exacqVision

exacqVision

25H1 Release Bulletin

Johnson Controls

Contents

25H1 Feature List

Feature	Brief Overview
Scheduled Exports	Video exports can now be scheduled at a time that suits the user – for example overnight when the network traffic is minimal.
Persistent Event Monitoring	Persistent Event Monitoring allows users to ensure that event monitoring persists, even if the Client is closed, providing continuous surveillance and notifications of events.
Mobile App Enhancements	Various enhancements have been included in the new exacq Mobile App release, including Video Push, Monitoring mode, Audio in Focus view and a tablet friendly UI.
Edge Cloud Archiving	Support has been added in exacqVision 25H1 for archiving from Edge cameras to Amazon S3 or Wasabi target.
Illustra Audio AI with exacqVision	Support has been added for Illustra Audio AI.
Illustra Tripwire with exacqVision	Support has been added for Illustra Tripwire.
Hanwha Intercom Integration	Support has been added for the Hanwha TID-600R.
Enhanced View Management	Users can now assign a view to multiple users or multiple user roles.
AI Metadata Enhancements	25H1 includes improvements on how AI metadata from cameras is stored.
Enterprise Manager Performance Improvements	25H1 introduces substantial performance improvements to Enterprise Manager.

Scheduled Exports

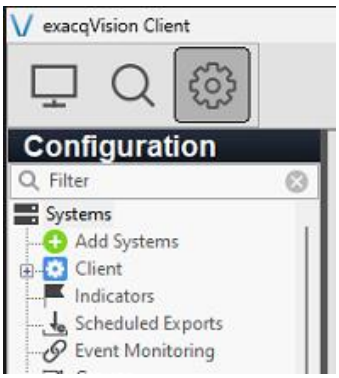
Tutorial Video: Scheduled Exports

This feature included in exacqVision Client 25H1 allows the user streamline the video exporting process by exporting video footage at a scheduled time – for example overnight when the network traffic is minimal.

exacqVision allows the user to export video for sharing from it's search interface. The video from one or more cameras is downloaded on to the user's PC. Depending on the network bandwidth between the PC and the NVRs, the download speed will be impacted. The download of potentially high-volume video data can also interfere with other systems sharing the customer's network. This situation is exasperated when the connection to NVRs is remote, spanning distant locations or sometimes even across multiple nations.

With this feature, users can schedule one or more video exports to occur at a future date and time. By planning these exports during off-peak hours or late at night/early morning, the video downloads can take place when network traffic is minimal and the system isn't burdened by daily business activity.

A new option has been added to the exacqVision Client Configuration tree menu – **Scheduled Exports**.



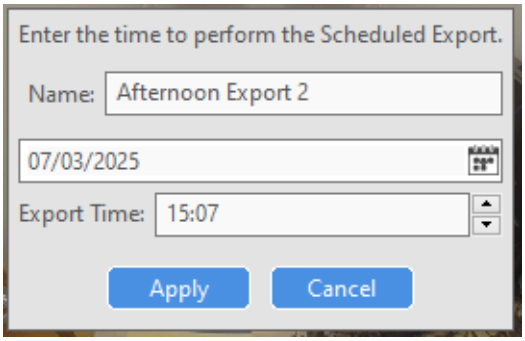
1. To utilize this feature, navigate to the **Search Page** and set a start and end time for the video footage that you want to export.
2. Select the new **Download and Export Video (Scheduled)** icon,  .

> **Information**
>
> A maximum of 16 metadata sources can be exported.

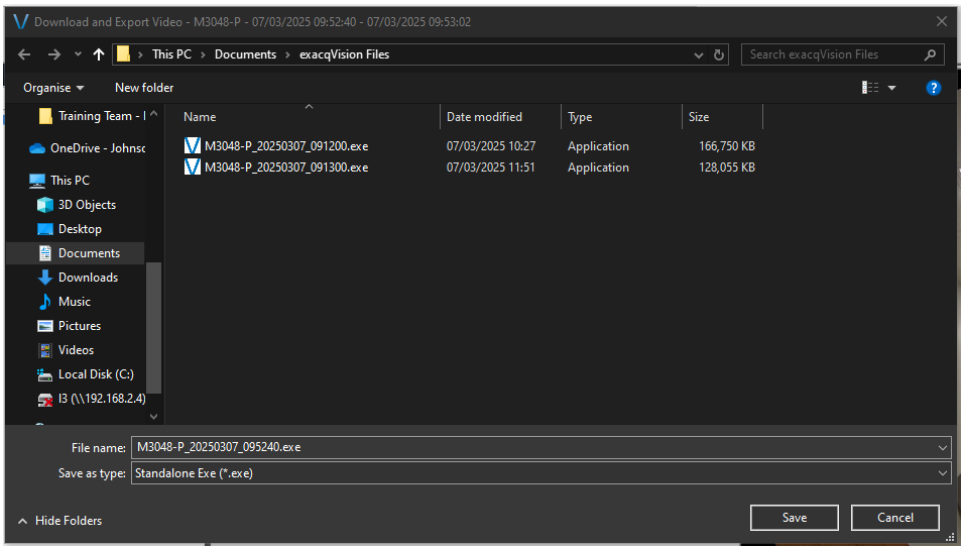
3. Configure a *Name, Date* and *Export Time* for the scheduled export and click **Apply**.

Quick Tip

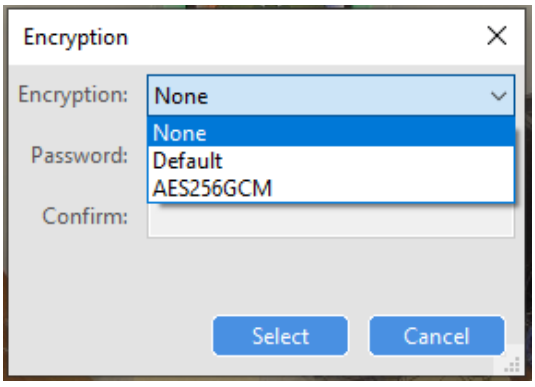
Name is not a required field and the name does not have to be unique so you can leave this blank if you wish.



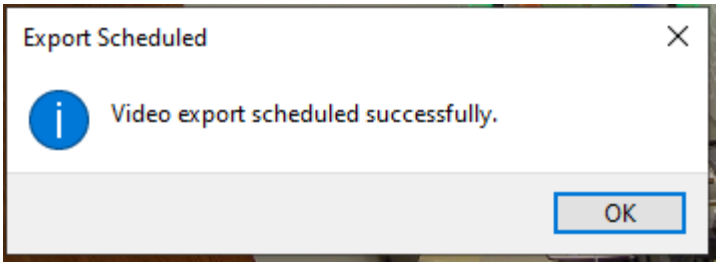
4. Select a location to save the export and click **Save**.



5. (Optional) You can configure Encryption if required.



