



Omnicast™ Enterprise 4.5 Managed Video Services Software

Release Notes

Version 4.5 GA

October 21, 2009



OMNICAST

Enterprise Security Software IP Video Surveillance



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Table of Contents

General Information	7
Contacting Technical Support	7
New Features and Enhancements	8
New Features for 4.5 GA	8
Edge Video Analytics.....	8
Supported OV Ready compliant units	8
Supported units with built-in analytics	8
H.264 software motion detection.....	9
Restrict number of workstations a user can login from	9
Password expiration	9
Expanded Sony H.264 support	9
Password protected export.....	9
Bosch IntuiKey CCTV keyboard support.....	9
Additional support for Sony units	9
Single-click Archive Player.....	10
Offline export	10
Additional playback speeds	10
Panasonic PTZ pattern configuration	10
Lenel OnGuard plugin.....	10
Panasonic “new” PTZ protocol	10
DirectShow filter enhancement	10
Genetec protocol enhancement	10
GenericPlus Extension	11
IQinVision Extension.....	11
Newly supported hardware.....	12
New language	13
Documentation issues	13
New Features for 4.4 GA	13
AutoVu Extension.....	13
New plugin	13
Supervised Logon.....	14
GE CamPlus 2 IP Extension	14
Optelecom-NKF Extension	14
Newly supported hardware.....	14
Panasonic Input and Output Pins	15
Plugin Version Independence and Improved Documentation.....	15
Copy Configuration Tool Improvements	15
New Events	15
PTZ zoom by user and PTZ zoom by user stopped	15
Redirection started and Redirection stopped.....	16
Support for New Software Platforms	16
Microsoft® Windows Server® 2008	16
SQL Server 2008.....	16
Virtualization with VMWare.....	16



New languages	16
New Features for 4.3 GA	16
Support for Axis PTZ camera patterns	16
Software motion detection for Axis cameras	16
Enhanced support for Barco Hydra plugin	17
Pelco Extension	17
Panasonic Motion Detection	17
Archive Retention Period	17
Documentation Improvements	17
New Features for 4.2 GA	18
New documentation structure	18
Hidden site	18
Newly supported hardware	18
Camera tampering detection	18
Fully integrated Web access for Axis units	18
Panasonic unit events supported	18
NTBackup is no longer supported	19
Independent synchronization of the Directory and Alarm databases	19
Simplification of network connection types	19
Seek when the end of recording is reached	19
Full path in Archive Player entity description	19
New plugin	19
New languages	19
New Features for 4.1 GA	20
New documentation structure	20
Single installation package for all supported languages	21
New user privileges	21
New hardware support	21
Dynamic stream switching in Live Viewer	21
Ability to delete video files manually	22
Ability to edit and delete bookmarks	22
Independent recording schedules for Auxiliary Archivers	22
Backup for Auxiliary Archivers	22
Multiple addresses for Gateway multicast connection test	22
IP filtering	22
Independent unit discovery timeouts for each connection type	22
Retention period for restored backup sets	23
Ability to set the key frame interval below one second	23
Supported Video Units	24
ACTi IP Cameras	25
ACTi firmware compatibility matrix	25
ACTi unit limitations	25
ACTi unit restrictions	25
Arecont Vision IP Cameras	26
Arecont firmware compatibility matrix	26
Arecont unit limitations	26
Arecont unit restrictions	26
AutoVu Sharp Video Units	28
AutoVu Sharp firmware compatibility matrix	28



AutoVu Sharp unit limitations	28
AutoVu Sharp unit restrictions	28
AXIS Video Units	29
AXIS firmware compatibility matrix	29
AXIS unit limitations	30
AXIS unit restrictions	30
Bosch Video Units	31
Bosch firmware compatibility matrix	31
Bosch unit limitations (Bosch extension)	32
Bosch unit limitations (Generic extension)	32
Bosch unit restrictions (Bosch extension)	32
Bosch unit restrictions (Generic extension)	33
GE Video Units	34
GE firmware compatibility matrix	34
GE unit limitations	34
GE unit restrictions	34
IQinVision Video Units	36
IQinVision firmware compatibility matrix	36
IQinVision unit limitations	36
IQinVision unit restrictions	37
JVC Video Units	38
JVC firmware compatibility matrix	38
JVC unit limitations	38
JVC unit restrictions	38
March Networks Video Units	40
March Networks firmware compatibility matrix	40
March Networks unit limitations	40
March Networks unit restrictions	40
Optelecom-NKF Video Units	41
Optelecom-NKF firmware compatibility matrix	41
Optelecom-NKF unit limitations (Optelecom extension)	41
Optelecom-NKF unit limitations (Generic extension)	41
Optelecom-NKF unit restrictions (GenericPlus extension)	41
OTN Video Units	42
OTN firmware compatibility matrix	42
OTN unit limitations	42
OTN unit restrictions	42
Panasonic Video Units	43
Panasonic firmware compatibility matrix	43
Panasonic unit limitations	43
Panasonic unit restrictions	44
Pelco Video Units	45
Pelco firmware compatibility matrix	45
Pelco unit limitations	45
Pelco unit restrictions	45
Siemens Equipment	46
Siemens firmware compatibility matrix	46
SONY IP Cameras	47



OMNICAST

Enterprise Security Software IP Video Surveillance



SONY firmware compatibility matrix	47
SONY unit limitations	47
SONY unit restrictions	48
Teleste MPX-E8 Encoder	49
Teleste compatibility matrix	49
Teleste unit limitations	49
Teleste unit restrictions	49
Verint Video Units	50
Verint firmware compatibility matrix	50
Verint unit restrictions	50
Vivotek IP Cameras	52
Vivotek firmware compatibility matrix	52
Vivotek unit limitations	52
Vivotek unit restrictions	52
Omnicast Generic Extension	53
Omnicast Generic Extension matrix	53
Omnicast Generic Extension unit limitations	54
Omnicast Generic Extension unit restrictions	55
Addressed Issues	56
Issues from 4.4 SR1 addressed in 4.5 GA	56
Issues from 4.4 GA addressed in 4.4 SR1	57
Issues from 4.3 GA addressed in 4.4 GA	58
Issues from 4.2 GA addressed in 4.3 GA	58
Issues from 4.2 BETA addressed in 4.2 GA	58
Issues from 4.1 SR3 addressed in 4.2 BETA	59
Issues from 4.1 SR2 addressed in 4.1 SR3	60
Limitations	62
Known Issues/Limitations	62



OMNICAST

Enterprise Security Software IP Video Surveillance



General Information

These release notes highlight features that have been added or have changed in Genetec Omnicast Version 4.5 GA.

Contacting Technical Support

For more information or support, you can contact Genetec's Technical Assistance Center (GTAC) in the following ways:

- Genetec's Technical Assistance Portal (GTAP): For in-depth product technical information and assistance, customers can log in to the GTAP at: <http://gtap.genetec.com/>
- Email: support@genetec.com
- Telephone: 1-866-338-2988 (Canada and US only) or 1-514-856-7100
- Fax: 1-514-332-1692 from Monday to Friday, 8:00 AM to 8:00 PM (Eastern time, GMT -5h)

No matter how you contact us, it's a good idea to have all relevant product information available, including System ID and product version information.



New Features and Enhancements

New Features for 4.5 GA

Edge Video Analytics

Omnicast now offers video analytics on the edge with OV Ready compliant video units and other units that have edge analytics capability (Bosch, Panasonic, and Sony). The video is analyzed directly by the unit, and events are sent to the Live Viewer for immediate notification. The events are stored by the Omnicast Archiver so they can be queried at a later date. For OV Ready compliant units, you can use the Config Tool to set up rules that will trigger events based on suspicious actions without having to open a separate interface for configuration. You can also use the Config Tool to associate actions to your edge analytics events to determine how the system will handle them.

For more details about setting up video analytics rules with an OV Ready compliant unit, see “Video Analytics” in the *Omnicast Administrator Guide*.

For information on how to set up video analytics rules on a Bosch, Panasonic, or Sony unit, see the manufacturer’s documentation for that unit.

For the list of units that support edge video analytics, see below.

Supported OV Ready compliant units

Manufacturer	Unit Models	Extension
Pelco	<ul style="list-style-type: none"> IXE20DN-OSP IXE20C-OSP 	<ul style="list-style-type: none"> Pelco
Lanaccess	<ul style="list-style-type: none"> onSafe MPEGx-404 	<ul style="list-style-type: none"> Generic

Supported units with built-in analytics

Manufacturer	Unit Models	Extension
Bosch	<ul style="list-style-type: none"> VIPX1/VIPX2/VIPX1600 VJ X10/VJ X20/VJ X40 Dinion IP NWC-0455/IP NWC-0495 AutoDome 100 Flexidome IP 	<ul style="list-style-type: none"> Bosch
Panasonic	<ul style="list-style-type: none"> WJ-NT314 	<ul style="list-style-type: none"> Panasonic
Sony	<ul style="list-style-type: none"> SNC-RZ50/SNC-RX570/SNC-RX550/SNC-RX530 SNC-DF80/SNC-DF50/DNC-DF85 SNC-CS50 SNC-DM160/DS60/DM110/DS10/CM120/CS20 	<ul style="list-style-type: none"> Sony

H.264 software motion detection

Software motion detection for H.264 streams is now supported in Omnicast for cameras that have the following extension types:

- Arecont
- Axis
- Sony
- IQinVision
- Pelco

Restrict number of workstations a user can login from

You can now limit the number of simultaneous workstation connections a user has to the system. This option prevents a user from using all the available user connection licenses if they logon (or forget to logoff) multiple stations.

Password expiration

To increase the security of the system, you can now restrict the number of days a password can be used. Once set, the user is required to change his/her password at regular intervals and the previous password cannot be used.

Expanded Sony H.264 support

H.264 streams are now supported on third generation Sony units.

Password protected export

When exporting a video file from the Archive Player, Omnicast allows you to add an encryption key to your file that is also required for viewing that file.

Bosch IntuiKey CCTV keyboard support

Omnicast supports the Bosch IntuiKey CCTV keyboard and the following functions:

- PTZ control
- Camera switching
- Video playback
- Alarm acknowledgment
- Run macro
- Trigger alarm
- 1x1 display change
- 2x2 display change

Additional support for Sony units

Omnicast now offers support for the following:



OMNICAST

Enterprise Security Software IP Video Surveillance



- Input pins for second, third, and fourth generation Sony video units, and output pins for all generations of Sony video units.
- Firmware upgrades.

Single-click Archive Player

A single-click Archive Player is now available as a free tool on the Omnicast installation DVD. The single-click Archive Player has the same functionality as the full Archive Player but you do not need any Omnicast software installed to use it.

Offline export

When in offline mode, you can now export a portion of a previously exported .g64 video. This is useful when you want to view a small segment of a previously exported clip.

Additional playback speeds

There are four new playback speeds to help you view events. For fast forwarding, a 6x and 8x speed has been added. For rewinding, a -1x and -4x speed has been added.

Panasonic PTZ pattern configuration

Omnicast now supports Panasonic PTZ pattern configuration for Panasonic WV-NS954 and WV-NW964 IP PTZ cameras.

Lenel OnGuard plugin

The Lenel OnGuard plugin for Omnicast now supports input points.

Panasonic “new” PTZ protocol

Omnicast now supports the *new* PTZ protocol with position data return for analog Panasonic PTZ.

DirectShow filter enhancement

New stream usage parameter allows you to select a video stream.

