

IDIS for Gallagher Command Centre 8.3

User Guide

Version 3.0.0
(10. 15. 2020)

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1 IDIS Controller for Gallagher

1.1 Device Setting

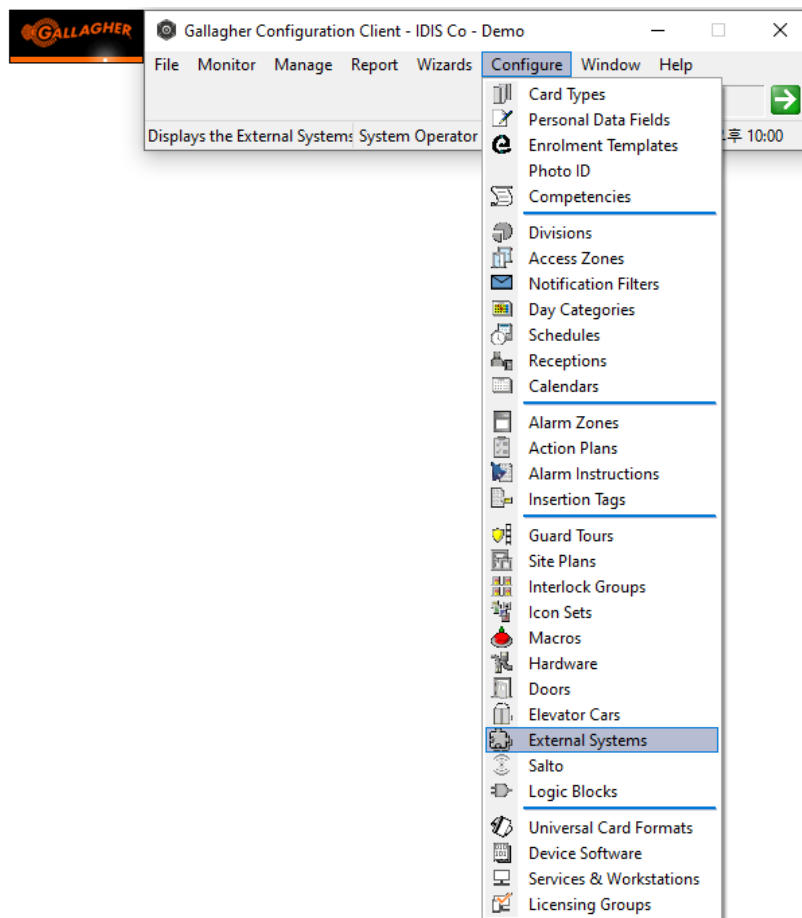
- 1) Please Install "IDIS Controller for Gallagher.exe", and Do not run after installation is complete.



"IDIS Controller" is an application that relays communication between Gallagher and IDIS NVR/VMS.

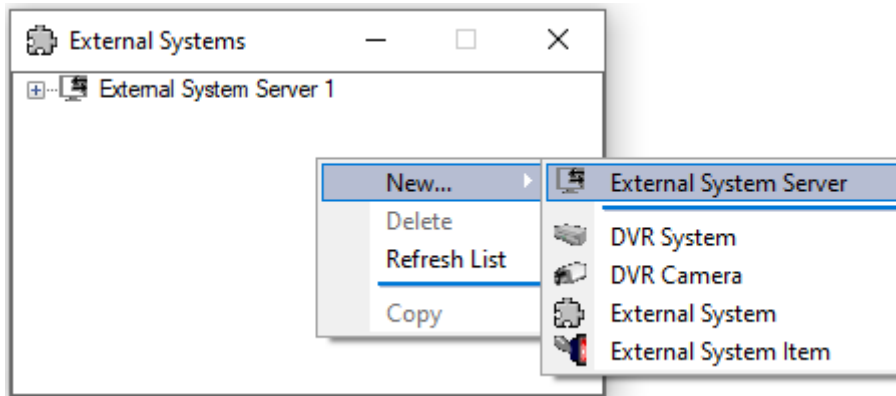
- 2) In "Gallagher Configuration Client" add "External Systems" as below to add IDIS device.

Gallagher Configuration Client->Configure -> External Systems

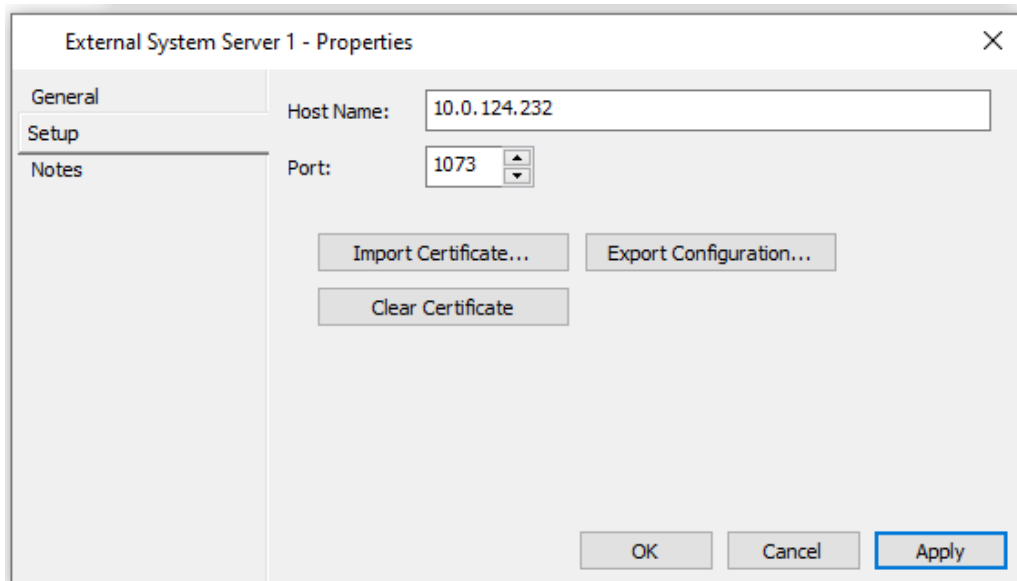
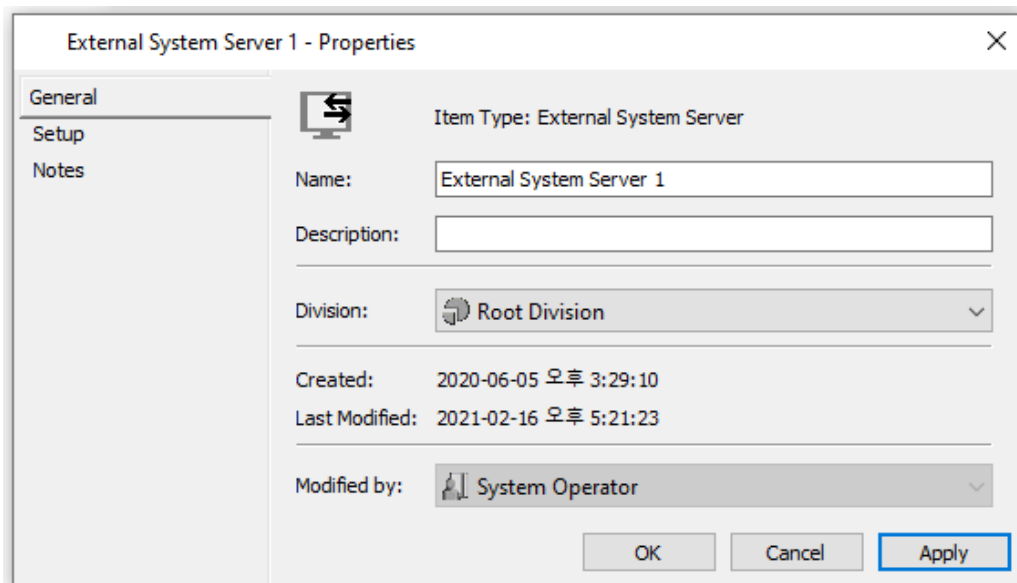


- 3) "**External System Server**", the top tree of External Systems, means IDIS Controller, so you must first set the IDIS Controller's network address/port and certificate.