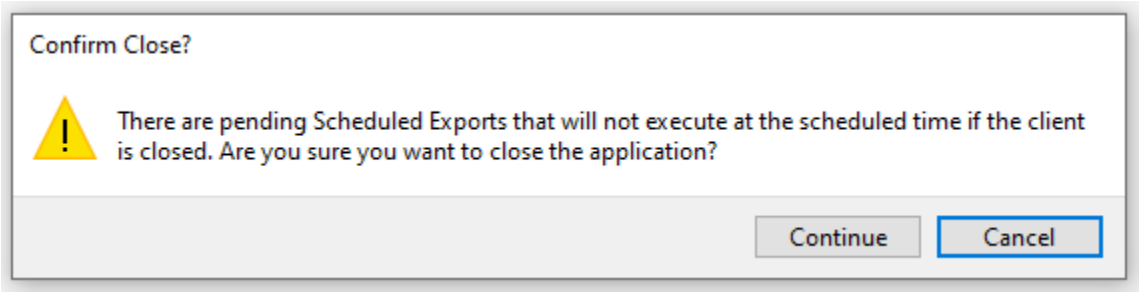
6. Click **OK**.



7. Navigate to the **Configuration** page and select the new **Scheduled Exports** option. The export that you just configured will be displayed as *Pending*.

Quick Tip

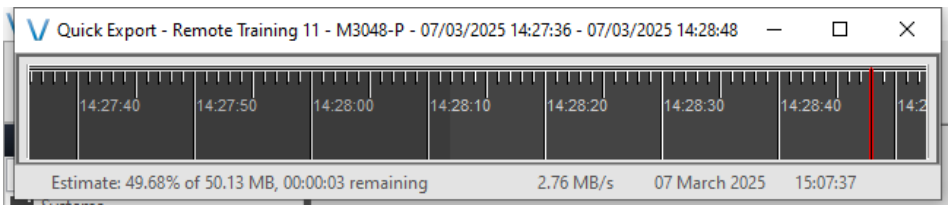
The Client needs to be active in order for the export to happen at the specified time. If you try to exit the Client, you will get a warning message.



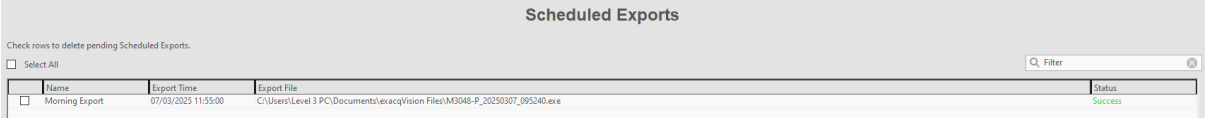
Information

The Scheduled Exports list is saved for 30 days after completion – if you close and reopen the client, the list will remain and the system will attempt any exports that are Pending.

8. Once the export starts, the popup below will be displayed.

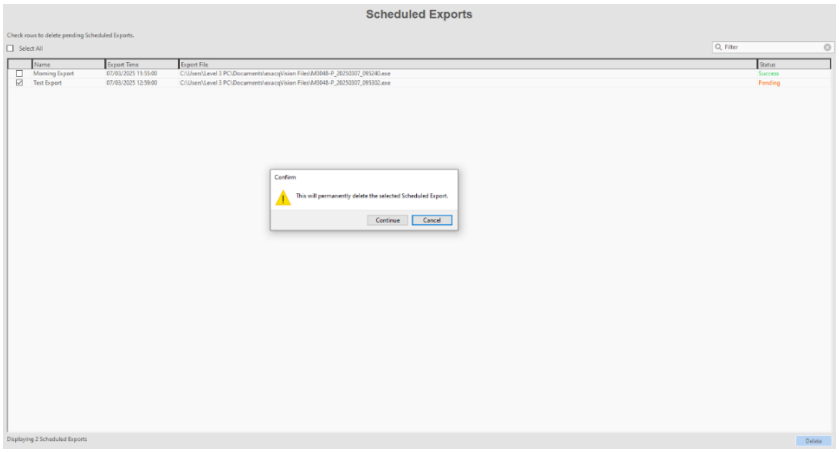


9. Once the export has completed, a green success message will be displayed.

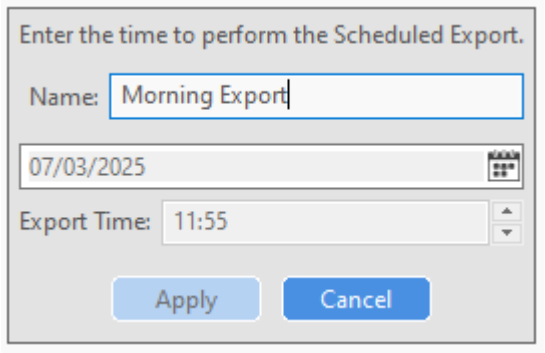


Additional Information

- You can sort the grid to organize the data as you like by clicking on the column headers.
- If you need to delete a pending export, just highlight the checkbox and click the Delete button in the bottom right corner. This will remove the task but won't delete the export itself.



- If something goes wrong and a failure occurs, an error code will be recorded in the logs. You can double-click on a pending row to rename the export, or on a failed row to reschedule the failed export.



Persistent Event Monitoring

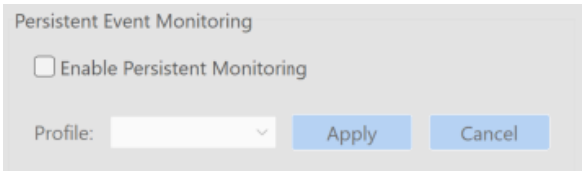
Tutorial Video: Persistent Event Monitoring

The Persistent Event Monitoring feature in exacqVision Client 25H1 allows users to ensure that event monitoring persists, even if the Client is closed, providing continuous surveillance and notifications of events. The Event monitoring feature in exacqVision has over many years provided a flexible way to bring in situation awareness for the live monitoring use case. It depends on the user of the client application to be on the specific event monitor of choice to receive camera view changes on event triggers.

Evolving our user experience around event monitoring, we introduced a new selectable state of persistence that allows the user to intentionally keep an event monitor profile always in view no matter where the user has navigated in the desktop client user interface or closed it completely.

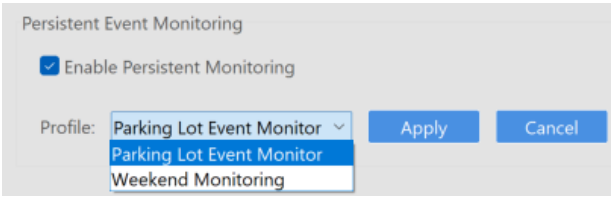
With this new release, a single event monitor can be marked as 'Persistent'. This designation then enables the software to always pull up the cameras of interest on the screen, even if the user is on a different client page or even has closed the client completely. These mission critical events of crucial importance are made visible for early action and resolution.

On the Client settings page, a new section is available for *Persistent Event Monitoring*.