Genetec protocol enhancement

The Genetec protocol now offers support for the following:

- Audio input and output
- Input and output pins
- Decoder mode (for live video only)
- Automatic Discovery
- Extended events support (video analytics and custom events)



OMNICAST

Enterprise Security Software IP Video Surveillance



GenericPlus Extension

The new GenericPlus extension supports the following units from multiple manufacturers:

- JVC VN-V25U
- JVC VN-V26U
- JVC VN-X35U
- JVC VN-V225U
- JVC VN-V22VPU
- JVC VN-X235VPU
- JVC VN-V685U
- JVC VN-V686BU
- JVC VN-V686WPBU
- Optelecom-NKF C-40
- Optelecom-NKF S-44
- Optelecom-NKF C-44

IQinVision Extension

A new extension is now available in Omnicast for IQEye hardware. The IQinVision extension adds support for the following units:

- IQEye Sentinel Series IQ811/IQ851
- IQEye Sentinel Series IQ802/IQ852
- IQEye Sentinel Series IQ803/IQ853
- IQEye Sentinel Series IQ805/IQ855
- IQEye 700 Series IQ711/IQ751
- IQEye 700 Series IQ702/IQ752
- IQEye 700 Series IQ703/ IQ753
- IQEye 700 Series IQ705/IQ755
- IQEye 4 Series IQ040S
- IQEye 4 Series IQ041S
- IQEye 4 Series IQ042S
- IQEye 4 Series IQD40S
- IQEye 4 Series IQD41S
- IQEye 4 Series IQD42S
- IQEye 5 Series IQ540SI
- IQEye 5 Series IQ541SI
- IQEye 5 Series IQ542SI
- IQEye 5 Series IQ510
- IQEye 5 Series IQ511
- IQEye Alliance Series IQA10
- IQEye Alliance Series IQA11
- IQEye Alliance Series IQA12
- IQEye Alliance Series IQA13



- IQEye Alliance Series IQA15
- IQEye Alliance Series IQA20
- IQEye Alliance Series IQA21
- IQEye Alliance Series IQA22
- IQEye Alliance Series IQA23
- IQEye Alliance Series IQA25

Note: If you are upgrading to Omnicast 4.5 from a previous version and would like to transfer your IQEye cameras from the Generic extension to the IQinVision extension, please contact Technical Support.

Newly supported hardware

Besides the unit types that are now supported in the new extensions described above, the following unit types have also been added to the list of supported video units.

Unit Extension	Unit Types
Arecont	<ul style="list-style-type: none"> • AV1305/AV1355 • AV2105/AV2155 • AV3105/AV3155 • AV5105/AV5155 • AV8185/AV8365
Axis	<ul style="list-style-type: none"> • P3343 • P3344 • P3011 • P3014 • Q7404
Generic Extension	<ul style="list-style-type: none"> • EUKLIS KLIS 360-5M • Impath Networks i5110-E • Mango Condor VS-8 • Mango Condor VS-16 • Optelecom-NKF FD2x • Optelecom-NKF BC2x • Panasonic WV-NP502 • Panasonic WV-NW502S • Teleste MPX-E8 • Bosch EX36 • Bosch EX7 • Bosch EX30 • Bosch EX80 • Bosch EX82
Genetec	<ul style="list-style-type: none"> • March Networks CamPX H • March Networks CamPX D • March Networks MicroDome • March Networks Edge 4 • OTN Blade card encoder



Unit Extension	Unit Types
Pelco	<ul style="list-style-type: none">• Sarix IXSO• Sarix IX10• Sarix IXE20• Sarix IX30• Sarix IDSO• Sarix ID10• Sarix IDE20• Sarix ID30

New language

Omnicast 4.5 now supports Korean.

Documentation issues

The following information provides corrections and updates to the documentation provided with Omnicast 4.5 GA. The documentation will be updated in Omnicast 4.5 SR1.

- When configuring your audio options for the Archive Player, Live Viewer, and Config Tool, the “Preferred device” and “Transmission/Reception” settings are no longer available.
- The French documentation for Omnicast is not up-to-date.
- In “Appendix D” of the *Omnicast Administrator Guide*, the outgoing UDP data ports default should be 8000 to 12000, not 8000 to 9000.


New Features for 4.4 GA

AutoVu Extension

A new extension is now available in Omnicast for AutoVu Sharp hardware. The AutoVu extension adds support for several units.

- AutoVu Sharp XGA 1.0
- AutoVu Sharp XGA 1.5
- AutoVu Sharp EX 1.0
- AutoVu Sharp EX 1.5

New plugin

-  AutoVu LPR–video analytics plugin analyzes license plates captured by AutoVu Sharp cameras and is capable of matching them to a hotlist of wanted or otherwise noteworthy vehicles.

Please read about it in the *AutoVu LPR Plugin User Guide*.



Supervised Logon

Users can now be configured so they require a supervisor when connecting to a client application in Omnicast. Supervised logons provide an additional security measure since both the user and the user's supervisor must enter their credentials for the user to gain access to Omnicast.

GE CamPlus 2 IP Extension

A new extension is now available in Omnicast for GE CamPlus 2 IP hardware. The GE CamPlus 2 IP extension adds support for several units.

- GEC-IP2B
- GEC-IP2D
- GEC-IP2VD
- GEC-IP2VD-DN

Optelecom-NKF Extension

A new extension is now available in Omnicast for Optelecom-NKF hardware. The Optelecom-NKF extension adds support for several units.

- C-50
- S-50
- C-54
- S-54

Newly supported hardware

Besides the unit types that are now supported via the new extensions described above, the following unit types have also been added to the long list of supported video units.

Unit Extension	Unit Types
ACTi	<ul style="list-style-type: none"> • ACM-4200 • ACM 7411
Axis	<ul style="list-style-type: none"> • AXIS M1011 • AXIS M1011-W • AXIS M1031-W • AXIS M3011 • AXIS M7001 • AXIS P1311 • AXIS P3301/P3301-V • AXIS Q1755 • AXIS Q7401 • AXIS Q7406
Panasonic	<ul style="list-style-type: none"> • WV-NF302/DG-NF302 • WV-NP304/DG-NP304
Sony	<ul style="list-style-type: none"> • SNC-CM120 • SNC-CS10 • SNC-CS11



Unit Extension	Unit Types
	<ul style="list-style-type: none"> • SNC-CS20 • SNC-DF85 • SNC-DM110 • SNC-DM160 • SNC-DS10 • SNC-DS60 • SNC-RX530/RX570
Generic Extension	<ul style="list-style-type: none"> • Arecont AV3105 H.264 • IQEye Alliance Series H.264 • Pelco Sarix H.264 Series

Panasonic Input and Output Pins

Input and output pins are now supported for all Panasonic units.

Omnicast enforces a particular pin configuration even for units where these are configurable as inputs or outputs; as well, there are other limitations, for example to do with I/O events. See **I/O limitations** page 44.

Plugin Version Independence and Improved Documentation

Several Omnicast plugins are now version independent. They work with Omnicast version 4.4 and up.

As well, most plugins now have their own user guide covering only the information specific to each plugin, including its new features and enhancements and other release information.

For a list of current plugins along with their respective user guide, see the *Plugin Manuals* section in any of the Omnicast 4.4 user guides.

Copy Configuration Tool Improvements

You can now select all cameras for the destination when copying Video Quality options from a source camera, and the software filters which cameras in the selection they are applied to based on validity. Previously, you had to limit your selection of destination cameras so that they were the same type as the source.

New Events

PTZ zoom by user and PTZ zoom by user stopped

The PTZ zoom by user event is now generated when a user zooms a PTZ. The PTZ zoom by user stopped event then follows, a configurable period of time after the initial zoom event occurred.



Redirection started and Redirection stopped

The Redirection started event is now generated when a video stream is redirected on the Gateway or Federation Server. The Redirection stopped event is then generated when the redirection is terminated.

Support for New Software Platforms

New operating system, SQL, and virtualization options are now supported, as summarized below. See the *Omnicast Installation and Upgrade Guide* for more information.

Microsoft® Windows Server® 2008

You can now run Omnicast on Microsoft® Windows Server® 2008 Standard/Enterprise Edition 32-bit/64-bit.

SQL Server 2008

You can now use SQL Server 2008 Express/Standard/Enterprise for Omnicast databases.

Virtualization with VMWare

You can now deploy Omnicast in virtual machines on VMWare ESXi/ESX 3.5.

New languages

Omnicast 4.4 now supports three new languages. The languages supported in Omnicast 4.4 are:

- Portuguese (*new*)
- German (*new*)
- Slovak (*new*)
- Dutch
- Spanish
- Czech
- English
- French
- Italian
- Japanese

New Features for 4.3 GA

Support for Axis PTZ camera patterns

PTZ patterns are now supported for Axis cameras that have the Axis guard tour feature. Patterns are configured directly on the camera through its Web page and become available as PTZ patterns within Omnicast.

Software motion detection for Axis cameras

Software motion detection for MPEG-4 streams is now supported for ARTPEC-A type of Axis cameras that are currently supported by Omnicast.



OMNICAST

Enterprise Security Software IP Video Surveillance



Motion indicators now appear in the timeline of the Archive Player for Axis cameras performing unit motion detection.

Enhanced support for Barco Hydra plugin

Additional features are added to the Omnicast Barco Hydra plugin. Users are able to manage the displayed video on the Barco wall using a CCTV keyboard. CCTV keyboard commands are supported in Omnicast. The Barco Hydra plugin now supports the following features:

- Camera sequences drop
- Playback support
- Pelco 9760 keyboard support
- Stream and layout change

Pelco Extension

A new extension is now available in Omnicast for Pelco hardware. The Pelco extension adds support for several units.

- Pelco IP110
- Pelco IP3701
- Pelco SpectralV-IP
- Pelco Spectra Mini IP
- Pelco Net5301T

Panasonic Motion Detection

Motion detection for MPEG-4 streams is now supported for the following Panasonic cameras. An updated version of the firmware is necessary. See Panasonic video units section.

- WV-NF284
- WV-NP244
- WV-NS202A
- WV-NS954/NW964
- WV-NW484

Archive Retention Period

You can now set the maximum archive retention period for the Archiver to Unlimited from the Server Admin Archiver Options.

Documentation Improvements

Significant improvements are made to online help for Omnicast.

- The look and feel more closely resembles the PDF documentation.
- New glossary pop-ups are embedded throughout the online help system to improve understanding of the terminology while remaining in the context of the topic.



New Features for 4.2 GA

New documentation structure

The software installation and upgrade procedures have been pulled out of the Release Notes and put in a new document *Installation & Upgrade Guide*.

Hidden site

In the past, a user who has the ALWAYS VIEW ALL ENTITIES privilege can view all sites and all entities in the system (except the users and user groups). Starting from version 4.2, administrators can hide the existence of certain entities from those users by placing them under hidden sites. Users who are excluded from viewing the hidden sites will not be able to see any entity placed under them, regardless of the client application being used. See Config Tool- Site- Accepted Users- Hidden site on page 397 in the *Omnicast Administrator Guide*.

Newly supported hardware

The following unit types have been added to the long list of supported video units.

- Bosch Autodome IP 500i
- Canon VB-C50i / VB-C300 (generic extension)
- GE SymSafe
- Optelecom-NKF C-44 and S-44 (generic extension)
- Panasonic WV-NS954 / WV-NW964
- Sony SNC-DF50 / SNC-DF80
- Mango DSP X2 / M (generic extension)
- Phoenix IVS (generic extension)

Camera tampering detection

Omnicast 4.2 supports camera tampering detection performed by certain brands of unit, such as Axis. When a problem is suspected, a CAMERA TAMPERING event is generated for the concerned camera. This new event can then be used to search for video archives in the Archive Player. See Config Tool- Camera- Specific Settings on page 284.

Fully integrated Web access for Axis units

The WEB ACCESS window used to test the motion detection performed by Axis units is fully integrated to Omnicast 4.2. A separate login is no longer necessary. See Config Tool- Camera- Motion Detection- Testing motion through Web access on page 270.