- 3.1) In the "**External Systems**" dialog, **mouse** right-click and select "**External System Server**" from the context menu to add it.



3.2.) Set the server name and enter the IP address of the PC where IDIS Controller is installed.



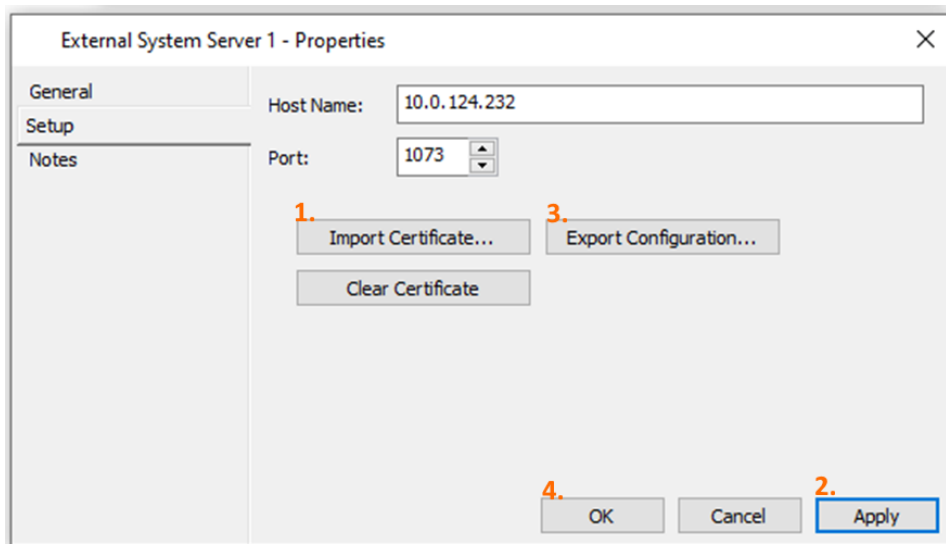
3.3) If IDIS Controller and Gallagher are installed on different PCs, copy the "GallagherFTCAPI.pem" certificate file from the path below to the PC where IDIS Controller is installed and click the "Import Certificate" button to select it.

C:\Program Files (x86)\IDIS\Controller\GallagherFTCAPI.pem

- a. Import Certificate -> Select "**GallagherFTCAPI.pem**" file
- b. Apply
- c. Export Configuration -> Save "**GallagherFTCAPI.ini**" file
- d. If IDIS Controller is running, close it, overwrite the "**GallagherFTCAPI.ini**" file in the folder where IDIS Controller is installed, and run IDIS Controller.

Path C:\Program Files (x86)\IDIS\Controller\

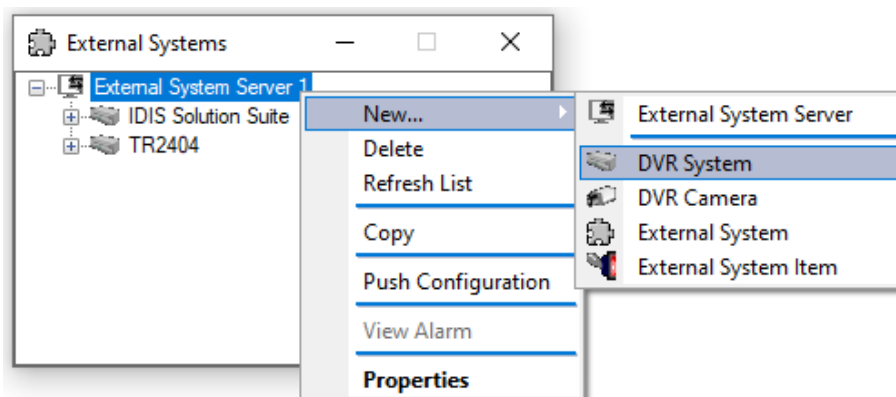
- e. If you need to change the host name and port, please proceed with the same procedure as above.



4) Now you can add a DVR/NVR or VMS.

After selecting the added "External System Server 1", right-click and select "DVR Systems".

Gallagher Configuration Client->External Systems->External System Server->DVR System



- 5) Add the name of the item in the General tab (duplicates are allowed).

The screenshot shows the 'IDIS Solution Suite - Properties' dialog box with the 'General' tab selected. The 'Item Type' is 'DVR System'. The 'Name' field contains 'IDIS Solution Suite#1'. The 'Description' field is empty. The 'Division' is set to 'Root Division'. The 'Created' date is '2021-02-16 오후 4:32:16' and the 'Last Modified' date is '2021-02-19 오후 6:05:31'. The 'Modified by' field is 'System Operator'. The 'OK', 'Cancel', and 'Apply' buttons are visible at the bottom.

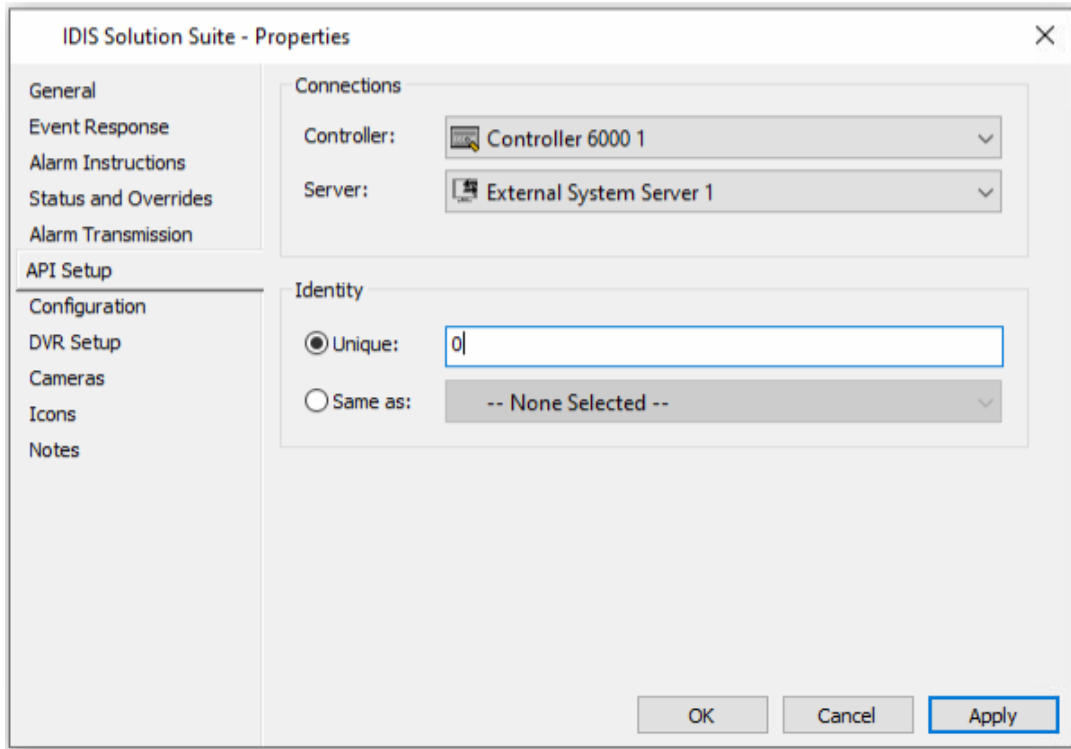
- 6) For Event support, set the alarm zone in the Event response tab as shown below.