The Profile dropdown, Appy and Cancel buttons are greyed out until the user checks the Enable Persistent Monitoring checkbox.

Once the **Enable Persistent Monitoring** checkbox is ticked, you can select the **Profile** from the dropdown that best suits your monitoring needs.



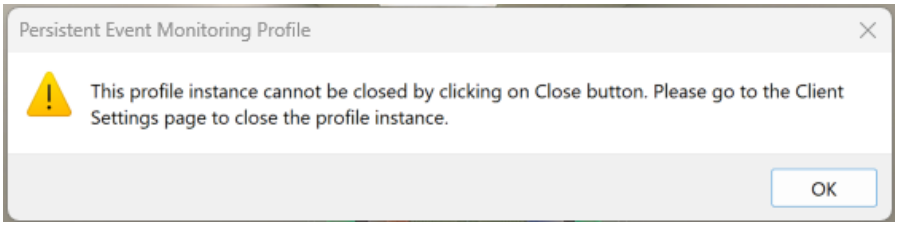
Click the **Apply** button to save your settings.

If enable is checked for the first time, the persistent monitoring profile is started. If a new drop down has been selected, the previous Persistent Monitoring profile is

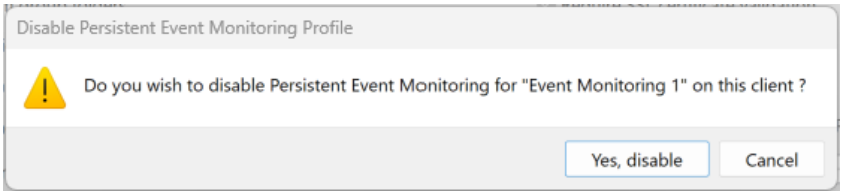
stopped, and the new one is started or the currently open one is changed to the new profile.

The Persistent Event Monitor will unminimize when an event is triggered, ensuring you don't miss any notifications.

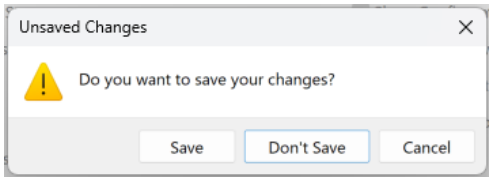
This monitor will persist even if the Client is closed and an information message will be displayed if you attempt to close the event monitor.



When unchecking the Enable Persistent Monitoring checkbox, a popup is shown with an information message for the user.



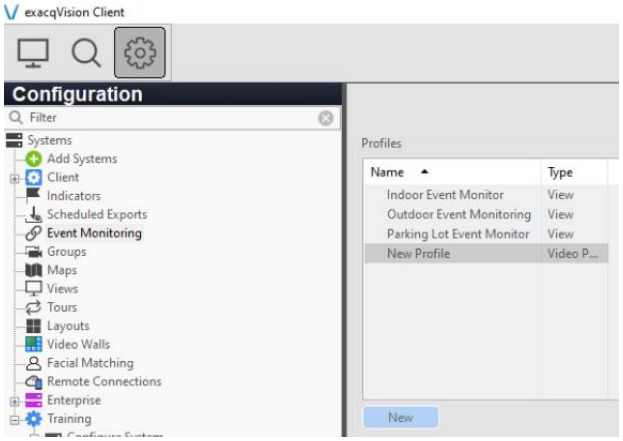
If a user modifies any of the Persistent Event Monitoring settings and then navigates away before clicking *Apply*, an Unsaved Changes popup is displayed with options to Save, Don't Save or Cancel.



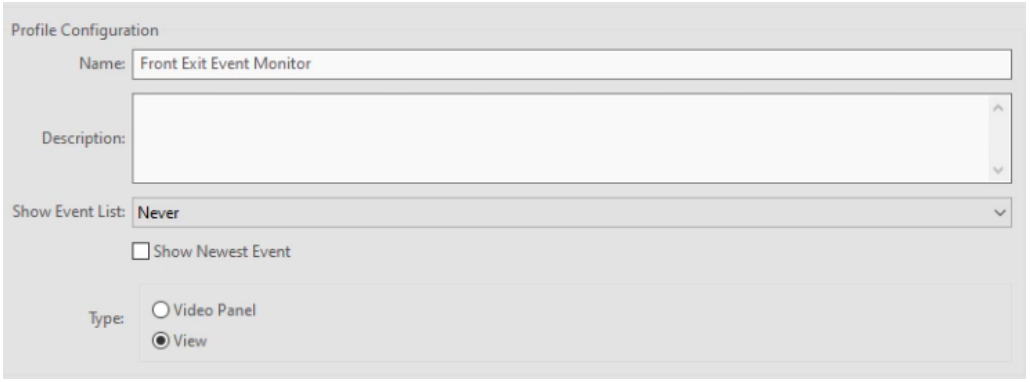
By enabling Persistent Event Monitoring in exacqVision Client, you can ensure continuous surveillance and stay informed about important events without interruption.

Creating a new Event Monitoring Profile

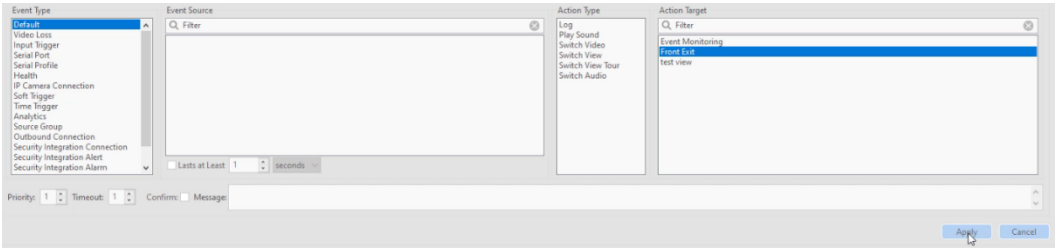
1. To create a new Event Monitoring profile, navigate to the **Event Monitoring** node and select the **New** button.



2. Enter a **Name** for the profile and configure the settings as required. For this example, I'm going to call it *Front Exit Event Monitor*.



Configure the settings as required, in this example I'm going to select Default from the Event Type section and Switch View as my Action Type. I have a view configured already for the Front Exit so I'm going to select that as my Action Target.



Once you are happy with your configuration, select the **Apply** button.

Now you can navigate back to the Client node and select your new Event Monitoring profile from the drop down list. The Persistent Event Monitor screen will update with your new view.

Mobile App Enhancements

Tutorial Video: Video Push

Video Push

Various enhancements have been included in the new exacq Mobile App release, including Video Push, Monitoring mode, Audio in Focus view and a tablet friendly UI.

As part of an ongoing effort to improve collaboration between users of the desktop client and the new exacqVision Mobile app, an enhanced VideoPush feature has been implemented.

