HIKVISION™

Title:	How to use Genetec Omnicast with *HIKvision* Devices				
Date:	9/13/2011	Version:	1.0	Pages	8
Product:	HIKvision IP Products				
Action Required:	Information Only				

Supported Hikvision Devices

General Information

Product Category	Product Series	Pictures	Firmware Required	Recommended Firmware
IPC	Type B		Customized Firmware	build 110113
	Type C		Customized Firmware	build 110115
	Type D		Customized Firmware	build 101230
IP Speed dome	4, 5, 6, 7 series standard resolution		Customized Firmware	Upcoming (Beta Version Ready)
	5 inch megapixel resolution		Customized Firmware	Upcoming
DVS	6100 series		Customized Firmware	build110428
	6500 series		Customized Firmware	build 101223
	66 Series		Customized Firmware	Upcoming
	6300 Series Decoder		Customized Firmware	Upcoming
DVR/NVR	9000/9100 Series		Customized Firmware	Upcoming (Beta Version Ready)
	9600 Series		Customized Firmware	Upcoming
	9500 Series		Customized Firmware	Upcoming

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Model Details

IPC Type B

DS-2CD852MF-E ,
DS-2CD862MF-E ,
DS-2CD762MF-E,
DS-2CD752MF-E
DS-2CD762MF-FB
DS-2CD752MF-FB
DS-2CD762MF-IFB
DS-2CD752MF-IFB

IPC Type C

DS-2CD833F-E
DS-2CD893PF-E
DS-2CD893NF-E
DS-2CD893PFWD-E
DS-2CD893NFWD-E
DS-2CD863PF-E
DS-2CD863NF-E
DS-2CD853F-E
DS-2CD854F-E
DS-2CD883F-E
DS-2CD733F-E
DS-2CD733F-EI
DS-2CD793PF-E
DS-2CD793PF-EI
DS-2CD793NF-E
DS-2CD793NF-EI
DS-2CD793PFWD-E
DS-2CD793PFWD-EI
DS-2CD793NFWD-E
DS-2CD793NFWD-EI
DS-2CD763PF-E
DS-2CD763PF-EI
DS-2CD763NF-E
DS-2CD763NF-EI
DS-2CD753F-E
DS-2CD753F-EI
DS-2CD754F-E
DS-2CD754F-EI

DS-2CD754FWD-E
DS-2CD754FWD-EI
DS-2CD783F-E
DS-2CD7133-E
DS-2CD7153-E
DS-2CD8133F-E
DS-2CD8153F-E
DS-2CD8253F-EI
DS-2CD8253F-E
DS-2CD8254F-EI
DS-2CD8254F-E

IPC Type D

DS-2CD886MF-E
DS-2CD876MF
DS-2CD886BF-E
DS-2CD876BF

IP Speed Dome
6" standard resolution

DS-2DF1-601H
DS-2DF1-602H
DS-2DF1-603H
DS-2DF1-604H
DS-2DF1-605H
DS-2DF1-606H
DS-2DF1-607H
DS-2DF1-608H
DS-2DF1-611H
DS-2DF1-612H
DS-2DF1-613H
DS-2DF1-614H
DS-2DF1-615H
DS-2DF1-616H
DS-2DF1-617H
DS-2DF1-618H
DS-2DF1-631H
DS-2DF1-632H
DS-2DF1-633H

DS-2DF1-634H
DS-2DF1-635H
DS-2DF1-636H
DS-2DF1-637H
DS-2DF1-638H
DS-2DM1-601H
DS-2DM1-602H
DS-2DM1-603H
DS-2DM1-604H
DS-2DM1-605H
DS-2DM1-606H
DS-2DM1-607H
DS-2DM1-608H
DS-2DM1-611H
DS-2DM1-612H
DS-2DM1-613H
DS-2DM1-614H
DS-2DM1-615H
DS-2DM1-616H
DS-2DM1-617H
DS-2DM1-618H
DS-2DM1-631H
DS-2DM1-632H
DS-2DM1-633H
DS-2DM1-634H
DS-2DM1-635H
DS-2DM1-636H
DS-2DM1-637H
DS-2DM1-638H