Panasonic unit events supported

Events such as SIGNAL LOST and SIGNAL RECOVERED are now supported for Panasonic units. To learn how to configure the Archiver to receive these events, see Server Admin- Archiver Extension- Panasonic Extension on page 146.



NTBackup is no longer supported

Launching Windows NTBackup from Server Admin is no longer supported in 4.2. This impacts the configuration of the Archiver and the Auxiliary Archiver. It does not affect the restoration of backup sets previously created on tape. You still need to load them to disk before restoring their content with the Restore Archiver. Only the automatic copy of backup sets to tape via Windows NTBackup is no longer supported.

Independent synchronization of the Directory and Alarm databases

When synchronizing manually the databases on a secondary Directory server in the context of a failover configuration, you now have the option to synchronize the Directory database (DirectorySQL) and the Alarm database (AlarmSQL) independently of each other. See Config Tool- Directory Failover Coordinator- Statistics- Status on page 316.

Simplification of network connection types

The network connection type between CLIENT AND SERVER is now completely managed by the Gateway. This simplifies the configuration of the NETWORK properties for the following entities:

- Analog Monitor (Video Decoder)
- Camera (Video Encoder)
- Camera Sequence
- Microphone (Audio Encoder)
- Speaker (Audio Decoder)
- Virtual Camera

Seek when the end of recording is reached

A new option has been added to let the Live Viewer and the Archive Player seek automatically for new video recordings after the end of the recording is reached. This option is useful when the playback is only seconds behind the live video. It prevents the playback from stopping when the playback reaches the end of the recording before Omnicast has the time to write the new video to disk. See General Options in *Omnicast Live Viewer User Guide* and *Omnicast Archive Player User Guide*.

Full path in Archive Player entity description

You may now include the full path (hierarchy of site names) in the entity description of each playback tile of the Archive Player, just like the Live Viewer. See Visual Options in *Omnicast Archive Player User Guide*

New plugin

-  Southwest Microwave MicroPoint – perimeter fence protection integration plugin

Please read about it in the *Omnicast 4 Plugins User Guide*.

New languages

Omnicast 4.2 now supports two new languages. The languages supported in Omnicast 4.2 are:



OMNICAST

Enterprise Security Software IP Video Surveillance



- Dutch (*new*)
- Spanish (*new*)
- Czech
- English
- French
- Italian
- Japanese

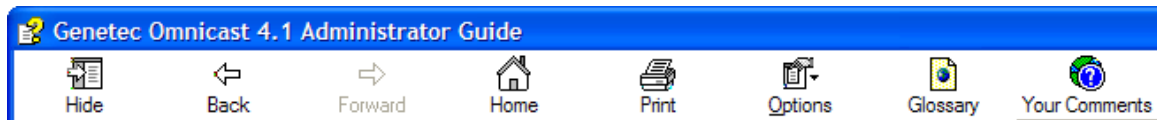
New Features for 4.1 GA

New documentation structure

The all-in-one comprehensive Omnicast user guide has been divided into three separate manuals:

- Omnicast Live Viewer User Guide (*complete new design*)
- Omnicast Archive Player User Guide (*complete new design*)
- Omnicast Administrator Guide

Note that the CHM version of all user manuals features two new shortcuts that will bring you directly to the “Glossary” and the “Your Comments” page respectively.



Shortcut buttons



Single installation package for all supported languages

There is no more a Standard and an International edition. All languages supported by Omnicast 4.1 are now available from the same InstallShield.

The languages supported in Omnicast 4.1 are:

- Czech (*new*)
- English
- French
- Italian
- Japanese

The appropriate documentations are now installed for the selected language when they are available.

New user privileges

New privileges have been added and old ones modified to give more flexibility and control to the administrator. See "User- Privileges" in [Omnicast Administrator Guide](#).

Config Tool Privileges

- View application connections (*new*)
 - View video connections (*new*)

Live Viewer Privileges

- Change display
 - Change tile content (*new*)
 - Change armed tile content (changed position in the hierarchy)
 - Arm/disarm tiles (changed position in the hierarchy)
 - Change tile pattern (changed position in the hierarchy)
 - Change layout selection (changed position in the hierarchy)
 - Edit/save layout configuration (changed position in the hierarchy)
- Record manually (moved from General Privileges)

General Privileges

- Add bookmarks (changed position in the hierarchy)
 - Edit bookmarks (*new*)
 - Delete bookmarks (*new*)
- Delete video files (*new*)

New hardware support

- Arecont MJPEG cameras
- GE Camplus IP cameras
- GE Megapixel cameras
- Panasonic MPEG-4/MJPEG cameras

Dynamic stream switching in Live Viewer

You may now select "Automatic" as the default viewing stream for the Live Viewer. See "Network Options" in *Omnicast Live Viewer User Guide*.



This new selection lets the Live Viewer make its own decision with respect to the video stream to display based on the size of the viewing tile. The idea behind this new feature is to use lower resolution streams when the tile is too small to show all the details, thus, saving on processing time and bandwidth. The Live Viewer is capable of adjusting dynamically the video stream when the user changes the size of the tile.

This new behavior is based on the use of three standard video streams defined for each video encoder:

- Low resolution (*new*)
- Live
- High resolution (*new*)

Ability to delete video files manually

Users can now delete video files manually. This feature is guarded by the new privilege "Delete video files". See "Video File Query" in *Omnicast Archive Player User Guide*.

Ability to edit and delete bookmarks

Bookmarks can now be edited and deleted from the Archive Player. These features are protected by the new privileges "Edit bookmarks" and "Delete bookmarks". See "Event Search Workflow" in *Omnicast Archive Player User Guide*.

Independent recording schedules for Auxiliary Archivers

Auxiliary Archivers can now follow their own recording schedule for each camera. This gives you the ability to record the same camera on different schedules with different video quality.

Backup for Auxiliary Archivers

Video archives created by Auxiliary Archivers now benefit from the same backup support as the ones created by Archivers.

Multiple addresses for Gateway multicast connection test

In order to avoid the congestion on a single multicast address during multicast connection tests, you can now assign a pool of multicast addresses for client transmissions for each Gateway.

IP filtering

This feature allows the Gateway to refuse all connection requests unless it is coming from a list of known IP addresses. It also allows the administrator to impose a connection type (multicast, unicast UDP) to selected clients. See "Server Admin-Gateway- IP Filtering" in the *Omnicast Administrator Guide*.

Independent unit discovery timeouts for each connection type

Archiver extensions can be configured to independent unit discovery timeouts for each unicast, multicast and broadcast. You may even turn off the periodic multicast and broadcast discovery messages to keep the network congestion low.



OMNICAST

Enterprise Security Software IP Video Surveillance



Retention period for restored backup sets

You can now define a retention period for the restored backup sets. After the period expires, the backup sets will automatically be deleted.

Ability to set the key frame interval below one second

You can either specify the key frame occurrence interval in seconds (like before), or in number of frames based on the frame rate (new to 4.1).



OMNICAST

Enterprise Security Software IP Video Surveillance



Supported Video Units

Units supported in Omnicast are listed below, divided into sections by their manufacturer. Mostly, these sections also correspond to the Archiver Extension the units use. Some manufacturers, such as GE, use several different extensions, but the units appear in the same section.

The Omnicast Generic Extension and GenericPlus Extension include units from multiple manufacturers.

Each section lists unit types, and the corresponding firmware that the extension supports.

NOTE: If no firmware is indicated for the unit, use the most recent firmware available for that unit.

One of three certification levels for each unit is also listed:

- **Certified:** The camera model has been tested and validated by Genetec.
- **Supported by design:** The camera model shares the same API of an existing certified camera, but has not been tested or validated by Genetec.
- **Tested by partner:** The camera model has been tested by the partner.

Limitations are then listed, which indicate Omnicast software capabilities not supported by either all of the extension's units, or some particular unit types which are specified.

Finally, unit restrictions are indicated, which indicate specific issues to do with the integration of the unit with Omnicast.



ACTi IP Cameras

ACTi firmware compatibility matrix

Unit Type	Firmware Version	Certification
ACM-4200	A1X-V3.09.14	Certified
ACM 7411	A1X-V3.09.14	Certified
CAM 5200/5220/5300/5320	2.06.8	Certified
CAM 65xx/66xx	2.06.12	Certified
CAM 7100/7120	2.06.8	Certified
CAM 7200/7220	2.06.8	Certified
CAM 7300/7320	2.06.8	Certified
SED 2120	2.08.07	Certified
SED 2140	2.06.8	Certified
SED 2420	2.02.7	Certified
SED 2610	2.06.12 / 2.02.7 Router	Certified

ACTi unit limitations

- Standby Archiver is not supported on multi-port units.
- Software motion detection is not supported.
- Unit motion detection is too sensitive when using small detection zones
- Audio is not supported.
- ACTi units are limited to two Archiver connections.
- WAN port must be used to connect the unit on the network.

ACTi unit restrictions

- VI15056 Video is pixilated when switching from UDP to multicast and vice versa.
- VI15965 ACTi IP cameras cannot stream PAL at 25 fps.
- 495 ACTi: Upgrading the F/W from the Config Tool does not always work.
- 1395 ACTi-CAM65xx/66xx: Some Dynacolor PTZ commands are not working (ex. Run a pattern).
- 1396 ACTi CAM65xx/66xx: Some Pelco D and Pelco P commands are not working (ex. Menu, Flip and Record patterns).
- 1397 Limitation: I/O are not supported for the CAM65xx/66xx
- 2648 Cannot add a unit to Omnicast if not using the default password.

Arecont Vision IP Cameras

Arecont firmware compatibility matrix

Unit Type	Firmware Version	Certification
AV1300	62704	Certified
AV1305	Use most recent version	Supported by design
AV1355	Use most recent version	Supported by design
AV2100	64327	Certified
AV2105	Use most recent version	Supported by design
AV2155	65123	Certified
AV3100	64327	Certified
AV3105	65123	Certified
AV3155	Use most recent version	Supported by design
AV3130	62819	Certified
AV5100	64327	Certified
AV5105	65123	Certified
AV5155	65130	Certified
AV8180/8360	62913	Certified
AV8185	65026	Certified
AV8365	65017	Certified

Arecont unit limitations

- Two video resolutions are supported: Full and Half resolution.
- Firmware upgrade is not supported from the Config Tool. To upgrade the firmware using the Arecont Firmware Loader, you must first make sure the unit is not currently streaming video. For this, you can remove the schedule on the camera.
- Multicast is not supported for MJPEG and H.264 streams. As a workaround, use multicast by Archiver.
- When using an H.264 stream:
 - Keyframe interval compression settings are not supported. They are set by the unit.
 - Digital PTZ is not supported.
 - The AV8185 and AV8365 units do not support Unicast TCP.

Arecont unit restrictions

- 1848 Arecont cameras do not accept non standard frame rate (ex. 22 fps will show up as 30 fps).
- 2178 AV5100: Still frame alarms are not working with 5 MP cameras.
- 13250 When using Arecont Panoramic units AV8365 and AV8185, the brightness settings you apply on channel 1 will be applied to all four channels unless you



OMNICAST

Enterprise Security Software IP Video Surveillance



clear the **Equalize Brightness** option. To do this, go to the unit's Web page and choose **Settings > Misc** then clear the **Equalize Brightness** option.