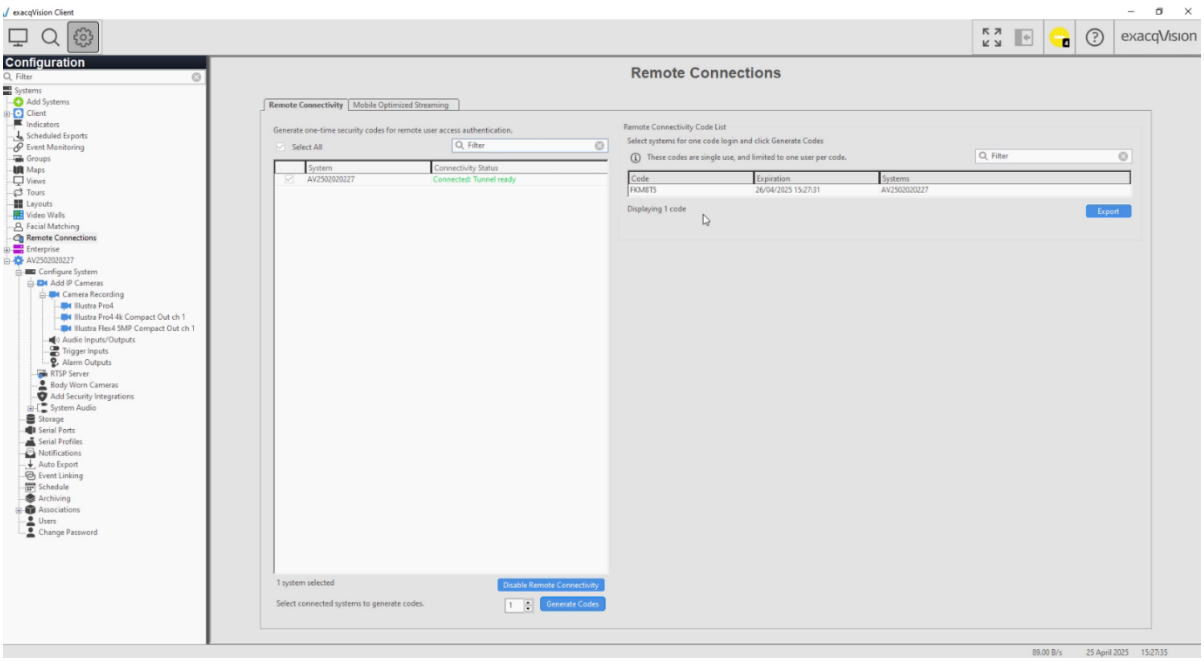
VideoPush is an existing exacqVision feature that enables operators to share cameras and views between the exacqVision Client, mobile app, and video walls. This makes it easy for operators to collaborate during incident investigations and critical response scenarios. For example, an operator in a SOC environment observing suspicious activity on a parking lot camera could send that live video to a security guard's mobile app directly from the exacqVision Client.

Until now, only exacqVision Client and legacy Exacq Mobile users could take advantage of the VideoPush feature, as it was not supported in exacqVision Mobile.

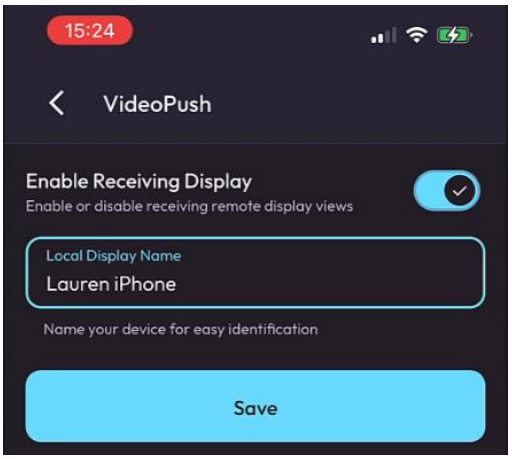
With exacqVision 25H1, users of the new exacqVision Mobile app can now leverage VideoPush to share live video between desktop and mobile clients, as well as video walls.

In today's fast-paced environment, effective communication is essential. The Video Push feature allows users to seamlessly send cameras and views to exacqVision Client and video walls. With the release of exacqVision 25H1, users of the exacqVision Mobile App can now leverage the Video Push feature to send and receive live cameras. Imagine being able to share crucial information instantly with your team, whether in the office or on the go.

To utilize the Video Push feature, first ensure that your Remote Connections are configured on your exacqVision Client. This step is crucial for enabling communication between the devices.



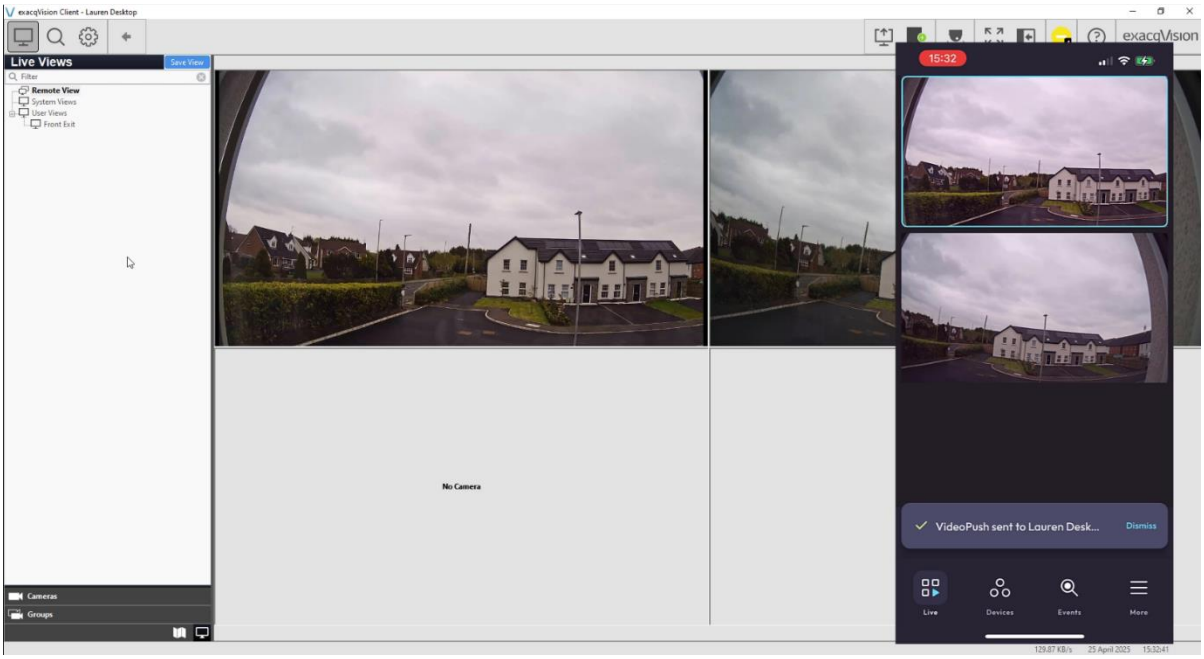
To get started, open the exacqVision Mobile App and navigate to **More > Settings > Video Push**. From here you can configure the **Display Name** that will be shown when using the video push feature on exacqVision Client. This should be something meaningful to identify the device. The app is now ready to send and receive requests.



