| Database | • SQL Express | | |
| Languages | • Arabic, Czech, Dutch, English, French, German, Italian, Japanese, Korean, Persian, Polish, Portuguese, Russian, Simplified Chinese, Slovak, Spanish, Thai, Traditional Chinese | | |

### About Genetec

Genetec is a pioneer in the physical security and public safety industry and a global provider of world-class IP license plate recognition (LPR), video surveillance and access control solutions to markets such as transportation, education, retail, gaming, government and more. With sales offices and partnerships around the world, Genetec has established itself as the leader in innovative networked solutions by employing a high level of flexibility and forward-thinking principles into the development of its core technology and business solutions. Genetec's corporate culture is an extension of these very same principles, encouraging a dynamic and innovative workforce that is dedicated to the development of cutting-edge solutions and to exceptional customer care. For more information, genetec.com.

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