- 12664 When using an Arecont H.264 unit, you may experience frozen images and grey blocks in your video if you have a low frame rate setting and the **Always override video quality on manual recording** option enabled. This is due to a default setting of one I-frame for every 50 P-frames on Arecont units. As a workaround, you can try changing the interval setting on your unit. To do this, use the following URL: <http://<camera.ip>/setreg?page=3®=21&val=<value meant to replace the 50>>. For example, if your camera IP is 10.1.24.35 and you wanted to change the interval setting to five you would type: <http://10.1.24.35/setreg?page=3®=21&val=5>. Please note that if your camera model starts with an eight you need to replace the 21 with 100 (<http://10.1.24.35/setreg?page=3®=100&val=5>).

AutoVu Sharp Video Units

AutoVu Sharp firmware compatibility matrix

Unit Type	Firmware Version	Certified
AutoVu Sharp XGA 1.0	Use most recent version	Certified
AutoVu Sharp XGA 1.5	Use most recent version	Certified
AutoVu Sharp EX 1.0	Use most recent version	Certified
AutoVu Sharp EX 1.5	Use most recent version	Certified

NOTE: Omnicast 4.4 GA has been engineered to be compatible with the AutoVu 4.3 GA firmware.

AutoVu Sharp unit limitations

- Video quality settings are not supported for container streams.
- Motion detection is not supported for container streams.
- Only software motion detection is supported for context cameras.
- Firmware upgrade is not supported.
- Video attribute settings are not supported.
- Signal lost/recovered events are not supported.
- NOTE: Consult the AutoVu Sharp documentation for other limitations.

AutoVu Sharp unit restrictions

- 8907 The quality setting available from the Video quality settings for the context camera are not accurate since they indicate fps values that are not available. The maximum frame rate for the context camera is 2 or 5 fps, depending on the model, regardless of the quality that is selected.



OMNICAST

Enterprise Security Software IP Video Surveillance



AXIS Video Units

AXIS firmware compatibility matrix

Unit Type	Firmware Version	Certification
AXIS 205	4.05	Certified
AXIS 206	4.40.1	Certified
AXIS 206M	4.40.1	Certified
AXIS 206W	4.40	Certified
AXIS 207	4.40	Certified
AXIS 207W	4.44	Certified
AXIS 207MW	4.40.1	Certified
AXIS 209FD/209FD-R	4.44	Certified
AXIS 209MFD/209MFD-R	4.47	Certified
AXIS 210/210A	4.47	Certified
AXIS 211	4.40	Certified
AXIS 211A	4.47	Certified
AXIS 211M	4.41.1	Certified
AXIS 211W	4.40	Certified
AXIS 212/212-V	4.40.1	Certified
AXIS 213	4.35.1	Certified
AXIS 214	4.40	Certified
AXIS 215	4.40.1	Certified
AXIS 216FD	4.47	Certified
AXIS 216MFD	4.47	Certified
AXIS 221	4.45.1	Certified
AXIS 223M	4.45	Certified
AXIS 225FD	4.45.1	Certified
AXIS 231D/232D	4.41	Certified
AXIS 231D+/232D+	4.41	Certified
AXIS 233D	4.48	Certified
AXIS 240Q	4.40	Certified
AXIS 241Q	4.47.2	Certified
AXIS 241QA	4.47	Certified
AXIS 241S	4.47.2	Certified
AXIS 241SA	4.47	Certified
AXIS 243SA	4.45	Certified
AXIS 243Q	4.46	Certified
AXIS 247S	4.42	Certified
AXIS 292	4.41	Certified
AXIS M1011	5.00	Certified
AXIS M1011-W	5.00	Certified



Unit Type	Firmware Version	Certification
AXIS M1031-W	5.00	Certified
AXIS M3011	5.01	Certified
AXIS M7001	5.01	Certified
AXIS P1311	5.01	Certified
AXIS P3011	5.01	Certified
AXIS P3014	5.05	Certified
AXIS P3301/P3301-V	5.01	Certified
AXIS P3343	5.06	Certified
AXIS P3344	5.06	Certified
AXIS Q1755	5.02	Certified
AXIS Q7401	5.01	Certified
AXIS Q7404	5.02	Certified
AXIS Q7406	5.01	Certified

AXIS unit limitations

- The connection type between Axis cameras using H.264 and the Archiver is limited to unicast.
- Rotated video streams are not rotated in Motion Detection setup.
- The AXIS 292 decoder does not support camera sequences, playback streams, playback or still frame in alarms, and video stream redirection (i.e. no multiple-LAN support).
- Software motion detection is only supported for currently supported ARTPEC-A type units. The list of cameras that use ARTPEC chipset is provided at the following link: http://www.axis.com/techsup/cam_servers/dev/product_interface_guide.htm

AXIS unit restrictions

- VI09558 AXIS 241Q: At 4CIF the image becomes less clear when there is motion.
- VI09630 30 fps is not maintained on the AXIS 241 when using MPEG-4 stream at a resolution other than CIF and performing unit motion detection at the same time.
- VI10103 When streaming both MJPEG and MPEG-4 on the AXIS 241Q, the MPEG-4 stops streaming. It is recommended to either use only the MJPEG or MPEG-4 encoder but not both at the same time.
- VI10485 AXIS 241Q blade loses its IP after one to two weeks of activity on the unit.
- VI12355 Digital Input pins on AXIS 225FD, 241QA and AXIS 221 are not working.
- VI15039 The PTZ Up/Down commands do not always work on the AXIS 214 unit.
- VI15526 AXIS292 decoder is not automatically reconnected after an Archiver failover.
- 731 Audio does not work in multicast for Axis 212.
- 6579 Axis 233D: The pattern function stops working in cases where an empty pattern is playing. As a workaround, reboot the unit to start playing patterns.



OMNICAST

Enterprise Security Software IP Video Surveillance



Bosch Video Units

Bosch firmware compatibility matrix

Unit Type	Firmware Version	Certification	Extension
VideoJet 10 Decoder	2.11 build 0	Certified	Bosch
VideoJet 10 Encoder	2.11 build 0	Certified	Bosch
VideoJet 8000 Encoder	Use most recent version	Certified	Bosch
VJ8004/VJ8008	1.53 build 22	Certified	Bosch
VIP10 Decoder	2.10 build 16	Certified	Bosch
VIP10 Encoder	2.10 build 16	Certified	Bosch
VIP1000 Decoder	Use most recent version	Certified	Bosch
VIP1000 Encoder	Use most recent version	Certified	Bosch
VIP X1	2.51 build 08	Certified	Bosch
VIP X2	2.51 build 08	Certified	Bosch
VIP XD	Use most recent version	Certified	Bosch
VIP X1600	3.52 build 08	Certified	Bosch
VideoJet X10/X20/X40	3.52 build 15	Certified	Bosch
Dinion IP NWC-0495	3.52 build 8	Certified	Bosch
Dinion IP NWC-0495	3.52 build 8	Certified	Bosch
Flexidome IP NWD-0455	3.52	Certified	Bosch
Flexidome IP NWD-0495	3.51	Certified	Bosch
Autodome 100/200/300 IP	3.50 build 08	Certified	Bosch
Autodome 500i	3.50 build 08	Certified	Bosch
EX36	08500352	Certified	Generic
EX7	Use most recent version	Supported by design	Generic
EX30	Use most recent version	Supported by design	Generic
EX80	Use most recent version	Supported by design	Generic
EX82	Use most recent version	Supported by design	Generic



Bosch unit limitations (Bosch extension)

- If you want to configure video analytics on your unit, a valid license must be installed and ActiveX is required. It is also recommended to install the latest version of the Bosch Configuration Manager.
- If you change the video analytics rules for your unit, you must restart it.

Bosch unit limitations (Generic extension)

- Not compatible with Omnicast versions *earlier* than 4.4.
- You cannot change the JPEG image size in Omnicast. To change the default image, you'll need to modify the Bosch (JPEG) CAM file.

NOTE Modifying the CAM file does not affect existing cameras in Omnicast. Only the cameras that are added after installing this release are affected by the modification.

To change the JPEG image size for Bosch cameras:

- 1 Open the Bosch CAM file, located in Client\Common\DVR Software 4.4\Extensions\Cam Files.
- 2 Specify the JPEG <image size> on the following line:
<JpegURLs>snap.jpg?JpegSize=<image size>&&JpegCam=1 </JpegURLs>

The default JPEG image size is set to XL.

You can specify the following sizes:

JpegSize=	Description	Dimension in Pixels
S	Small (QCIF)	176 x 144
M	Medium (CIF)	352 X 288
XL	Extra Large (4CIF)	704 x 576

For a list of Generic extension unit limitations, see “**Error! Reference source not found.**” on page 54.

Bosch unit restrictions (Bosch extension)

- VI06555 Audio sensitivity settings are not supported.
- VI06633 There is no onscreen display for the VideoJet 10 decoder.
- VI06660 Video playback at 2x, 4x is not fully operational on a decoder.
- VI09161 Bosch decoder sometimes freezes when displaying alarms using Salvo display mode.
- VI10109 VIP 1000 decoder could freeze after playing back an MPEG-2 or MPEG-4 video sequence.
- VI12239 No onscreen display available for the VIP XD for both live and playback video.
- 445 Limitation: The MIC doesn't work on Bosch VIPX units. The workaround is to use the line in setting instead.



OMNICAST

Enterprise Security Software IP Video Surveillance



- 531 Limitation: VIPXD: video not shown correctly for playback and still alarms.
- 1298 Bosch VJ10/VIP10/VIP1000 software motion detection may not work correctly using 2CIF, 4CIF or "All Lines" resolutions.
- 2013 Limitation: Bosch VIP X1600: Cannot change video configuration when recording on unit is enabled.
- 4738 Only one input pin is available on the Bosch Autodome series instead of 4 inputs and 4 outputs.

Bosch unit restrictions (Generic extension)

- 13747 When there is rapid movement in front of the camera, the video stream stops temporarily in the Config Tool viewer (Live video dialog) and in the Live Viewer.

GE Video Units

GE firmware compatibility matrix

Unit Type	Firmware Version	Certification
DVMRe CT	5.67	Certified
DVMRe CT II	6.29	Certified
StoreSafePro	5.71	Certified
StoreSafePro II	6.02	Certified
GE CamPlus IP	2.07.04	Certified
GEC-IP2B	1.00E2	Certified
GEC-IP2D	1.00E2	Certified
GEC-IP2VD	1.00E2	Certified
GEC-IP2VD-DN	1.00E2	Certified
GE Megapixel	62819	Certified
Legend IP	3.60	Certified
SymDec1 (VSR1)	1.48a	Certified
SymDec4 (VSR4)	1.48a	Certified
SymDec16 (VSR16)	1.46r	Certified
SymNet	2.00f	Certified
SymSafe 4/8/16	1.24b	Certified
SymSafe Pro 4/8/16	1.24b	Certified
SymVeo	1.47e	Certified

GE unit limitations

- Playback on decoder is not supported.
- Standby Archiver is not supported on units supporting edge recording.
- GE Camplus IP: unit motion detection can be too sensitive when using small detection zones.
- GE CamPlus IP: WAN port must be used to connect the unit on the network.
- Audio IN only is supported on SymDec, SymSafe and SymSafe Pro units.
- The number of playback streams is limited to 15 for SymDec16, SymSafe16 and SymSafe Pro 16 units.

GE unit restrictions

- VI15814 GE VSR4 unit reboots when it is discovered for the first time.
- VI16606 GE: "Signal lost" and "Signal recovered" events are not sent by the unit.
- 1258 GE SymDec16, SymSafe and SymSafe Pro: The timeline is sometimes inaccurate when the playback is coming from the unit.