<u>Scenario 1: Sending cameras from exacqVision Mobile app to exacqVision desktop Client</u>

In exacqVision mobile, select the content menu and select the Video Push option. A list of available desktop and mobile clients will be displayed. Select the required option and select the **Share with 1 Client button** at the bottom of the screen. You can add multiple clients if required.

Immediately, the camera view is displayed on the desktop client and a success message is displayed on the mobile app.

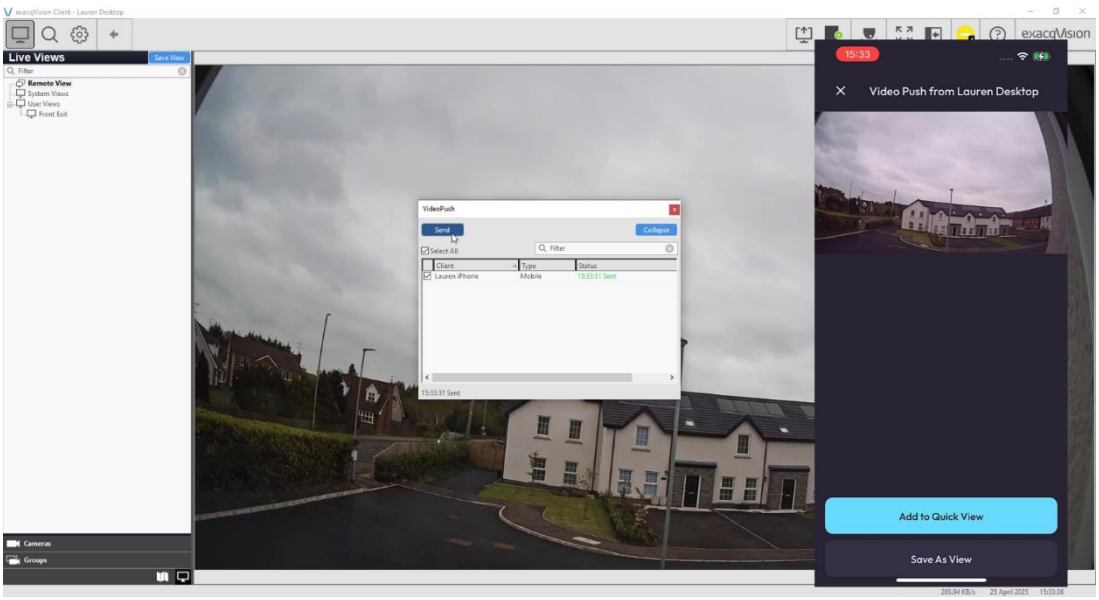


Scenario 2: Sending cameras from exacqVision desktop to exacqVision Mobile

This procedure would be used if a user is monitoring a selection of cameras on the desktop client and wants to send those cameras to an operator on a mobile device.

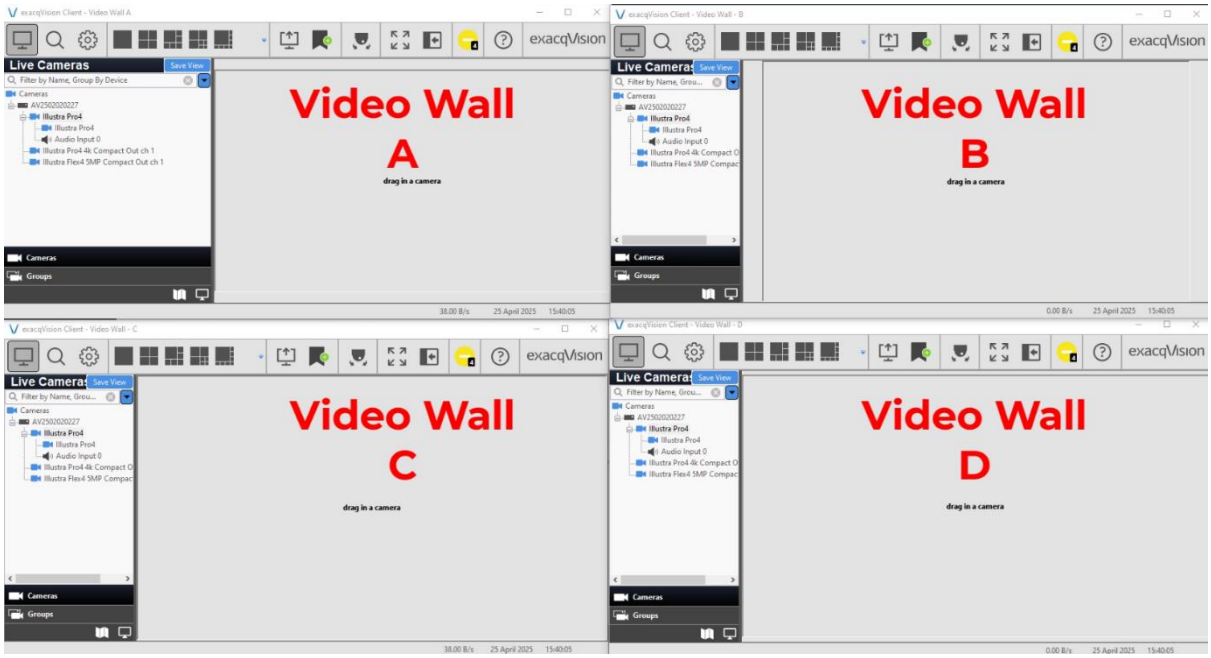
In exacqVision Client, select the **Video Push** option from the top right menu bar. Select the required option from the Client list and click the **Send** button.

The mobile app operator receives a popup notification, once they accept the notification, the cameras will be displayed. The operator has the option to save as a new view or add to the quick view page.