The screenshot shows the 'IDIS Solution Suite - Properties' dialog box with the 'Event Response' tab selected. The 'Action Plans' section contains a table with two rows:

Event Group/Type	Action Plan
Command Centre Comms Interrupted	-- Use Default --
External System	-- Use Default --

Below the table, the 'Action Plan' dropdown is set to '-- Use Default --'. The 'Alarm Zone for all Events' dropdown is highlighted in yellow and set to 'Alarm Zone 1'. The 'OK', 'Cancel', and 'Apply' buttons are visible at the bottom.

- 7) Set the Controller to the added Controller item in "API Setup" tab. Select External System Server added to Server.



- 8) Enter the unique ID of the device in the Identity field. (Duplicates are not allowed)

9) Enter DVR connection information in the following order:

9.1) For NVR product

When connecting a NVR product, please enter it in the following order.

UserID:Password@IP Address:Port Number

Ex) admin:1234@10.0.132.175:8016

The screenshot shows the 'DR-6332 - Properties' dialog box with the 'Configuration' tab selected. The 'System Type' dropdown is set to 'Generic'. The 'Configuration' text area contains the string 'admin:1234@10.0.132.175:8016'. The left sidebar lists various configuration categories, and the bottom right has 'OK', 'Cancel', and 'Apply' buttons.

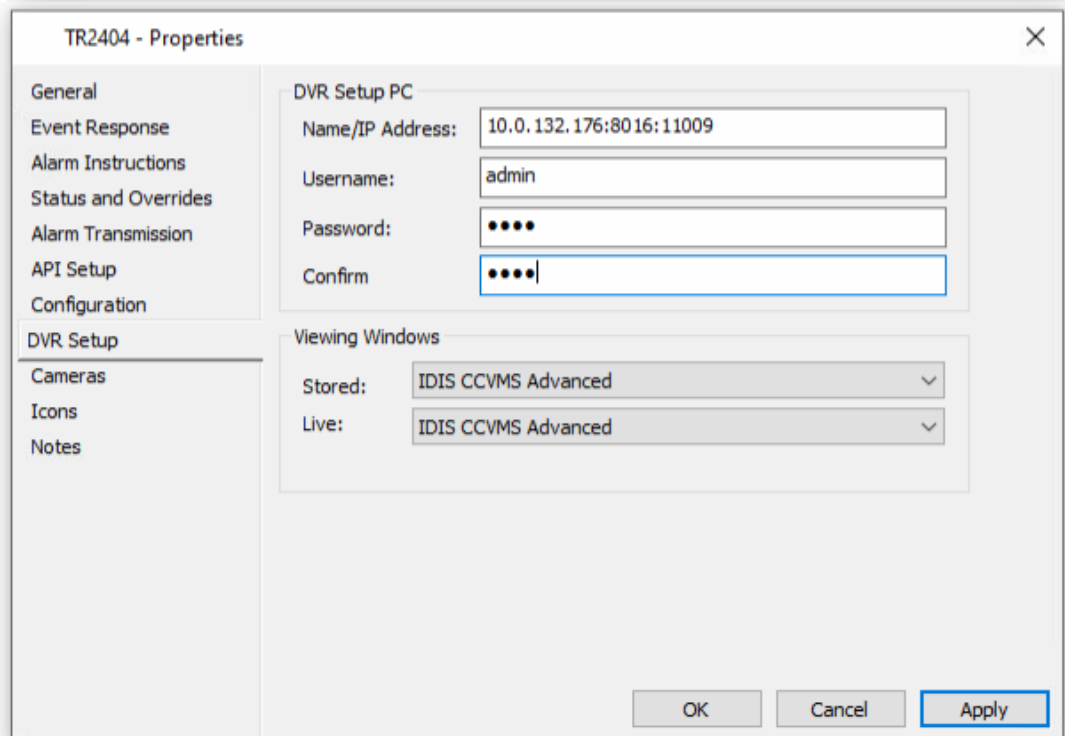
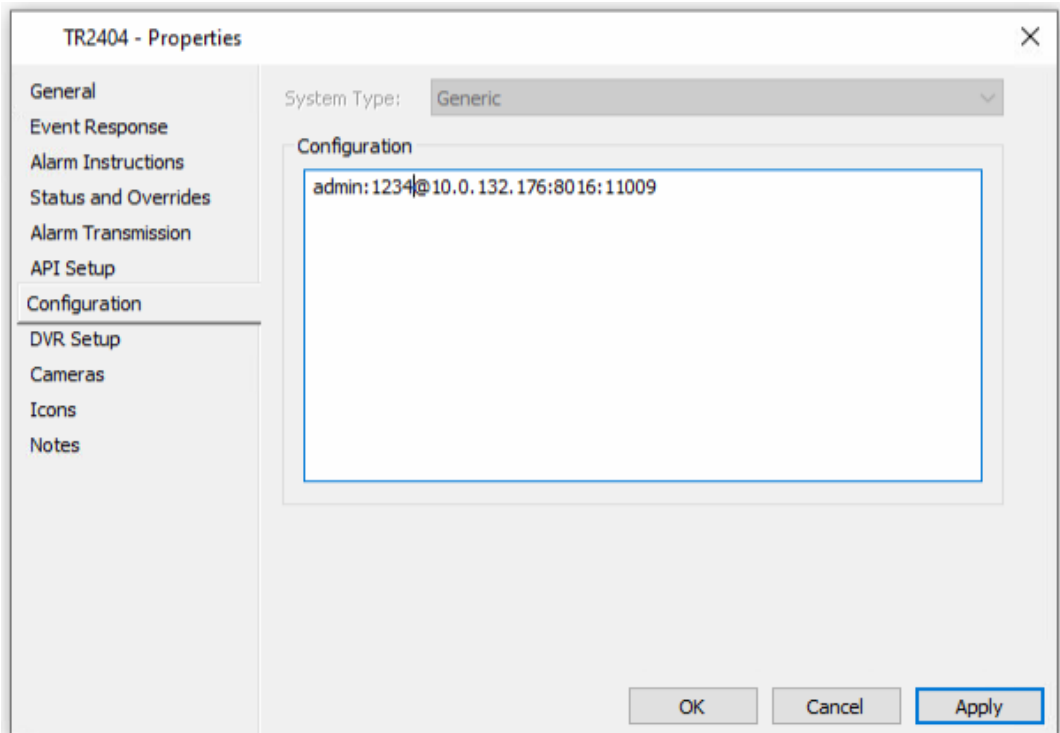
The screenshot shows the 'DR-6332 - Properties' dialog box with the 'DVR Setup' tab selected. The 'DVR Setup PC' section includes fields for 'Name/IP Address' (10.0.132.175:8016), 'Username' (admin), 'Password' (masked with dots), and 'Confirm' (masked with dots). The 'Viewing Windows' section has dropdowns for 'Stored' and 'Live', both set to 'IDIS CCVMS Advanced'. The bottom right has 'OK', 'Cancel', and 'Apply' buttons.