OMNICAST

Enterprise Security Software IP Video Surveillance



- 1291 GE SymDec16, SymSafe and SymSafe Pro: Video attributes settings are not applied correctly.
- 1319 GE SymDec16, SymSafe and SymSafe Pro: Unit motion detection is very sensitive.
- 1322 After changing SymNet from encoder to decoder (or vice-versa), it will need to be rediscovered by all Archivers in a failover setup.
- 1389 CIF: video frames are dropped or not displayed at regular intervals.
- 1894 Video export with audio in ASF with GE MPEG-4 units is not supported.
- 2939 Input pin events are not triggered on SymDec16, SymSafe and SymSafe Pro units
- 3091 SymDec4 inputs 2, 3 and 4 do not send a notification event when they are closed.
- 6814 GE SymDec 16, Only one serial port is shown in Omnicast.
- 2505 GE SymSafe: Running a motion search from the Archive Player that takes a long time to process can cause the camera to go offline and/or video stream requests to go unanswered.
- 15489 Multicast transmission does not work with SymNet and DVMRe units. Units must be configured in Unicast in order to receive video in Omnicast.



OMNICAST

Enterprise Security Software IP Video Surveillance



IQinVision Video Units

IQinVision firmware compatibility matrix

Unit Type	Firmware Version	Certification
IQ811/IQ851	V3.0/2	Certified
IQ802/IQ852	V3.0/2	Certified
IQ803/IQ853	V3.0/2	Certified
IQ805/IQ855	V3.0/2	Certified
IQ711/IQ751	Use most recent version	Supported by design
IQ702/IQ752	Use most recent version	Supported by design
IQ703/IQ753	Use most recent version	Supported by design
IQ705/IQ755	Use most recent version	Supported by design
IQ040S	V3.0/9	Certified
IQ041S	V3.0/9	Certified
IQ042S	V3.0/9	Certified
IQD40S	V3.0/9	Certified
IQD41S	V3.0/9	Certified
IQD42S	V3.0/6(090427)	Certified
IQ540SI	V2.8/6	Certified
IQ541SI	V2.8/6	Certified
IQ542SI	V2.8/6	Certified
IQ510	V2.8/6	Supported by design
IQ511	V2.8/6	Supported by design
IQA10	V3.0/2	Supported by design
IQA11	V3.0/2	Supported by design
IQA12	V3.0/2	Supported by design
IQA13	V3.0/2	Supported by design
IQA15	V3.0/2	Supported by design
IQA20	V3.0/2	Certified
IQA21	V3.0/2	Certified
IQA22	V3.0/2	Certified
IQA23	V3.0/2	Certified
IQA25	V3.0/2	Certified

IQinVision unit limitations

- IQinVision does not support the insertion of keyframes on-demand for H.264 video streams. Therefore, when viewing live H.264 video and H.264 camera sequences, your video may take more time to appear. To minimize this issue, set the keyframe interval of the stream to a low value in Omnicast.
- Input pins: IQinVision units support I/O notification events for either 'on close' or 'on open'. You can choose which event will be active using the Config Tool.



OMNICAST

Enterprise Security Software IP Video Surveillance



- Virtual camera zone definition must be created using the unit's Web page. When you change a zone, the video stream must be restarted by either rebooting the unit or changing the stream quality.
- The Pro-line cameras cannot have their HTTP port discovered.
- For units that support downsampling, the maximum ratio that can be used is eight.

IQinVision unit restrictions

None.



JVC Video Units

JVC firmware compatibility matrix

Unit Type	Firmware Version	Certification	Archiver Extension
VN- V25U	2.00	Certified	GenericPlus
VN-V225VPU	1.00	Certified	GenericPlus
VN-225U	1.01	Certified	GenericPlus
VN-V26U	2.00	Certified	GenericPlus
VN-V685U	IP = 2.00 SM = 3.00 PTZ= 2.00	Certified	GenericPlus
VN-V686BU	IP = 2.00 SM = 3.00 PTZ=2.00	Certified	GenericPlus
VN-V686WPBU	IP = 2.00 SM = 3.00	Certified	GenericPlus
VN-X35U	1.02	Certified	GenericPlus
VN-X235U/ VPU	1.01a	Certified	GenericPlus

JVC unit limitations

- You cannot set the HTTP port and IP address settings at the same time.
To change both the HTTP port and the IP settings:
 - In the unit's **Network Settings** tab, specify the **HTTP port**, and click **Reboot**.
 - Change the IP settings, and click **Reboot**.
- The JVC Megapixel camera MJPEG and MPEG-4 video stream settings are incompatible when one stream is set to 640x480 and the other to 320x240. For example, if the MJPEG video stream is set to 640x480 and the MPEG-4 video stream is set to 320x240, then an "Invalid configuration in unit" event notification is sent.
- The valid range for the frame rate setting is 1 to 255 images. If you move the frame rate slider above 255, the value will be set to 255 on the unit.
- MJPEG multicast streaming is not supported. The Archiver is capable of redirecting the unicast stream in multicast.

JVC unit restrictions

- 14144 Motion detection in MPEG-4 is not supported.
- 14003 When adding the unit on a Failover Archiver, the Video quality settings will temporarily switch to the default settings.
- 14074 When setting the brightness value to a very low value (for example, -80, -100), the video stream brightness will fluctuate between completely black to normal clear.
- 14085 On JVC VN-685U units, a PTZ preset cannot be saved when using the unit's digital zoom. When you zoom to the maximum Optical zoom value, the PTZ stops. When you press the Zoom button, the digital zoom functionality is



OMNICAST

Enterprise Security Software IP Video Surveillance



GENETEC

activated. When digital zoom is activated in this way the preset will not be saved.

14105 JVC: Export to ASF changes the resolution to 320x240.



OMNICAST



March Networks Video Units

March Networks firmware compatibility matrix

Unit Type	Firmware Version	Certification	Extension
CamPX H	1.1.1	Certified	Genetec
Cam PH D	1.1.1	Certified	Genetec
MicroDome	1.1.1.	Certified	Genetec
Edge 4	1.1.2	Certified	Genetec

March Networks unit limitations

None.

March Networks unit restrictions

- 14484 Archiver restarts when you simultaneously disconnect four or more cameras.
- 15437 When using the MPEG-4 and H.264 format, the 2cif resolution does not display correctly.

Optelecom–NKF Video Units

Optelecom–NKF firmware compatibility matrix

Unit Type	Firmware Version	Certification	Extension
C-50	2.0.1	Certified	Optelecom
S-50	2.0.1	Supported by design	Optelecom
C-54	2.0.4	Supported by design	Optelecom
S-54	2.0.4	Supported by design	Optelecom
V-30	2.0.1	Supported by design	Optelecom
FD-22	080828	Certified	Generic
BC-20	080828VP	Certified	Generic
BC-22	080828P	Certified	Generic
BC-24	080108P	Certified	Generic
C-40	1.1.18	Certified	GenericPlus
S-44	1.2.4	Certified	GenericPlus
C-44	1.1.1.alpha.3	Certified	GenericPlus

Optelecom–NKF unit limitations (Optelecom extension)

- Only unit motion detection is supported.
- Audio is not supported.
- Input and output pins are not supported.
- TCP server setting must be enabled in the Optelecom–NKF S-50 unit web interface to use analog PTZ control over the RS-485/422 or RS-232 serial port.
- Firmware upgrade is not supported.

Optelecom–NKF unit limitations (Generic extension)

- Supports unicast streaming only.
- For a list of Generic extension unit limitations, see “Omnicast Generic extension Unit Limitations” on page 54.

Optelecom–NKF unit restrictions (GenericPlus extension)

14144 Motion detection in MPEG-4 is not supported



OMNICAST

Enterprise Security Software IP Video Surveillance



OTN Video Units

OTN firmware compatibility matrix

Unit Type	Firmware Version	Certification	Extension
OTN Blade card encoder	2.0.112	Certified	Genetec

OTN unit limitations

None.

OTN unit restrictions

None.

Panasonic Video Units

Panasonic firmware compatibility matrix

Unit Type	Firmware Version	Certification	Extension
WJ-NT304/DG-NT304	1.03	Certified	Panasonic
WJ-NT314	V1.2	Certified	Panasonic
WV-NF284/DG-NF282	1.10E7	Certified	Panasonic
WV-NF302/DG-NF302	1.10EA	Supported by design	Panasonic
WV-NP244/DG-NP244/RP-NP244	1.30E7	Certified	Panasonic
WV-NP304/DG-NP304	1.30E5	Supported by design	Panasonic
WV-NP1004/DG-NP1004/RP-NP1004	1.21P0	Supported by design	Panasonic
WV-NP1000/DG-NP1000/RP-NP1000	1.21P0	Supported by design	Panasonic
WV-NS202(A)/DG-NS202(A)	1.11P2	Certified	Panasonic
WV-NS954/DG-NS950	1.50	Certified	Panasonic
WV-NW484S/DG-NW484	1.10ED	Certified	Panasonic
WV-NW964/WV-NW960/DG-NW960	1.10EB	Certified	Panasonic
Panasonic WV-NP502	1.02	Certified	Generic
Panasonic WV-NW502S	Use most recent version	Supported by design	Generic

Panasonic unit limitations

- Panasonic audio is half-duplex.
- MPEG-4 software motion detection is not supported on all units.
- MJPEG stream drops to 5 fps when MPEG-4 stream is activated.
- When using the WJ-NT314 encoder for edge analytics, the unit needs to be configured with its Web page and the detection needs to be active on the channels being used.
- H.264 and MPEG-4 streams cannot be used at the same time on the WV-NP502 or NW502S unit. They must be configured with the unit's Web page;
 - To use an H.264 stream, set the **Video encoding format** to **H.264** and the **Internet mode (over HTTP)** setting to **On**.
 - To use and MPEG-4 stream, set the **Video encoding format** to **MPEG-4** and the **Internet mode (over HTTP)** setting to **On**.



I/O limitations

Input and output pins are supported for all Panasonic units.

You cannot configure I/O pins for units through the Panasonic unit's API. For units that do not have a hardwired pin configuration, Omnicast enforces the following scheme:

Model Family	Pin #	Panasonic Description	Omnicast Pin Configuration
NS202 NS954 NW964	1	Alarm in	IN
	2	Alarm in/Alarm out	OUT
	3	Alarm in/Auxiliary out	IN
	4	Ground	Ground

Additional I/O information:

- Output pins: Omnicast can control output pins on Panasonic units — the output pin can be set, and then will persist, either its default state or the opposite of its default state.
- Some Panasonic units have additional types of pins besides input and output pins, such as auxiliary out pins. These are not supported.

Panasonic unit restrictions

- 2046 The values for Gateway and subnet mask displayed in the Config Tool for Panasonic units do not correspond to their real values.
- 3002 When adding a Panasonic on a secondary Archiver, or each time the secondary Archiver discovers the unit (this happens after the service reboots), the MJPEG video stream stops for 10 seconds.
- 3296 Unit could stop responding if there is too much multicast traffic on the network
- 5574 Changing the video quality settings while the unit is recording the audio stream makes the unit fall offline for a couple of seconds.
- 6653 Panasonic WV-NS954/NW964: Motion detection stops working for 10 seconds after controlling the PTZ.
- 4770 Panasonic NM-964 PTZ: Camera goes offline when the bit rate is set at 64 Kbps.
- 8791 Panasonic NT304: Four cameras will always appear in Omnicast when adding the unit regardless of whether any have been disabled via the unit's own webpage.
- 6182 For some unit and firmware combinations, software motion detection does not analyze the bottom part (approx. 10%) of the video image. This only occurs when using detection zones for the motion detection type. When using full screen, the whole video image is analyzed.
- 6637 The motion sensitivity button is not enabled for MPEG-4.
- 6660 When switching from one camera to another by means of a preset, the video image displayed does not transition smoothly: the image is switched prematurely, then it freezes as the camera moves to the preset position, then resumes once the position is reached.