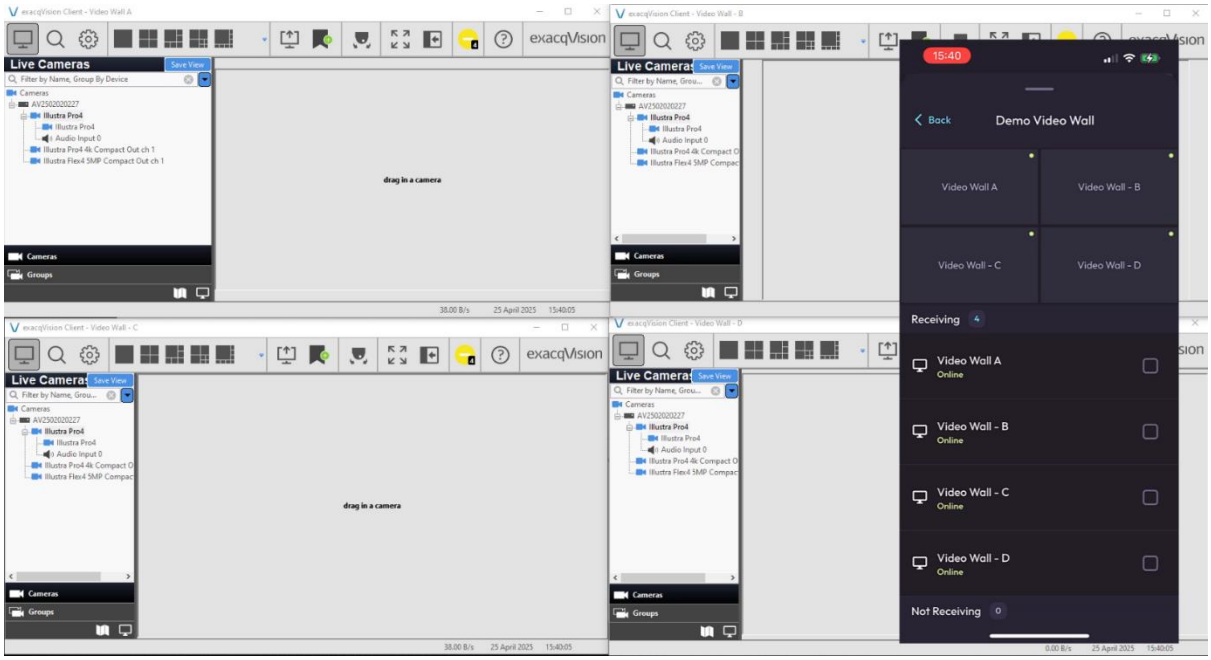
Scenario 3: Send cameras to a Video Wall using exacqVision Mobile

In the illustrations below, I have 4 exacqVision clients open on my desktop to emulate a video wall with clients named Video Wall A, B, C and D. Think of each client as a separate display monitor in a real life scenario.

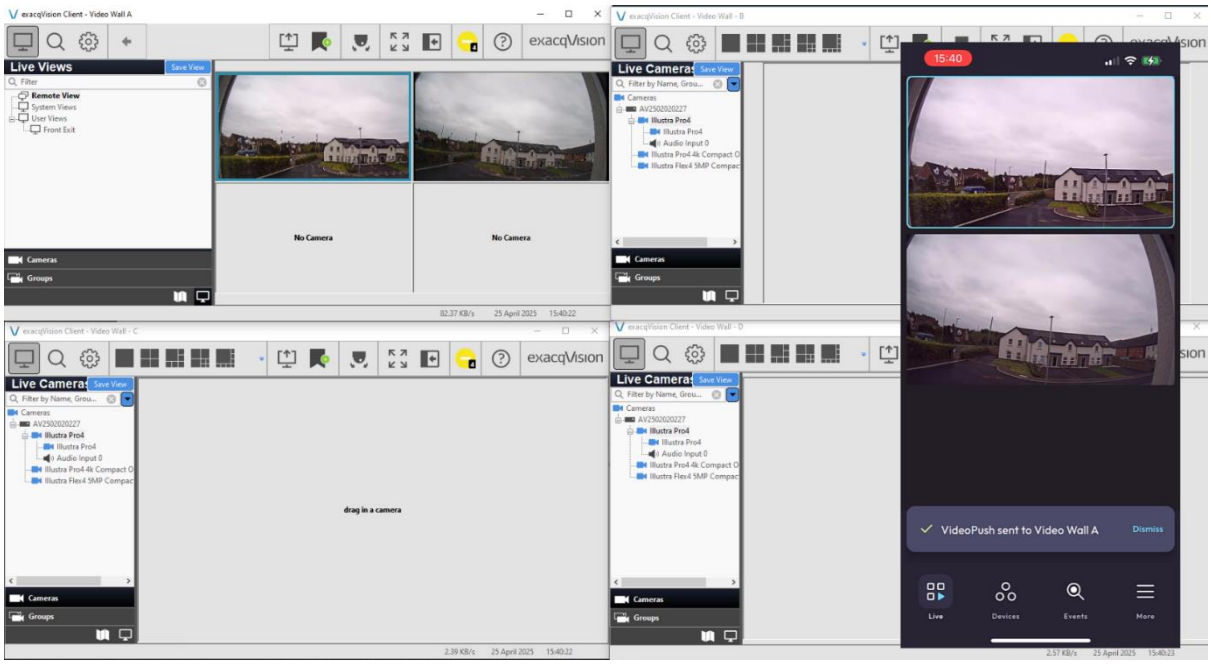


In exacqVision Mobile, select the context menu and select the **Video Push** option. Select the **Video Walls** tab and click on the **Demo Video Wall** option.

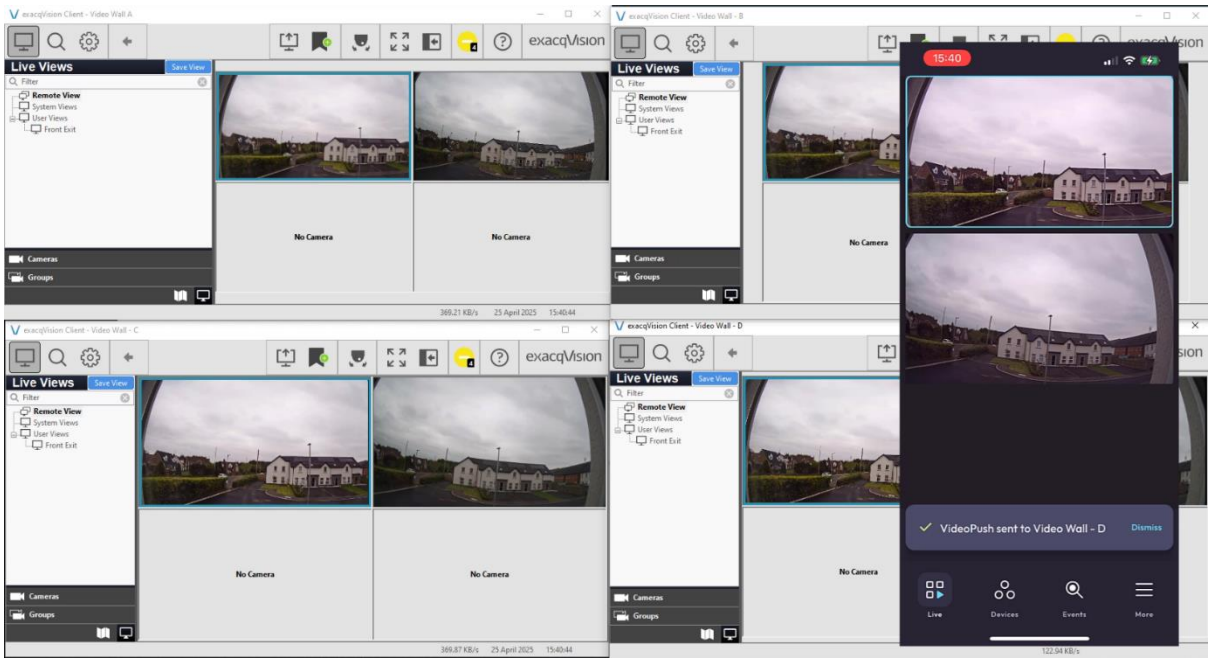
A graphical layout of the monitor display is shown. Select the Video Wall A checkbox and tap the share with 1 client button.