9.2) For DVR/TVI Recorder

*)When connecting a DVR/TVI recorder, please enter it in the following order.

UserID:Password@IP Address:Watch Port:Search Port

Ex) admin:1234@10.0.132.175:8016:11009

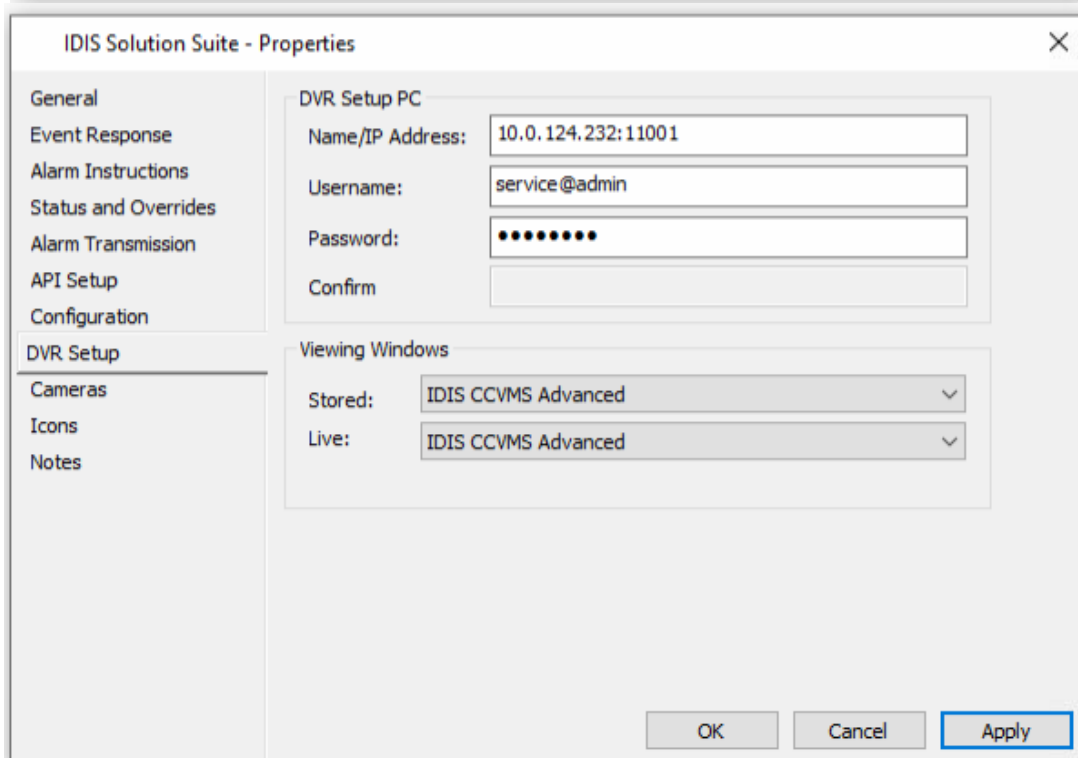
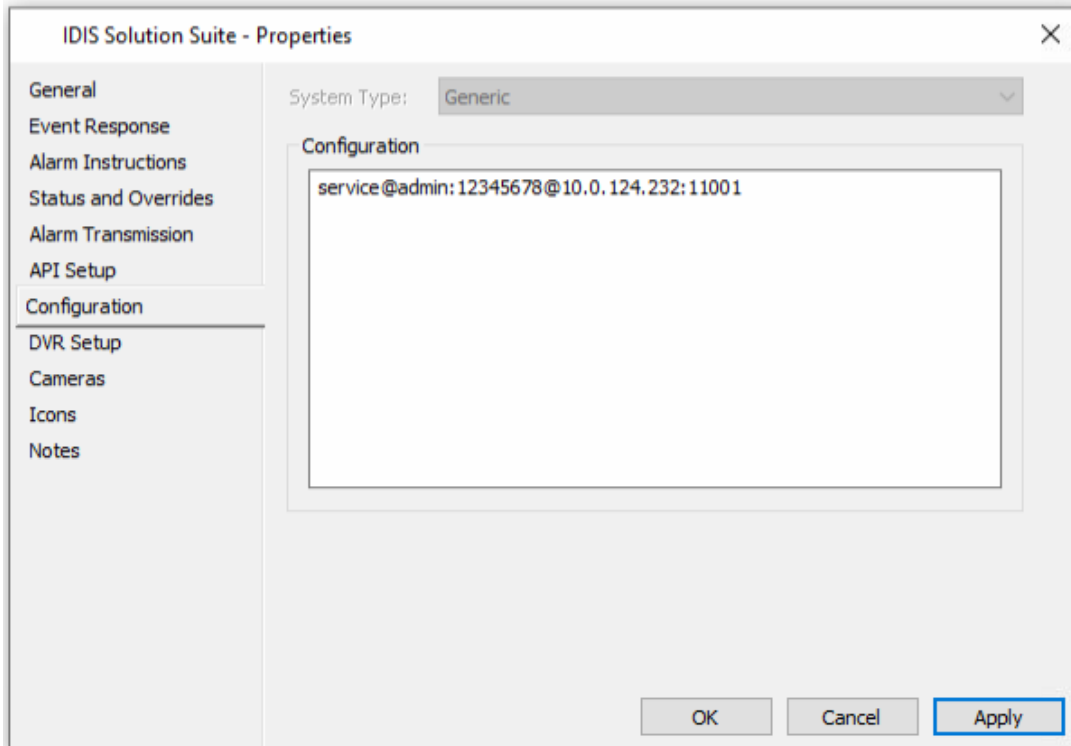


9.3) For IDIS Solution Suite VMS

*)When connecting IDIS Solution Suite VMS, please enter it in the following order.