IP Speed Dome
5" standard resolution

DS-2DF1-502
DS-2DF1-503
DS-2DF1-504
DS-2DF1-505
DS-2DF1-506
DS-2DF1-507
DS-2DF1-508

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DS-2DM1-501	DS-2DM1-517	**IP Speed Dome:** **5" Megapixel resolution**
DS-2DM1-502	DS-2DM1-518	
DS-2DM1-503	DS-2DF1-531	DS-2DF1-5702
DS-2DM1-504	DS-2DF1-532	DS-2DF1-570A
DS-2DM1-505	DS-2DF1-533	DS-2DF1-572
DS-2DM1-506	DS-2DF1-534	DS-2DF1-57A
DS-2DM1-507	DS-2DF1-535	DS-2DF1-5732
DS-2DM1-508	DS-2DF1-536	DS-2DF1-573A
DS-2DF1-511	DS-2DF1-537	
DS-2DF1-512	DS-2DF1-538	**DVS61xx series**
DS-2DF1-513	DS-2DM1-531	DS-6104HCI
DS-2DF1-514	DS-2DM1-532	DS-6101HFI-SATA
DS-2DF1-515	DS-2DM1-533	DS-6104HCI-SATA
DS-2DF1-516	DS-2DM1-534	DS-6101HFI-IP
DS-2DF1-517	DS-2DM1-535	
DS-2DF1-518	DS-2DM1-536	**DVS65xx series**
DS-2DM1-511	DS-2DM1-537	DS-6508HCI
DS-2DM1-512	DS-2DM1-538	DS-6516HCI
DS-2DM1-513		DS-6504HFI
DS-2DM1-514		DS-6508HFI
DS-2DM1-515		DS-6516HFI
DS-2DM1-516		

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1.   Genetec Software Version

Omnicast v4.5, v4.6, v4.7 and SC5GA are supported.

Omnicast 4.7 SR1 (Omnicast_v_4_7_b1880_44_Full) is used for the demo below.

2.   How to Build a Simple Demo

2.1   Install the Software

Get a download link and license from Genetec.

Install Omnicast Server and Client. Activate the license.


2.2   Add Hikvision Devices

Run Server Admin. Right-click on the "Archiver" of the server Admin application, choose "Create", and then, select "Genetec Extension".
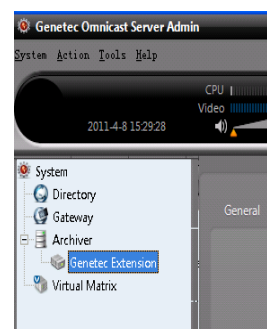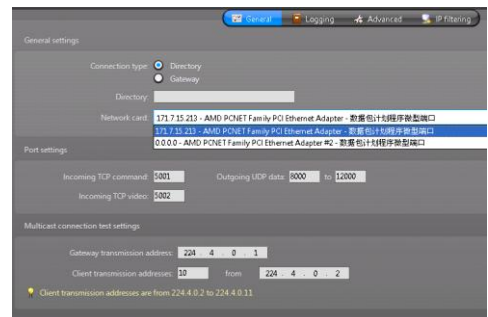
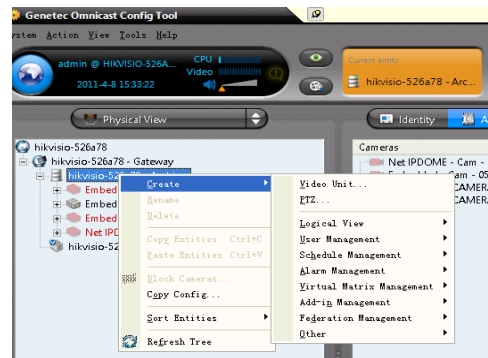| Title:	How to use Genetec Omnicast with *HIKvision* Devices				
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Start Omnicast Config Tool, and connect it to the Server. The "Gateway" is the IP address of the PC where the Omnicast server is running. If the server and the clients are running on the same PC, this box could be blank.
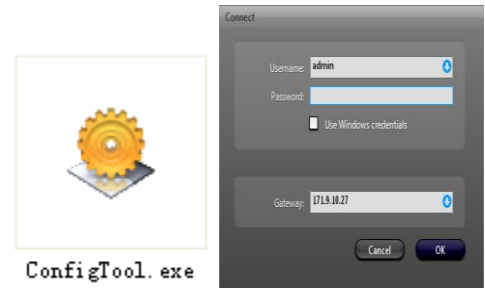