Pelco Video Units

Pelco firmware compatibility matrix

Unit Type	Firmware Version	Certification
IP110	01.00.0042	Certified
IP3701	01.00.0021	Certified
Sarix IXS0	1.3.7	Certified
Sarix IX10	1.3.7	Certified
Sarix IXE20	1.3.7	Certified
Sarix IX30	1.3.7	Certified
Sarix IDS0	1.3.7	Supported by design
Sarix ID10	1.3.7	Supported by design
Sarix IDE20	1.3.7	Supported by design
Sarix ID30	1.3.7	Supported by design
Spectra IV-IP	1.3.7	Certified
Spectra Mini-IP	1.3.7	Certified
NET5301T	01.03.1054	Certified

Pelco unit limitations

- Use the Specific Settings tab in the Config Tool to enable PTZ and configure the serial port for Pelco NET5301T. No serial port entity is created.
- Multi-streaming is not supported.
- Audio is not supported.
- Unit motion detection is not supported.
- Signal lost/recovered events are not supported.
- Network settings are not supported.
- Firmware upgrade is not supported.
- For best results when using H.264 motion detection, it is recommended that you disable all automatic image adjustments on the unit's Web page.

Pelco unit restrictions

- 6295 Specific PTZ commands do not work with NET5301T.
- 14796 When working with an H.264 stream on a Pelco IXE20 unit, motion events may not be triggered properly. To fix this problem, save your custom video stream configuration settings using the unit's Web page.



OMNICAST

Enterprise Security Software IP Video Surveillance



Siemens Equipment

Siemens firmware compatibility matrix

Unit Type	Firmware Version
SIEMENS EQUIPMENT IS NOT SUPPORTED IN OMNICAST 4.5	



SONY IP Cameras

SONY firmware compatibility matrix

Unit Type	Firmware Version	Certification
SNC-CM120	1.03	Certified
SNC-CS3	1.04	Certified
SNC-CS10	1.06	Certified
SNC-CS11	1.06	Certified
SNC-CS20	1.02	Certified
SNC-CS50	1.13	Certified
SNC-DF40/DF70	1.02	Certified
SNC-DF85	1.12	Certified
SNC-DM110	1.02	Certified
SNC-DM160	1.02	Certified
SNC-DS10	1.02	Certified
SNC-DS60	1.02	Certified
SNC-DF50/DF80	1.05	Certified
SNC-P1/P5	1.22	Certified
SNC-RX530/RX550/ RX570	3.10/2.31	Certified
SNC-Z20	1.06	Certified
SNC-RZ25	1.23	Certified
SNC-RZ30	2.13	Certified
SNC-RZ50	1.13	Certified

SONY unit limitations

- Only Generation 2 units support unit motion detection in MPEG-4, such as SNC-P1, SNC-RZ25, and SNC-DF40.
- Automatic unit discovery is not supported on any SONY unit.
- Signal lost and recovered events are not supported on any SONY unit.
- Audio IN is only supported in Unicast for Generation 2 and Generation 3 units.
- The following first generation units do not support input pins: SNC-RZ30N, SNC-RZ30P, SNC-Z20N, and SNC-Z20P.
- In order for the output pins to work, certain units such as the SNC-RZ25N may need to be rebooted after being added to Omnicast.
- When using a Sony unit for edge analytics:
 - No events are received if the unit's Web page is open.
 - Configuring your unit will trigger a reboot.
 - Sony third generation units have built-in Unattended Object Motion and Moving Object Detection.



OMNICAST

Enterprise Security Software IP Video Surveillance



- Sony fourth generation units have built-in Moving Object detection only.

SONY unit restrictions

- VI10711 RZ-25 PTZ control has some delays.
- VI10860 Frame rate will drop while using PTZ control for SNC-RZ25 and SNC-RZ30.
- VI13669 Only multicast by Archiver is supported for the RZ-25 model.
- 448 The Sony SNC-CS50N unit is lost when changing the video data format from MJPEG (unicast TCP) to MPEG4 (unicast UDP or multicast).
- 536 Sony: RZ-50 and CS-50 units are lost when switching from multicast to unicast. Workaround: set the unit to Multicast only or Unicast only.
- 13315 If you upgrade the original firmware version (1.05) on a Sony SNC-DF50N unit, H.264 software motion detection may not work (13315).



OMNICAST

Teleste MPX-E8 Encoder

Teleste compatibility matrix

Unit Type	Firmware Version	Certification	Extension
Teleste MPX-E8	4.3.12	Certified	Generic

Teleste unit limitations

- Only unicast streaming is supported between the unit and Omnicast.
- Only MPEG4 stream supported.
- Uses only eight of the available 16 streams (the first two streams of each of the four DSP processing units).
- Video configuration restricted by the processing unit resource limitations, which are monitored by the unit configuration tool.

Teleste unit restrictions

None.



OMNICAST

Enterprise Security Software IP Video Surveillance



Verint Video Units

Verint firmware compatibility matrix

Unit Type	Firmware Version	Certification
S1000W	2.30j build 112	Certified
S1100W	3.62 build 235	Certified
S1500e ¹	3.60n build 498	Certified
S1500e-R ²	3.60n build 498	Certified
S1500e(P1702) ³	4.20k build 500	Certified
S1500-T4	2.30a build 79	Certified
S1502e	3.60n build 498	Certified
S1504e	3.60e build 256	Certified
S1504e-R	4.22c build 27	Certified
S1508e	3.60e build 256	Certified
S1700e	4.00o build 408 ⁴	Certified
S1704e	4.60k build 553	Certified
S1708e	5.00e build 808	Certified
S1712e	4.60v build 553	Certified
S1724e	4.60v build 553	Certified
S1950e	4.80s build 700	Certified
S1970e	4.80s build 700	Certified
S1970e-R	4.80s build 700	Certified
S2500 IP	4.00f build 408	Certified
S2600/S2610	4.40l build 600	Certified
S2700	4.40h build 600	Certified
S3100	3.62- build 237	Certified
S4200	Use most recent version	Supported by design
S4300	Use most recent version	Supported by design

Verint unit restrictions

- VI09338 Changing the resolution of the S1000W takes effect after the unit reboots.
- VI09350 The hue settings do not work correctly for PAL cameras.
- VI09852 Video cannot be displayed on more than one output of a 1504Rx.
- VI09911 The video encoder numbering is incorrect for S1504 in the CLI.

¹ If you have a S1500e unit with 3.xx series firmware, you cannot upgrade to 4.xx series firmware.

² If you have a S1500e unit with 3.xx series firmware, you cannot upgrade to 4.xx series firmware.

³ If you have a S1500e unit with 4.xx series firmware, you cannot downgrade to 3.xx series firmware.

⁴ Downgraded from 4.22b build 32.



OMNICAST

Enterprise Security Software IP Video Surveillance



- VI10237 The frame rate is not preserved when changing the analog format from PAL to NTSC.
- VI12936 When dragging a live video over a Playback sequence on a decoder, the live video is not displayed correctly.
- VI13273 S1500 or S1502 may reboot when using a low frame rate with the default bit rate (25 kbps) while there is a lot of motion events being triggered. The workaround is to increase the bit rate to 50 kbps or higher or to reduce the image quality from 6 to 1.
- VI13902 Rediscovering a Verint unit will cause it to go offline twice before it is rediscovered correctly with all its associated entities.
- VI14558 With the S1950/70, S1708/S1712/S1724, software motion detection does not work when using MPEG-4 ISO with the firmware listed in the compatibility matrix.
- VI15562 With the S1704, S1708, S1712, S1724, S1950 and S1970, you cannot perform a firmware upgrade directly from Omnicast. The workaround is to use the corresponding SConfigurator for upgrading the firmware.



OMNICAST

Enterprise Security Software IP Video Surveillance



Vivotek IP Cameras

Vivotek firmware compatibility matrix

Unit Type	Firmware Version	Certification
FD6111V/FD6121V/FD6112V/FD6122V	0101a	Certified
IP6112/IP6122	0102c	Certified
PZ6112/PZ6122	0102j	Certified

Vivotek unit limitations

- Audio is not supported.
- Only MPEG-4 streams are supported.
- Input and output pins are not supported.

Vivotek unit restrictions

None.



OMNICAST

Enterprise Security Software IP Video Surveillance



Omnicast Generic Extension

Omnicast Generic Extension matrix

Unit Type	Compression format	Firmware Version*	Certification
AXIS 21xx	MJPEG	Use most recent version	Certified
Canon VB-C50i	JPEG	Use most recent version	Certified
Canon VB-C300	JPEG	Use most recent version	Certified
EUKLIS KLIS 360-5M	MJPEG	R6340	Certified
Impath Networks i5110-E	MJPEG/ MPEG-4/H.264	Use most recent version	Supported by design
ioimage WDC100dn	MPEG-4	Use most recent version	Tested by partner
ioimage TRK1	MPEG-4	Use most recent version	Tested by partner
ioimage TRK100	MPEG-4	Use most recent version	Tested by partner
Lumenera Le375C-DN	MJPEG	Use most recent version	Certified
Lumenera Li045C-DN	MJPEG	Use most recent version	Certified
Lumenera Le075/165/175/275/ 375/575	MJPEG	Use most recent version	Certified
Lumenera Le045/Li045/Li165/ Li175	MJPEG	Use most recent version	Certified
Lumenera Li165C/ Li175C (DN)	MJPEG	Use most recent version	Certified
Lumenera Le259	MJPEG	Use most recent version	Certified
Lumenera	MJPEG	Use most recent	Certified



Le045C/075C/165C/175C (DN)		version	
Lumenera Le275C/375C/575C (DN)	MJPEG	Use most recent version	Certified
Mango Condor VS-8	MJPEG/MPEG-4 or H.264	Use most recent version	Supported by design
Mango Condor VS-16	MJPEG/MPEG-4	Use most recent version	Supported by design
Mango DSP Raven-X2	MPEG4/H.264/MJPEG	3.0.0.5	Certified
Mango DSP Raven-M	MPEG-4/H.264/MJPEG	3.0.0.5	Certified
Robotix M10	MJPEG	Use most recent version	Certified
Panasonic WV-NM100	MJPEG	Use most recent version	Certified
Panasonic BB-HCM515	MJPEG	Use most recent version	Certified
Phoenix IVS IVM Rugged Ethernet R2	MPEG-4/H.264	2.1.3.5	Certified
Sony SNTV704	MJPEG	Use most recent version	Certified
Toshiba IK-WB12	MJPEG	Use most recent version	Certified
Toshiba IK-WB15A	MJPEG	Use most recent version	Certified
Toshiba IK-WB21A	MJPEG	Use most recent version	Certified
Vivotek PT7135/TP7137	MPEG-4	Use most recent version	Certified

Omnicast Generic Extension unit limitations

- Software Motion Detection is supported for MJPEG units only.
- Audio is not supported.
- Firmware upgrade is not supported.
- Input and output pins are not supported.
- Video attributes are not supported.
- Multi-stream is not supported.



OMNICAST

Enterprise Security Software IP Video Surveillance



- Video configuration is not supported.
- Serial ports are not supported.