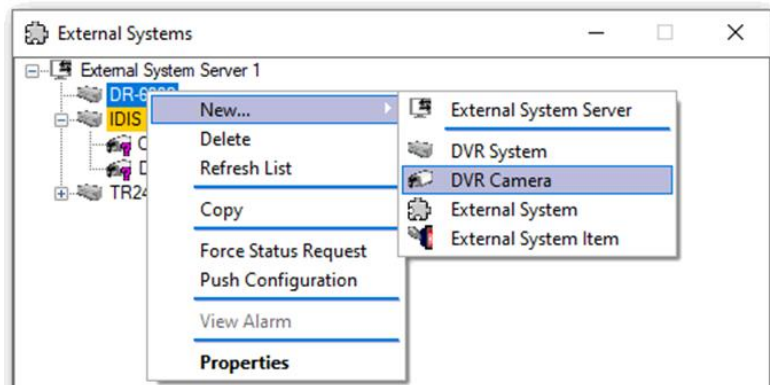
service@User ID:password@IP address for IDIS Solution Suite:admin port

Ex) service@admin:12345678@10.0.124.232:11001



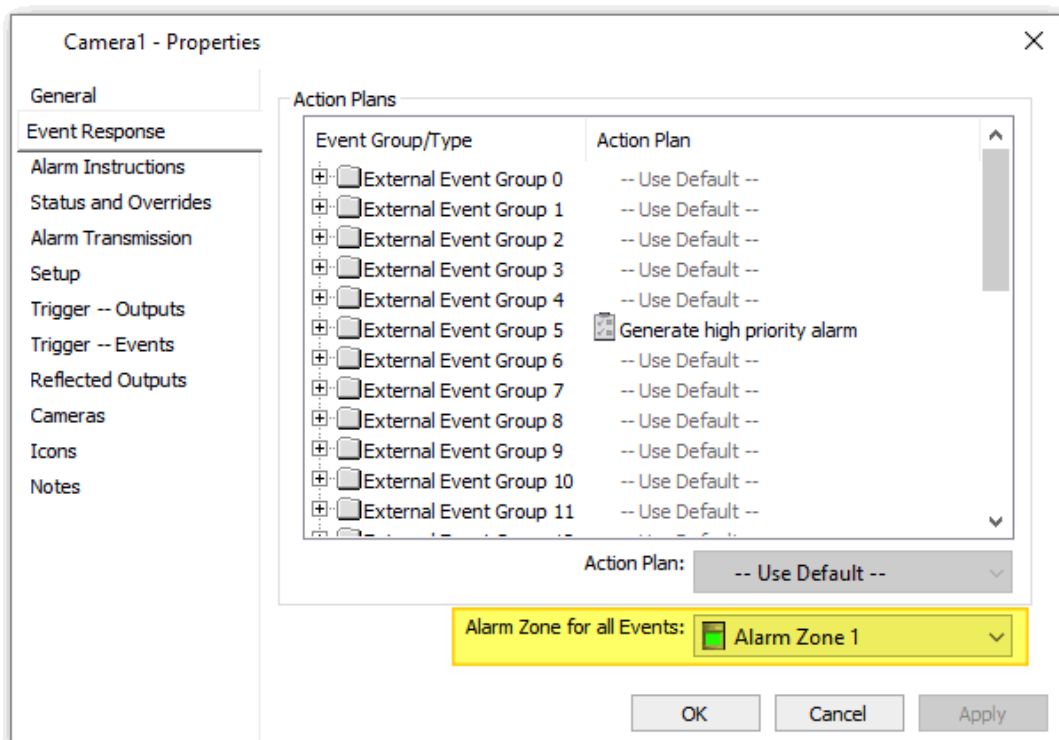
10) If DVR System is added , the **DVR Camera** should be added. To add, select DVR System item and click right mouse button to select Add from the menu to add DVR Camera.

Gallagher Configuration Client->External Systems->External System Server->DVR System
-> DVR Camera



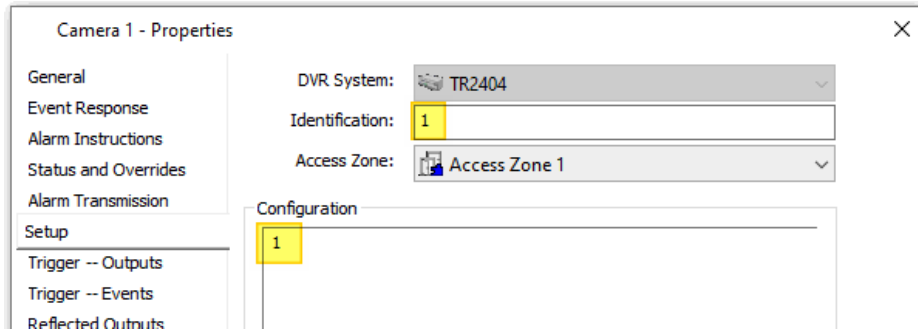
10.1) For event support, set the alarm zone in the Event response tab as shown below.

For camera events corresponding to "External Event Group 0~29", refer to the event defined in "1.2 Event Setting".



10.2) For DVR / NVR / TVI recorder

Please put the registered camera number of the recorder in the Identification/Configuration category.