The first video wall client will start to pull up the live view of the cameras.



I can repeat the same process to send cameras to the other 3 video wall displays. The video walls will start to pull up those cameras.



For operators on the go, this is a really useful feature for sharing live video across multiple clients.

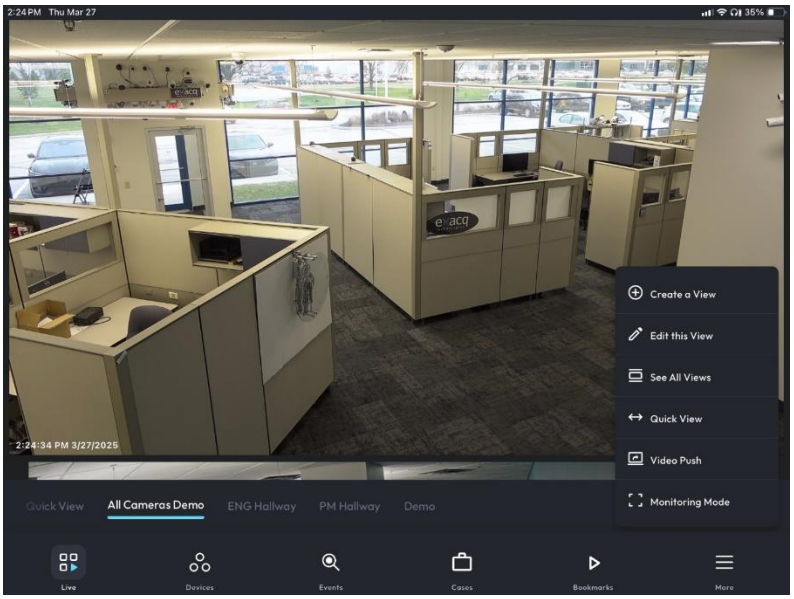
By following these steps, you can efficiently utilize the Video Push feature in exacqVision Mobile to enhance your team's communication and collaboration. This feature not only simplifies the process of sharing views but also allows for real-time interaction, making your security operations more effective. Start leveraging Video Push today to take full advantage of your exacqVision experience.

New Monitoring Mode

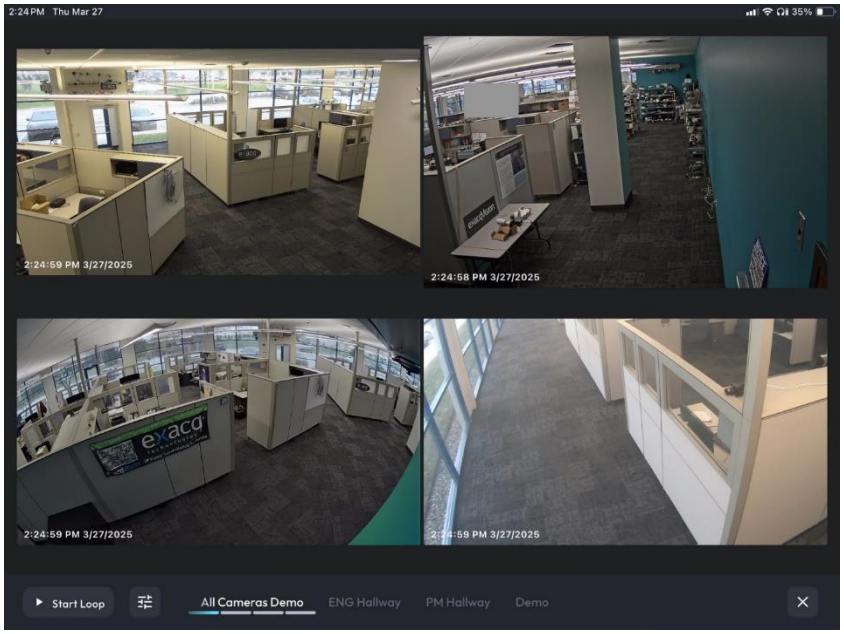
As part of exacqVision Mobile's modernized user experience, live cameras are displayed in a vertically scrollable list. This ensures users are seeing the largest image possible while still making it easy to monitor many cameras on a server. However, this presents a challenge for certain tablet users who want to leverage their larger screen size to monitor multiple cameras on a single page. For these users, scrolling a single camera at a time is an ineffective way to monitor video across their systems.

Monitoring Mode is a new exacqVision Mobile feature that enables tablet users to passively monitor multiple cameras and views from a single live page. They can also tour through multiple pages of cameras on a preset timer, allowing for hands-free video monitoring on the go.

Enter **Monitoring Mode** from a tablet by selecting it from the Live page context menu.



Once in Monitoring Mode, users can customize their layout and dwell time by tapping the icon on the bottom left of the screen. Users can choose between a 2x2, a 3x3, or a 4x4 layout and they can set any dwell time between 1 second and 1 hour.



After editing their Monitoring Mode preferences, the operator presses **Start Loop** to begin monitoring. exacqVision Mobile will automatically start cycling through the active Views on the Live page, making it easy for security professionals to monitor video from multiple cameras and servers at a time.

Edge Cloud Archiving

Support has been added in exacqVision 25H1 for archiving to Amazon S3 or Wasabi target.

exacqVision Edge brings the comprehensive capabilities of a VMS to a supported camera, enabling camera-only installs. exacqVision Edge solution avoids the need to have an NVR on premise that needs to be deployed and maintained. The video data was vulnerable as it was only stored on SD cards that can fail or the evidence can be removed by someone disposing of the camera or the SD card.

With this release, customers can easily upload video to the cloud and access video remotely using the mobile application. End users may sometimes lack a fully developed IT or security department to manage on-premises equipment. A camera-only solution, combined with remote access and cloud storage capabilities, enables minimum on-prem footprint with remote access to view and search video from anywhere.

Benefit from data redundancy in cloud. The Exacq Wasabi integration is very cost competitive compared to other offerings. Also, customers who leverage Edge for remote stations stand to benefit, and dealers who service them can remotely access video.