If the Omnicast Config Tool cannot connect to the Admin Server, please go to "Gateway", "Archiver" and "Genetec Extension" settings of the Server Admin, and check whether the right Network card is in use.

In the Config Tool, Physical View, right click on the "Archiver", select "Create", and choose "Video Unit".

Add a Hikvision device by its IP address, user name and password. Please select "Hikvision" as the "Manufacturer".
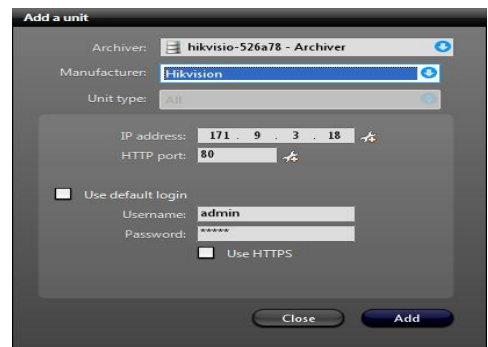
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TECHNICAL BULLETIN

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2.3 Configuration on Hikvision Devices

Once the device has been added to Admin Server, the video channels, microphone, speaker, alarm input, alarm output and serial ports of the device will be recognized. Click a camera icon; go to "Video Quality" page, and click "Live Video" to check whether the video appears successfully.
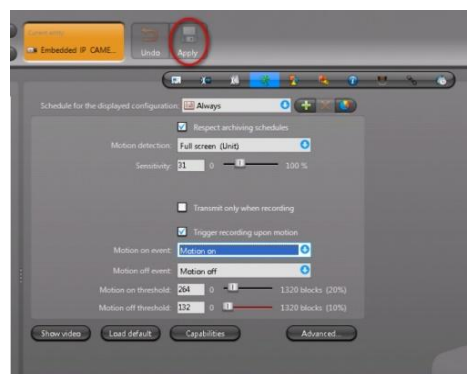

Go to "Recording" page, to make sure the recording schedule is enabled. It uses motion recording as default.
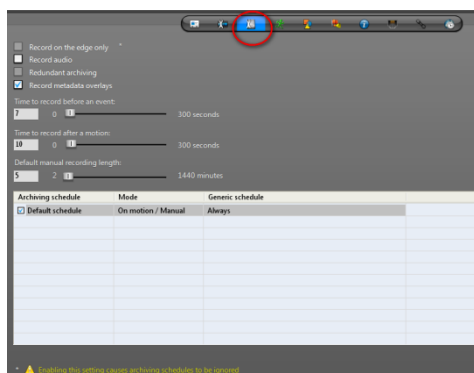

Go to "Motion detection" page, setup the motion detection parameters. Set it to trigger "Motion on" and "Motion off" events. Click "Apply" to save the changes.

Note: It is recommended to set "Sensitivity" to 50%.