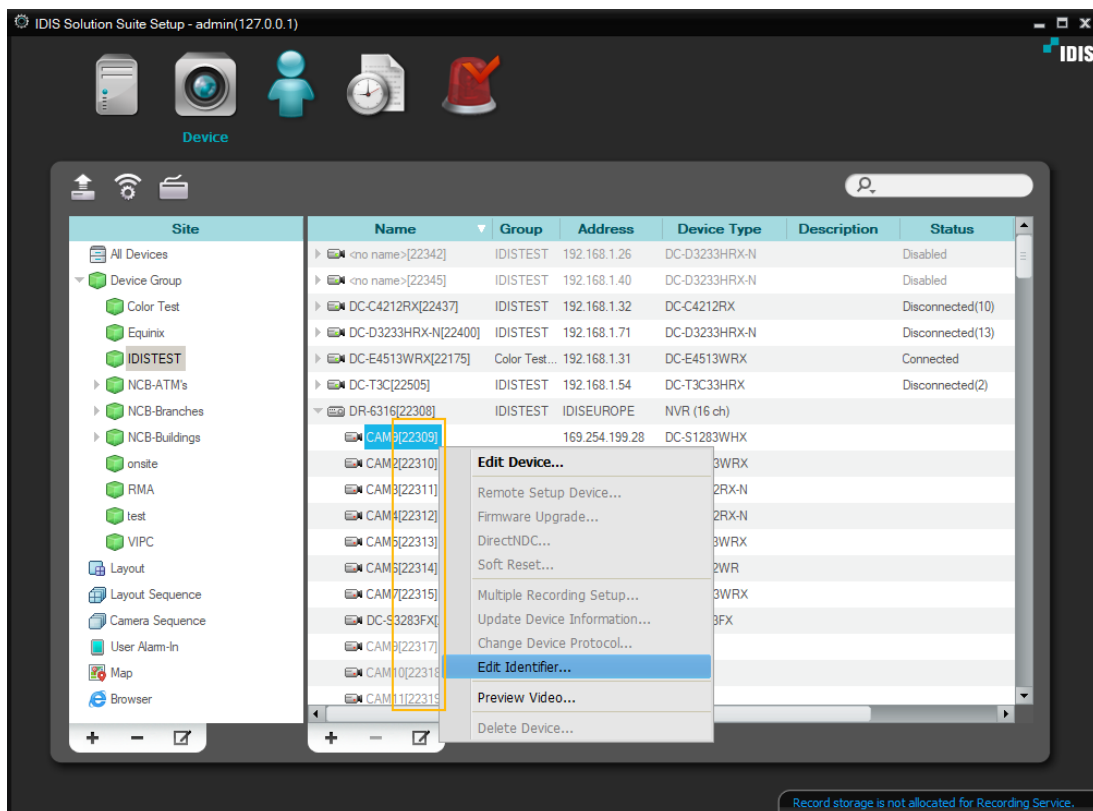


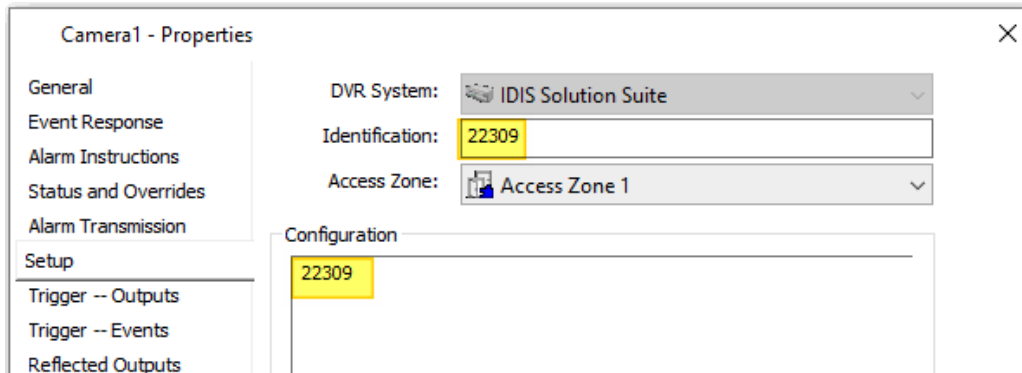
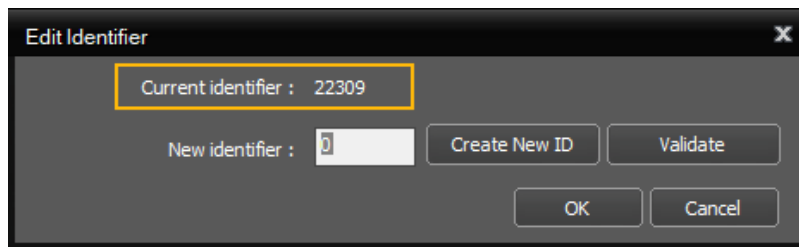
10.3) For IDIS Solution Suite VMS

In the case of VMS, unlike Recorder, there is a separate Unique ID for each registered device.

Among the devices registered in "IDIS Solution Suite" Setup, you need to check the Camera's Identifier ID.

The number is displayed next to the registered camera. If you do not see this number, you can also check it by selecting the camera and clicking the right mouse button and selecting "Edit Identifier..." from the context menu.





1.2 Event Setting

- 1) Click Monitor> Alarm Viewer menu of Configuration Client program.
- 2) Select Configuration> Alarm Zones and add Alarm Zone. Set the Controller to Controller 6000 in the Connections configuration.
- 3) Click the Event Response tab in the DVR Camera Properties menu and select the Alarm Zone set as the Controller 6000.
- 4) After selecting the camera that wants to generate an event, set the action plan of the event group for each event number in the Properties> Event Response tab (ex: Log an Event)
- 5) Set Alarm Priority higher than Message Only in Disarmed category of Action Plan.
- 6) IDIS Event Type Table by External Event Group

External Event Group Number	Event Type	Default Action Plan	Alarm Viewer Display
0	Recording Fail	No event recorded	X
1	Face Detection	Log an event	X
2	Video Blind	Generate very low priority	O - very low
3	Trip Zone	Low priority	O – low
4	Tamper	Medium low priority	O – medium low
5	Motion Detection	Medium priority	O - medium
6	Video Loss	Medium high priority	O – medium high
7	Alarm-In On	High priority	O – high
8	Alarm-On Off	Very high priority	O – very high
9	Audio Detection	Critical priority	O - critical
10	User Defined Alarm	Log an event	X

11	Text In On	Log an event	X
12	Tango Almost Full	Log an event	X
13	Tango Almost Full	Log an event	X
14	Disk Bad	Log an event	X
15	Disk Temperature	Log an event	X
16	Disk Temperature	Log an event	X
17	Disk Config Change	Log an event	X
18	No Disk	Log an event	X
19	Panic On	Log an event	X
20	Panic Off	Log an event	X
21	Fan Error On	Log an event	X
22	Fan Error Off	Log an event	X
23	System Boot Up	Log an event	X
24	System Restart	Log an event	X
25	System Shutdown	Log an event	X
26	Auto Tracking On	Log an event	X
27	Auto Tracking Off	Log an event	X

1.2.1 Callback Event Setting

- 1) Right-click on the Tray Icon of IDIS Controller and select the Setup menu from the menu that appears.
- 2) In the Setup dialog, enter the callback port set in the device and click the OK button.
- 3) When a callback event occurs in the device, it is displayed as “event – callback” in the alarm viewer.
*) In case of system event, it occurs only when camera #1 is added to the device list.

1.3 Instant Recording Setting

- 1) Drag and drop the camera to instant recording in "Cameras, Macros and External System Items" in Triggers item of Properties> Disarmed of Action Plan.
- 2) Set the added Action Plan by selecting Event Group in Properties> Event Response of Camera.
- 3) Enter “InstantREC” in the message when Action Plan occurs in Properties> Trigger-Events item of Camera.
- 4) When an event occurs, the set camera is instant recorded for 1 minute.
*) IDIS Solution Suite connection does not support Instant Recording function.

2 IDIS CCVMS for Gallagher

Installation file for Live / Stored Viewing Window.

2.1 Viewing Window Setting

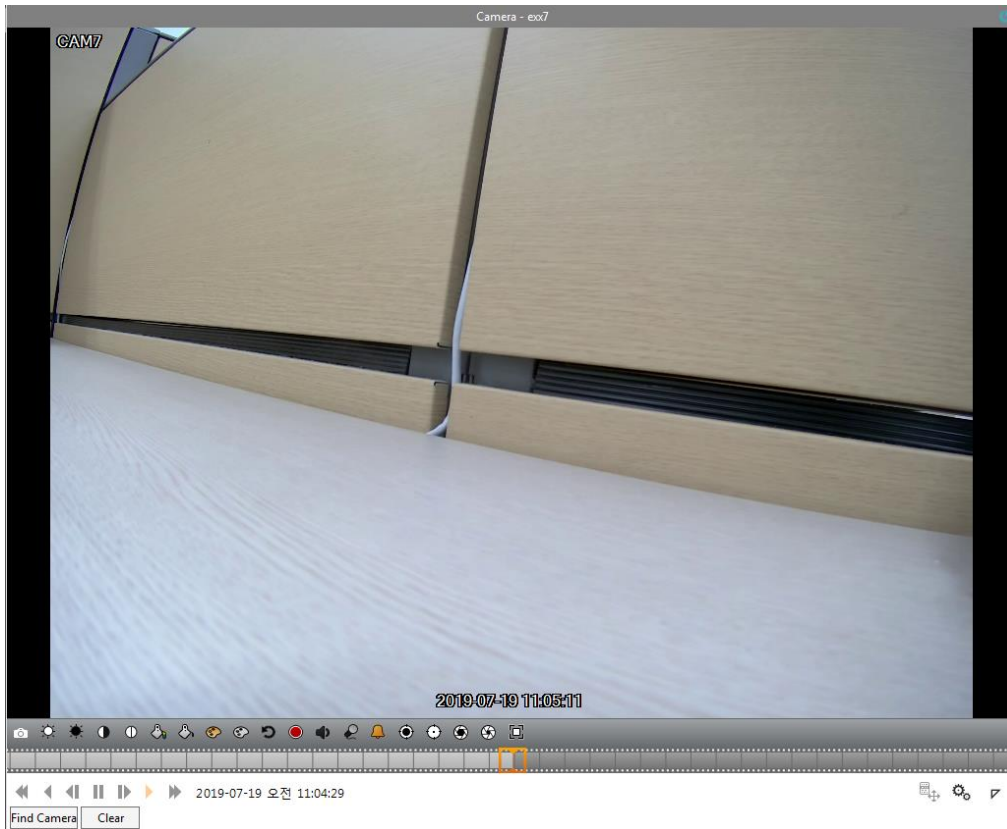
- 1) Install IDIS CCVMS for Gallagher.exe.
- 2) In the External Systems window, select the DVR Setup tab in the right-click setting of the DVR System item.
- 3) Enter "IP Address: Port Number" in the IP Address box in the DVR Setup PC category, enter the user account ID in the User Name box, and enter the user account password in the Password.
 - *) For DVR products, enter "IP address:Watch port:Search port number". Enter the user ID and password in the UserName and Password fields.
 - *) For IDIS Solution Suite, enter "Server Address: Server Port". Enter "service@user ID" in the Username field and the password in Password.
- 4) Select the Stored and Live item as the desired Window item in the Viewing Windows item.