Omnicast Generic Extension unit restrictions

- | | |
|-------|--|
| 3622 | Vivotek 7135/7137: After upgrading to Omnicast 4.2, the configuration will need to be updated using the Reload button in the Config Tool. |
| 4871 | Toshiba IKWB15A: If the unit is discovered with the wrong username/password, the video will show waiting for signal. Solution is to remove the unit from the Archiver and add it again with the right credentials. |
| 5263 | Mango DSP: The second input of the unit is not supported. |
| 13532 | Euklis KLIS 360-5M: The frame rate for Motion JPEG (MJPEG) is less than 10 fps. |



Addressed Issues

Issues from 4.4 SR1 addressed in 4.5 GA

- 10033 The Archiver hosting the unit that a CCTV keyboard is attached to (through the serial port), and the Virtual Matrix the CCTV keyboard uses, must both connect to a Gateway that is directly connected to the Directory. The CCTV keyboard will not work if either of the entities it uses, the Archiver or VM, is connected to a Gateway connected to another Gateway which in turn accesses the Directory (this is referred to as a Reverse Gateway).
- 7488 If you apply rotation to an image when using motion detection in MPEG-4. The Web access button in the Config Tool will display the wrong information.
- 11912 With certain Panasonic units, the Archiver is redirecting video even though it's supposed to be multicast.
- 13101 Config Tool does not allow PTZ numbers higher than 32 for Pelco-D protocol.
- 3946 The default discovery and command ports are wrong for the GE CamPlus IP extension.
- 6160 Input pin not working for Bosch Autodome IP fourth generation cameras.
- 13569 Alarm history window does not sort properly in the Config Tool and Archive Player.
- 9992 Digital Zoom is lost after less than a minute of inactivity on Bosch units using the MPEG-4 4cif format.
- 9822 Remote Map Editor user will get a login error when the "Use Windows credentials" option is checked.
- 12863 When using AXIS Q7406/Q7401 units, H.264 and unit motion detection search does not work in the Archive Player.
- 12777 **Video data format setting** may go blank in Config Tool, causing numerous "Invalid configuration in unit" error messages.
- 11794 PTZ stopped event does not trigger "Run Pattern" and "Go to Preset" actions on Pelco Spectra IV-IP and Spectra Mini-IP units.
- 11255 If you specify a remote SQL server when installing the Report Viewer, the installation will fail.
- 13963 Axis 292 decoder does not decode video properly.
- 14467 When using the Axis 240Q video server, motion detection windows are not created on 3 out of 4 cameras.
- 14534 Barco Transform A (Argus) Plugin does not refresh cameras/snapshots if more than 3 encoders/cameras are offline.
- 13082 When converting G64 files to ASF files with audio in the Archive Player, the audio is out of sync.
- 14739 PTZ speed increases too quickly on Pelco SpectraIV IP unit.



- 14673 When using a fourth generation Sony camera, the **Automatic** option to view streams is not working in the Live Viewer.
- 12669 When using the MicroPoint Plugin, certain events are present but never fired.
- 12826 Software motion detection is disabled when using RTSP MJPEG streaming.
- 12806 When decoded, the Optelecom-NKF BC-2x and FD-2x MJPEG is pixilated.
- 13533 Motion detection in MJPEG and MPEG-4 is not supported.
- 14607 Genetec Protocol (March Networks units). H264 or MPEG-4 video playback distorted when you use the Forward, the Rewind, or the Go to Previous Key Frame buttons.
- 14646 Genetec Protocol (March Networks units). Camera video stream becomes unavailable when changing video data format.
- 14650 Genetec Protocol (March Networks units). When streaming MPEG-4, changing the bit rate to a value not supported by the unit is not applied to the video stream.
- 14654 Genetec Protocol (March Networks units). NTSC and PAL option are unavailable.

Issues from 4.4 GA addressed in 4.4 SR1

- 10538 PTZ motor properties are unavailable. You must delete the entity and recreate it in order to change the parameters.
- 10726 It should not be possible to override the hard-wired PTZ associated with some cameras (GE Legend, ACTi Domes, etc). While attempting this operation, the error message does not tell what you are doing wrong.
- 10777 The Kalatel keyboard stops working once the unit it is connected to reboots. The workaround was to delete and recreate the Keyboard entity.
The new workaround is to simply change the Camera ID on the keyboard to reconnect it to the Live Viewer.
- 10792 Archiver reboots under some circumstances when doing unit playback with GE units.
- 11095 Switching between viewer layouts in the Live Viewer takes too much time.
- 11097 The iris control increment step is too big on Axis cameras, making it very hard to adjust.
- 11140 Axis 292 decoder cannot display a camera that is behind a NAT.
- 11183 Axis Q7401 serial port cannot be configured by the Archiver. The port indexes are 1-based, not 0-based.
- 11409 Key frame not decoded properly on LV and Bosch decoder, causing blocks to appear in the image.



Issues from 4.3 GA addressed in 4.4 GA

- 6498 A user without rights to configure units can still upgrade a unit's firmware.
- 7545 On a Vista SP1 machine the installation of Omnicast Server fails when the Web Applications option is selected in a customized installation.
- 7672 After an installation, the Remote Live Viewer and the Barco Wall plugins are not available as a result of a wrong value in the registry. As a workaround, change the registry value to OmnicastClientplugins4.3.

Issues from 4.2 GA addressed in 4.3 GA

- 592 Federating audio sources located behind a NAT is not supported with 3.5.
- 4483 AXIS Camera Tampering will work only on the first input of 241Q video units.
- 4911 Bosch extension: The default multicast discovery address for Bosch extensions is wrong
- 5397 SDK: The function CameraListen() acts as a toggle.
- 5431 When exporting G64 to AVI, progress percentage displays a negative number.
- 5483 The user interface for backing up the failover of the Archiver causes problems.
- 5535 Enable Omnicast to support unlimited frame rate for Axis cameras.
- 5555 Panasonic NS202A: Multicast port improperly set.
- 5601 WebClient is installed only if the option 'sub-features' is selected.
- 5841 Panasonic DG-NS202A is not discovered as it is not recognized as a PTZ camera.
- 5860 Directory: e-mail is not sent when the set timeout for smtp manager is too short.
- 5937 Samsung Scc-641/643: Menu is camera does not function properly.
- 6177 PTZ Philipps: Omnicast is unable to change settings in PTZ menu of Bosch 500 series Autodome camera.
- 6758 Playback video in the Archive Player does not work for Verint S1504 decoders.
- 6966 Time is offset as a result of dropped frames after ASF conversion with GE
- 7033 Bosch Video Jet 10: Units are not discovered due to interference with input state and alarm state sent too soon by the camera.
- 7085 Archive Player may become unstable when reading frames of a .g64 file with watermarking.
- 7086 Archive Player: An error occurs when validating a watermarked file.

Issues from 4.2 BETA addressed in 4.2 GA

- 3203 Searching metadata across multiple federated plugins may take a long time to return results.
- 3474 Snapshots of Axis encoder video feeds should have a 4:3 ratio.



- 3521 Exporting the stand-alone Archive Player fails on machine using French version of the OS.
- 4728 Panasonic extension: MPEG-4 stream is always enabled in the unit when the Archiver is rebooted.
- 5020 Exporting video in ASF takes the same time whether the video sequence has audio or not.
- 5156 The cameras listed in the “Backup” Archiver tab are not properly updated when the system is configured with failover Archivers.
- 5165 Full camera path in Archive Player is not displayed under certain circumstances.
- 5166 Entity search functionality does not work on system using SQL 2000.
- 5191 Searching metadata across federation and multiple time zones returns the wrong results.
- 5205 Exporting video in AVI stops in the conversion process if the video sequence does not start with a key frame.
- 5253 Archive browser results pane is not refreshed after reconnecting to another server.

Issues from 4.1 SR3 addressed in 4.2 BETA

- 351 Cannot view video when the connection type between the client and the server is set to UDP. Workaround: Should be set to Best Available and let the Gateway make the decision to send the video in UDP. Starting from 4.2, the connection type between client and server is automatically handled by the Gateway.
- 646 The language list is empty the first time the Web client loads.
- 658 Cannot view video when the connection type between the client and the server is set to TCP. Workaround: Should be set to Best Available and let the Gateway make the decision to send the video in TCP.
- 743 Restore Archiver databases are not upgraded after a re-installation (V114058/V116407).
- 775 Contact relays do not generate events in the Live Viewer when using custom actions.
- 958 Limitation: Unable to launch NTBackup from the Server Admin. NTBackup is not supported anymore. Backup to tape must be done by backing up the video to disk first.
- 1308 SymSafe Pro: Many RTP packets are lost when using the highest bit rate.
- 1388 Exporting video from SymDec 4 unit fails. Workaround: User needs to stop the playback before exporting the video.
- 1582 When upgrading, the username/password set for the services will revert back to default unless silent install is used to push the username/password. Username/password configuration is not part of the installation process.
- 1699 Entity search with a “Search under” site specified will not work if the path is displayed according to the Physical view.



OMNICAST

- 2020 ALT-Char key does not have the same behavior in Omnicast as Windows on non-US keyboards.
- 2084 WJ-NT304 is unstable after an Archiver failover.
- 2085 WV-NP244 loses its connection with the secondary Archiver after a failback.
- 2223 Export to AVI is not supported with Arecont cameras.
- 2806 User can close client applications without proper user rights with dual monitor.
- 3031 Pan-Tilt on Toshiba cameras does not work.
- 3173 Exporting audio in ASF format does not work for Bosch encoders.
- 3185 Live Viewer: the Instant Replay is hidden by the PTZ controls when moving the PTZ with a joystick.
- 3241 Auxiliary Archiver - Cameras continue to record even when the archiving mode is set to disabled.
- 3417 License - Directory loses its connection to the Gateway when the license expires on any server on the system.
- 3486 Archiver: Error in the database when upgrading file info for a file larger than 2 GB.
- 3517 Archiver: the hardware motion detection is disabled when the secondary Archiver is started after the primary Archiver.
- 3905 A camera sequence that contains both hidden and non-hidden cameras cannot be viewed in the Config Tool to a user hidden from the camera. In the Live Viewer, only the non-hidden cameras will be displayed.
- 3924 Federation: the federated stream may revert back to the "Live stream" after the Directory restarts.
- 3999 Alarms will never get deleted when the DFC is installed but not running.
- 4020 Midnight (12 AM) is displayed as "null" in the video quality schedule overview.
- 4174 Deleting the Restore Archiver database using Server Admin does not work.
- 4225 In the Live Viewer, displaying a map in a tile where there was a map will show the old map for a brief moment.

Issues from 4.1 SR2 addressed in 4.1 SR3

- 3325 When enabling synchronous playback and there is no video available for one of the cameras, the tile should display "no playback sequence".
- 3448 Sometime the Archive Player freezes when doing synchronize playback on 16 cameras.
- 3449 Sometime the playback slow down when doing synchronize playback on multiple cameras.
- 3493 Playback video coming from GE DVMRe units is not working.
- 3506 Synchronous playback: Seek to next video sometimes skip video.



OMNICAST

Enterprise Security Software IP Video Surveillance



- 3597 The frame rate is not properly set for low frame rates on GE SymSafe/SymDec16.
- 3784 Archiver might become unstable when discovering Bosch VIPX units if iVMD 2.0 is enabled.
- 3786 Archiver may become unstable when invalid configuration in the unit motion detection of a VIP 1600 unit.
- 3820 Still alarms displayed in salvo mode show black frame if the maximum number of displayed alarms is reached.
- 3825 Archiver might freeze when stopping the video from a MJPEG stream with Axis.
- 3834 No live video with GE DVMRe CTII JPEG2000 units.
- 3898 Audio with Axis is always enabled by the Omnicast when the camera is discovered.
- 3951 Live stream is not accessible anymore on Bosch VJ8008 if the stream is stopped unexpectedly.
- 3963 Unable to add a Sony SNC-Z20 to Omnicast.
- 3973 Export to AVI with GE Symnet unit is not working properly.
- 3975 Zoom doesn't work or is slow when using a Dynacolor dome with a keyboard.
- 3976 Monitor ID higher than 99 does not work with Pelco 9760 keyboard.
- 3994 Vivotek cameras can go offline while closing a MPEG4 stream channel.
- 4027 The Live Viewer may freeze and become unusable.
- 4033 Ernitec PTZ has latency problem and inverts pan direction.
- 4116 Archiver could take too much memory and become unstable when some database updates are long to execute.
- 4192 Federation becomes unstable when federating a PTZ which does not have any presets.
- 4217 GE IP CamPlus is not discovered properly by Omnicast.