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Go to "Actions" page, click the "Add" button at the bottom, choose "Event Type" as "Motion on", then, choose an action, click the "OK" button and "Apply" it. Here we select "Send a message" to all the groups.
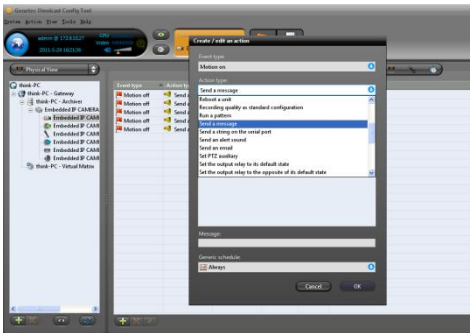
2.4. Operation on the Live Viewer

Run Live Viewer, and connect it with Admin Server. Archive Player will get the device list automatically. Click on a camera icon, drag it to a window and drop it, Live Viewer will display the video accordingly.
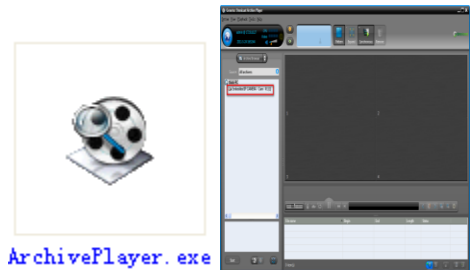

LiveViewer.exe

If any motion happens, the actions users have selected will be implemented automatically. In this example, a message box pops up.


2.5 Operation on the Archive Player

Run Archive Player, and connect it with Admin Server. Archive Player will get the device list automatically. Double click a camera icon to search the recording files.
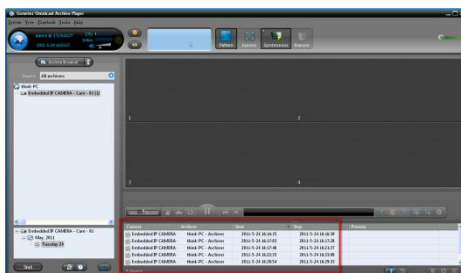

ArchivePlayer.exe

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The dates with recording files will be shown at the left-bottom corner. Double click a date to show the recording files.
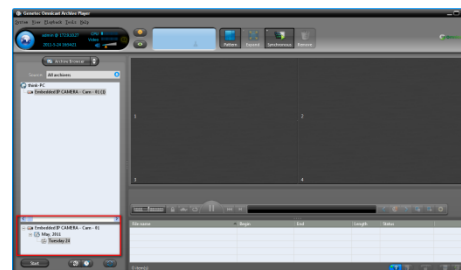
Double click on a recording file to play it.

The recording file will be played in a window. Users can use the control buttons for playback control.
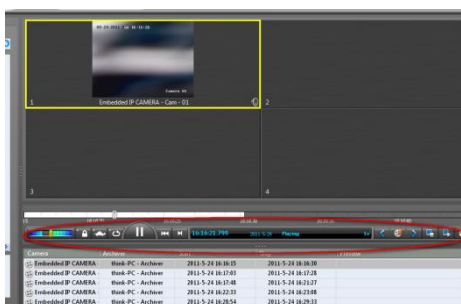
3. Known Issues

1. If there is a ghost image on Omnicast Client, users need to change the DWORD value for the OmnicastAVCodec_ErrorRecognition file to 0. To do this, open the registry editor and navigate to the following folder: HKEY_LOCAL_MACHINE\SOFTWARE\Genetec\Genetec Omnicast4.7. Double-click on the AVCodec_ErrorRecognition folder and in the Edit DWORD Value dialog box, change the Value data to 0. If there is no such AVCodec_ErrorRecognition file, add a H.264 device, and view it from the Omnicast Client. The file will now appear.
    Note: The path on different OS versions may be different.

2. 6500 series will only work with Omnicast V4.6. While 9000 and 9100 series DVR will only work with Omnicast V4.7.

3. If motion detection cannot be triggered, please make sure the resolution is set to the max resolution and motion sensitivity is set to 50%.