2.2 Command Centre Setting

- 1) Run Command Centre.
- 2) Select the Viewer Configuration button. By clicking New Viewer > Monitor Site Viewer to create Viewer.
- 3) Double-click Camera in Tile Toolbox to create a tile.
- 4) Click the "Click to Configuration" of Camera tile. Select Operator Selected Camera from Source.
- 5) Restart Command Center.
- 6) Click the created Viewer and select the camera by clicking the Find Camera button at the bottom of the camera tile.

2.3 Play




2.3.1 Live play

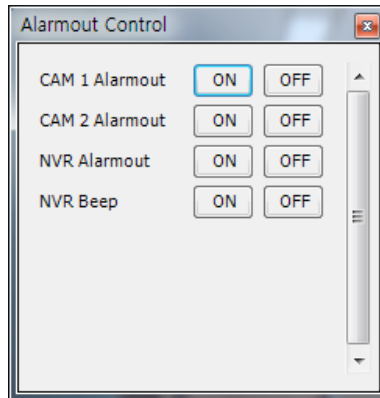


Note) The following Advanced Toolbar menu appears only in windows in Advanced Mode. Unsupported features are disabled.




- ✓ Color : The button is activated when the camera supports the color control function.

-  : Brightness Up/Down
-  : Contrast Up/Down
-  : Saturation Up/Down
-  : Hue Up/Down
-  : Color Default

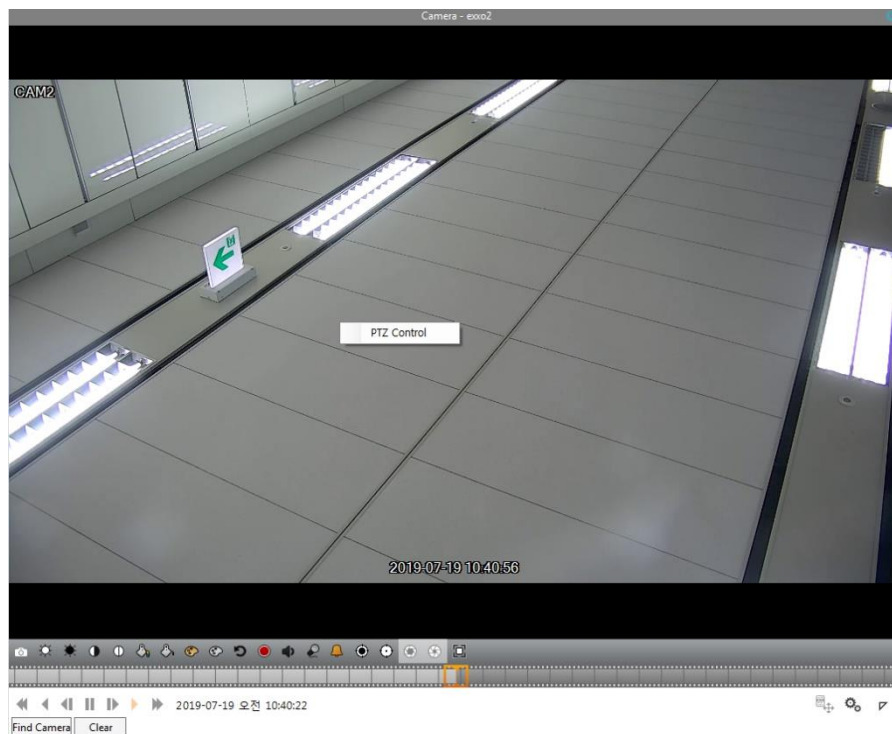
- ✓  Audio : Camera listens
- ✓  Speak : Camera speaks
- ✓  Alarm-Out : Alarm Out Setting



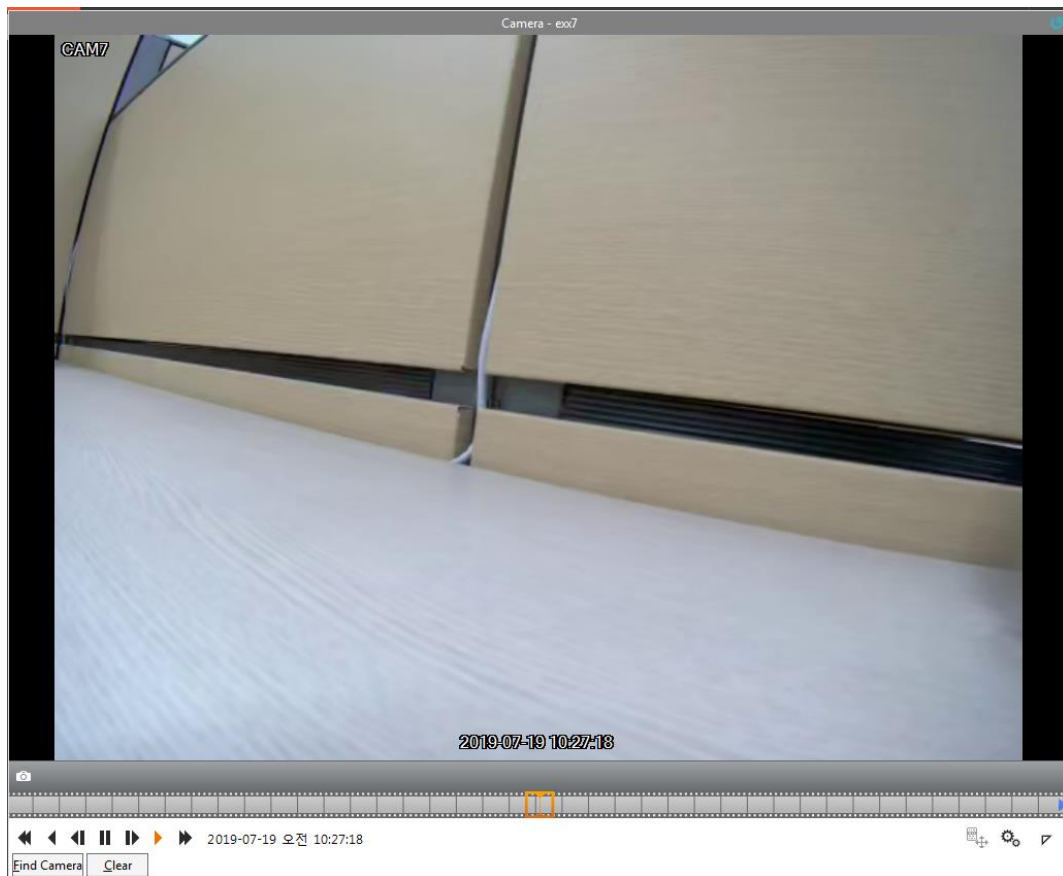
✓ PTZ : The button is activated if the camera supports PTZ control..