Limitations

Known Issues/Limitations

- VI09468 After removing a unit from an Archiver, the Archiver remains in the failover list of the unit.
- VI09678 When running the Live Viewer on a PC configured in dual view, if you change the Windows display properties (span horizontally or vertically) and press Apply, you must ALWAYS answer with Yes or No the question Windows asks about keeping your current settings. If you fail to answer and let the pop-up expire, the next time you switch the Live Viewer to Full Screen mode, it will not work correctly.
- VI09922 When using a multiple monitors in a video wall configuration and using either 3D Text or the 3D Flying Objects screen saver, a blank screen is displayed on the primary monitor when going to screen saver mode. This is a documented Microsoft bug: <http://support.microsoft.com/default.aspx?scid=kb;en-us;302587>
- VI10395 An alarm that contains an archived encoder entity cannot be played back. The link between alarm and encoder is not maintained when the encoder is transformed to an Archived Encoder.
- VI10398 The source name of an alarm is blank when the source is an archived encoder entity.
- VI11626 Metadata video overlay is not supported by hardware decoder.
- VI11700 Viewing a paused alarm through the remote LV shows the sequence in play mode.
- VI12640 For all IP cameras, signal lost/recovered events are present in the "create action" even if it not supported by the IP cams
- VI12765 Cannot choose viewing quality on VRU for camera sequences
- VI12851 Performing an ASF conversion in a macro will cause the VM/Macro editor to restart
- VI12990 When forwarding an alarm to a user that is not logged on, the alarm will not be received and there is no indication to the user who forwarded the alarm whether the alarm was received or not. The workaround is to have the user who initially forwarded the alarm to log off and log back on to see the alarm again.
- VI13095 When a VIP X2 or VJ8008/8004 camera is displayed as both part of a camera sequence and a single camera in two different tiles of the same Live Viewer, the video in the camera tile will freeze for a short while every time the camera sequence switches to that camera.
- VI13631 PTZ unlocks by itself even when the PTZ is not idle i.e. the PTZ idle time is not always taken into consideration before unlocking the PTZ
- VI13735 When performing an upgrade from 3.5 to 4.0, and the 3.5 IVS was connected to a port other than the default value, the user may not be able to connect to any 4.0 client if the "restrict access to connection parameters" option was checked. The workaround is to manually change the 4.0 Gateway TCP command port in



the Server Administrator.

- VI13739 Joystick configurations are not preserved when upgrading from 3.5 to 4.0.
- VI13773 Audio does not work on the Web client on a PC that has 2 network cards. The work around is to disable one of the network cards.
- VI13920 For unit motion detection on Verint units, the sensitivity is not correctly mapped with the unit sensitivity in the CLI
- VI13966 The Repair option in the InstallShield does not work correctly.
- VI14042 When having clients from multiple versions and double clicking in Windows Explorer to play a g64 file, the file will try to play in the client version that was last installed. This may cause the file to not play properly if you are clicking on a 4.0 g64 file and the last installed version was 3.5
- VI14054 When first installing a DFC system, the alarm DB needs to be manually created on all secondary PCs so that it is synchronized with primary alarm DB
- VI14161 Cannot view playback on a video decoder when the Archive Player is on the same LAN as the Gateway operating in reverse mode.
- VI14200 Using the Automatic Update Tool to update itself under Windows 2003 does not work. *Automatic Update is not supported anymore.*
- VI14496 In the Live Viewer, inverting the X axis on a joystick configuration does not work.
- VI14643 On a VJ8008, the playback commands "Go to the next Key frame" and "Next frame" do not work properly on neither unit nor software archives.
- VI14781 On a Windows XP machine running an IIS Server, no more than 10 Update Agents can be connected at the same time. *Automatic Update is not supported anymore.*
- VI14801 When applying video protection through the "Live bookmark added" event, the video protection will get interrupted prematurely when an Archiver failover occurs.
- VI14812 OSD of a live alarm is not displayed on a VRU after an Archiver failover if there is only 1 camera in the alarm and only 1 alarm on the VRU.
- VI14934 Automatic Update is not supported on Win 2003 machines. *Automatic Update is not supported anymore.*
- VI14959 When redirecting the metadata that is configured in manual mode from one Gateway to another or restarting the Directory in manual mode, the plugin stops to work. The work around is to use continuous mode.
- VI14971 When only one camera is blocked in a camera sequence, the entire sequence cannot be displayed.
- VI14973 The 3.5 and 4.0 SDK cannot co-exist on the same machine.
- VI14991 After switching from Software motion detection to Hardware motion detection with a multi-zone configuration, only the first zone will work.
- VI14LL996 When recording metadata without recording video files, the metadata files do not get listed in the Video Query Tool.
- VI15062 Gateway multicast test addresses should be unique on a multiple Gateway system when clients or services are connecting from behind a router that is



OMNICAST

Enterprise Security Software IP Video Surveillance



- blocking multicast. Failing to do so will result in the Gateway detecting multicast where there is not, causing the Gateway not to redirect the video streams requested by clients behind the router.
- VI15117 No events can be received from federated Microphones or Speakers because these entities don't generate events.
 - VI15176 After connecting to a 4.0 GA Web server, connecting again to a 4.0 SR1 Web server will not work. The workaround is to delete the Omnicast DVR 4.0 folder in common files before using the 4.0 SR1 Web server.
 - VI15222 When an alarm defined with a camera group is paused in the Live Viewer, the next and previous buttons remain disabled in the tile, although the camera group contains more than one camera.
 - VI15231 For better performance, when importing more than 100 users from the Active Directory, import user groups instead of users.
 - VI15234 When the system contains a large number of users (> 3000 users), selecting the User Management tab in the Config Tool can take a long time and there is no message to ask the user to wait.
 - VI15301 When upgrading from 3.5 to 4.0, multi-stream upgrade is not fully supported. If both encoders have archives in the previous version, a ghost camera will be created for one of the encoders after the upgrade.
 - VI15306 Recipients of forwarded alarms have no record of these alarms after they have been acknowledged.
 - VI15574 Can only view cameras in a camera sequence when they are already displayed in other tiles with Siemens OTN.
 - VI15579 Siemens: When the video quality is changed while the video is displayed on a decoder, the changes are not applied immediately. The workaround is to reconnect the encoder onto the decoder.
 - VI15643 Motion detection zones defined in Config Tool are not properly communicated to Bosch units when motion detection by unit is selected.
 - VI15717 It is recommended on large Siemens OTN setups that Archivers and OVS and OMS should be installed on separate machines to obtain better performance.
 - VI15860 To correctly upgrade the Web client, you will need to close all IIS sessions to release any locked files or go to the IIS service management tool and stop the Default Web Site application.
 - VI16571 Federation "Synchronize" button does not synchronize the entity names.
 - VI16679 When querying a federated camera with the Archive Player, only results from its default Archiver are returned. Results from Auxiliary Archivers are missing.
 - VI16782 Web clients will not work on machines without Java installed. You need to install Java 1.4 or more recent yourself.
 - VI16833 The Directory Failover Coordinators (DFC) on standby Directory servers may become unresponsive (locked in the Synchronizing state) after multiple crashes of the primary Directory/Gateway server.
 - VIxxxxx Standby Metadata Engine not yet supported.



OMNICAST

- 224 Auxiliary Archiver does not support motion recording schedule over the Federation.
- 299 No event is displayed in the event pane of the Web client.
- 373 Limitation: The Web Live Viewer doesn't support client Plugins.
- 499 Limitation: Exporting a sequence with audio in ASF will not work if the audio sampling rate is not 8 kHz.
- 541 Virtual PTZ from a Hardware Matrix does not work after a Virtual Matrix failover. PTZ needs to be recreated.
- 601 Limitation: Playback on VRU is not supported when the client connected through a different Gateway.
- 679 Directory port is blank in the Server Admin after an upgrade from 4.0 if the port was something else than the default.
- 741 Using SSL can cause instability on the Archiver with Verint units.
- 1362 With IP Filtering on, when a connection is refused, no other connection through another Gateway will be attempted after a failover.
- 1521 Access to PTZ menu from the Config Tool is disabled
- 1535 Limitation: On some cameras, changing the IP address in the discovery tool does not inform Omnicast that the IP has been changed and will not be updated in the network information. Workaround: Change the IP address from the network tab of the Config Tool.
- 1693 The CPU status in the client applications doesn't work on a Vista machine.
- 1695 Limitation: Two different versions of a client plugin cannot co-exist on the same machine.
- 1744 Limitation: Client plugins are not supported in the Web client.
- 1748 Limitation: When the system generates more than 200 events per second, the filter "show all events" in the Live Viewer should be turned off.
- 1757 After viewing a map in the WebClient, Internet Explorer may crash when using application shortcut to open Web Archiver Player.
- 1828 Limitation: Playback alarms do not resume after an Archiver failover.
- 2089 Pelco 9760 Matrix can become unstable when using 0 as input or output ID.
- 2427 When uninstalling the Omnicast server or client applications from Windows Vista, a dialog appears telling the user that some applications should be closed before continuing the uninstall. Workaround is clicking OK to close the applications.
- 2455 Need to enable ASP and IIS 6 Compatibility to be able to run WebClients on Vista.
- 2846 Under certain circumstances when the Live Viewer connects to the system, the expand '+' sign does not appear in sites. Double-click on the site to force the '+' to appear again.
- 2865 With limited bandwidth, DFC and Gateway sometimes connect/disconnect multiple times before stabilizing.
- 3179 Virtual Matrix plugin failover is not supported.



- 3636 There can be packet loss between IOImage units and Omnicast resulting in some image degradation.
- 4152 Driver version 169.39 for nVidia Quadro FX3450 may cause video rendering problem on Vista machines. Workaround is to downgrade the video card drivers.
- 4450 If many network interfaces are available on a Vista Windows 2008 setup for the Omnicast Gateway, make sure all interfaces are connected or else disable them. Otherwise, multicast will not work, blocking live video.
- 4585 The number of playback streams that can be viewed simultaneously from a same Federation Server for a given version of federated Directory is limited to 20.
- 4864 Using guard tours that change rapidly with GE units may make the Live Viewer unstable.
- 4904 The maximum number of simultaneous playback streams coming from federated systems of a specific version is 20.
- 5026 The WebClient does not work when the Omnicast Server is installed on Vista 64-bit SP1 and IIS running in 64-bit mode. Workaround is to set IIS to run in 32-bit mode.
- 5602 Video playback does not work when it is being redirected by more than 2 Omnicast Gateways.
- 6197 Federating speaker entities is not supported.
- 6737 Sequence ID must start from 9001 when launching a sequence from Pelco 9760 keyboard. Add 9000 to the sequence ID when entering from the keyboard.
- 8738 When installing Omnicast Server that uses SQL Server 2008 you must manually create a user to manage the database or the services will not run correctly. The user must be granted all permissions in SQL, and then the SQL services must be reassigned to log on with this user. For step-by-step instructions, see the *Omnicast Installation and Upgrade Guide*.
- 9312 The Report Viewer is only supported on 32-bit systems.
- 9689 In the Remote Live Viewer plugin, when you click the Reconnect button in the plugin's toolbar, only the camera in the first tile is preserved. Cameras in other tiles are removed.
- 15613 The Video analytics tab is only available when using the **Advanced Mode** view.
- 14075 In the Live Viewer, when the Playback Alarm is triggered, the sequence starts glitching when reaching the end of the playback sequence.