-  : Focus Near/Far
-  : Iris Open/Close
-  : Auto Focus
- PTZ direction, Zoom control

: After selecting the screen, select the PTZ Control menu on the right-clicking menu. When the mouse cursor stays on the selected screen area, it changes to the PTZ control shape. Click the mouse with the changed cursor to move the scene to the left / right / up/ down. You can also zoom in / out by moving the mouse wheel up and down.



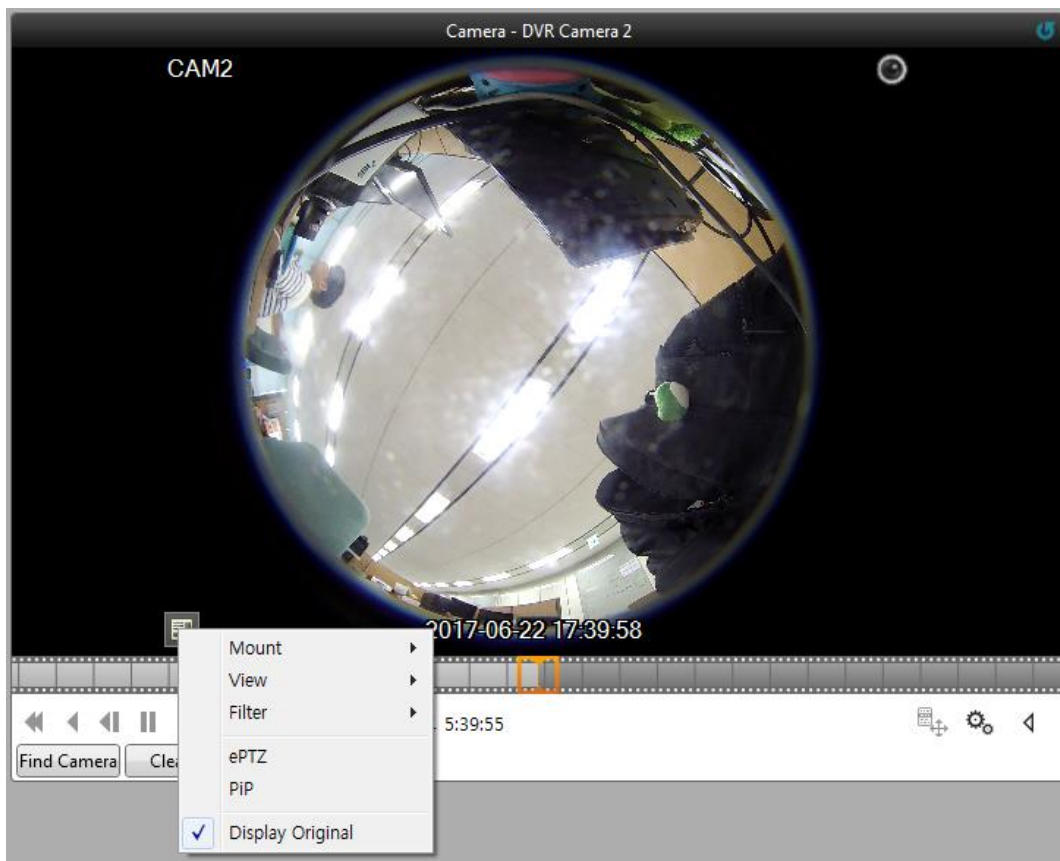
2.3.2 Stored play



- ✓ Thumbnail : Show the recording information of the camera. Click on a specific time to move to that time.
- ✓ Calendar : Selecting a date displays the recording data for that date.
- ✓ ◀ : Fast Rewind / ▶ : Fast Forward
When pres it repeatedly, the speed changes to x2, x4, x8, x16, x32, x1.
- ✓ ◀◀ : Prev / ▶▶ : Next
- ✓ ▶ : Play / ⏸ : Stop

2.3.3 Control Fisheye camera

: If the camera is a Fisheye camera, the Fisheye menu button is displayed at the bottom left.



- ✓ Mount : Set the camera mount type. Auto/Wall/Ceiling/Desktop
- ✓ View : Set the camera view mode. Single/Quad/Panoramic
- ✓ Filter : Set the camera image filter. Nearest/Linear/Cubic/Linear, NN on PTZ(Nearest on ePTZ)
- ✓ ePTZ : Zoom / Pan / Tilt the Fisheye Camera using the mouse.
 - Right click + move mouse: Zoom In / Out
 - Mouse left click + mouse move: Pan / Tilt
 - Mouse Wheel Up / Down: Zoom In / Out
- ✓ PiP : Display the position of the currently displayed image in the original image.
 - All ePTZs are also applied within the PiP area.
- ✓ Display Original : Display the video as a camera original image.

3 Limitations:

- ✓ Depending on the camera resolution, the maximum number of accessible cameras is limited. If the total resolution value of the connected cameras exceeds 16 megapixels, the message “All Video decoders are in use. Please close some cameras and try again.” is shown on the screen. Fisheye cameras are resource intensive, it uses twice the resolution of the camera. Camera resolution is divided according to the resolution horizontal and vertical size as following:

8 mega(3264x2448 higher)
 5 mega(2560x1920 higher)

- 4 mega(2240x1680 higher)
- 3 mega(2304x1296 higher)
- 2 mega(1600x1200 higher)
- 1 mega(1280x 720 higher)
- 0.5 mega (lower)

- ✓ The 30 seconds timeout is set when the camera is first connected. If the connection or disconnection takes a long time when the camera is connected, the UI does not operate as long as the timeout time.
- ✓ When sending a Callback Event, if it is a device event, it is displayed in the alarm viewer only when camera number 1 of the device is added.
- ✓ For IDIS Solution Suite, only one site can be registered. If more than two locations are registered, it will behave abnormally.
- ✓ For IDIS Solution Suites, Instant Recording is not supported.
- ✓ Proxy Mode is not officially supported in version 1.5.0 due to Gallagher 8.3 compatibility issues.
- ✓ For the high resolution cameras, the video may slow down when play the Live or Record.

(E.g. based on 8ip pixel camera 30ips)

- Live: 11ips / Fisheye De-warping Live: 9ips
- Record: 13ips / Fisheye De-warping Record: 12ips

Version History

Version	Writer	Revision Date	Remarks
1.0	Glen Oh	Sep 10 th 2018	Initial Release
2.0	Suji Park	Aug 14 th 2019	Version update
3.0	Jungsoo Yoon	Sep 14 th 2020	Version update