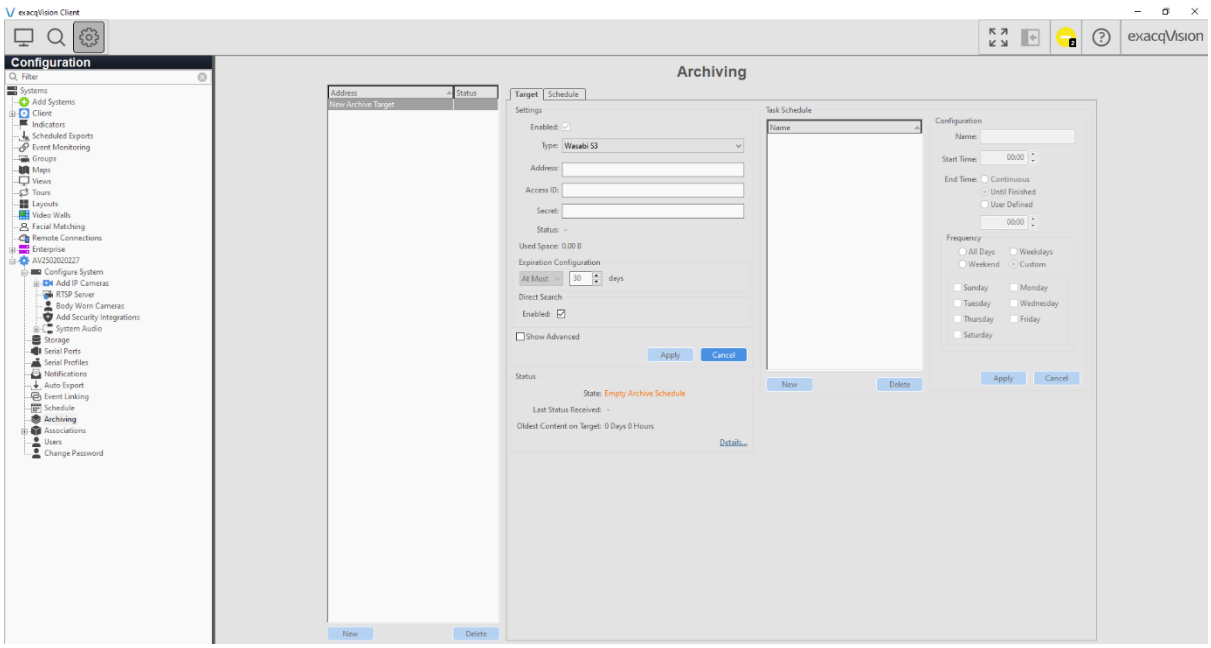
Background Information

exacqVision can archive data to a preconfigured SMB share drive, such as those on an exacqVision S-Series storage server. The Archiving page allows you to configure

exacqVision to back up recorded data for quick retrieval from any client machine using the Search page. Archiving is different from Extended Storage in that a drive used for extended storage is used as if it is a disk installed in the system. New data is written to it and exists in a single place. In archiving, a copy of the data on the exacqVision system is created on the storage target. This acts as a backup to chosen data. In some instances, depending on storage capacity, retention rules, and archiving configuration, the archived data may permit data to be retained further back than on the recording system.

Procedure

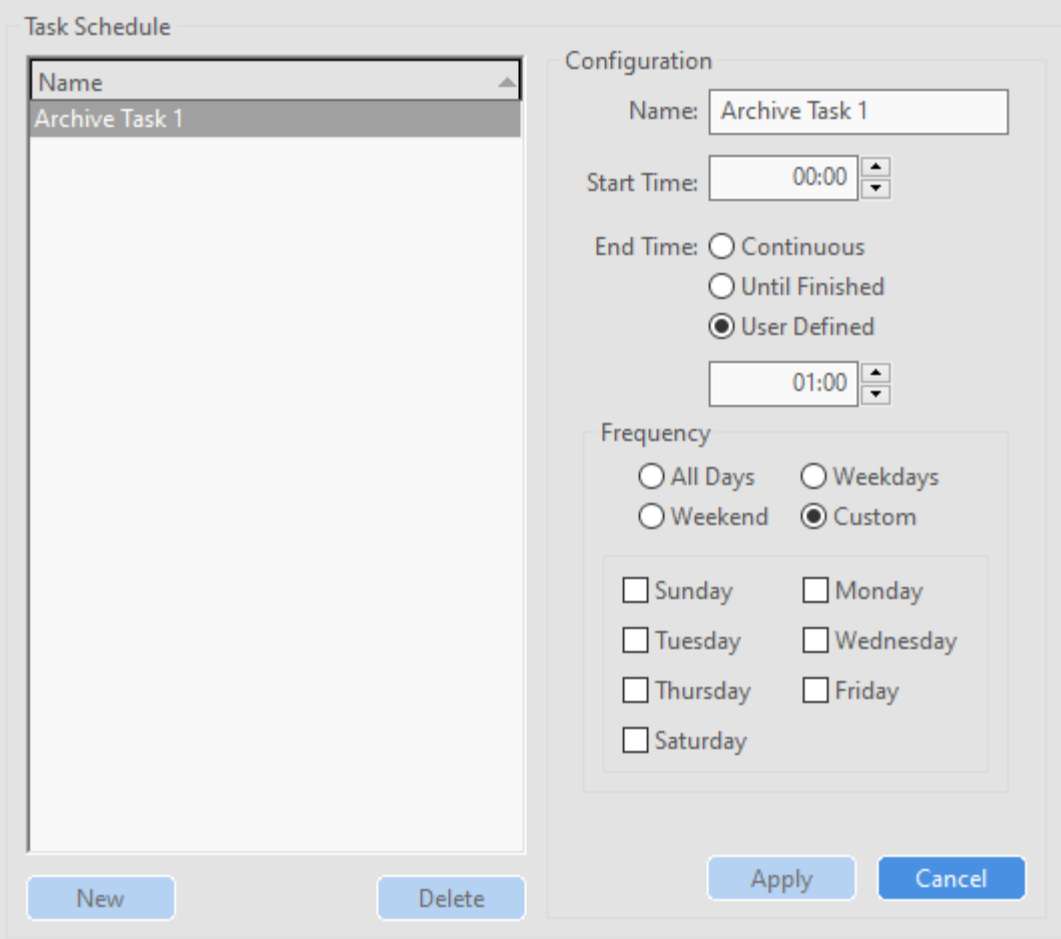
1. On exacqVision Client, navigate to the Storage Node and click the **New** button at the bottom-left corner. Multiple archiving profiles may be created.
2. Select the required option from the **Type** dropdown.
3. Type in the path to the archive target folder in the **Address** textbox.
4. Enter the **Username** and **Password**, if required, to log into the shared network drive.
5. Configure the **Percent To Use** slider as required to configure the amount of space on the drive that should be used for archiving.
6. Configure the **Desired Content Age** setting as required. If you were to set the desired content age to 60 days and the oldest content on the archive drive is 55 days, the system would trigger an alarm.
7. Configure the **Expiration Configuration** setting as required. Archiving provides an *At Most* expiration configuration similar to that on the Storage page for adhering to local regulations if needed.
8. Configure **Direct Search** settings if required. This feature allows client workstations to connect directly to the archive, but they must have a direct network path to reach the archive. This can potentially speed up video downloads, reduce network bandwidth usage when searching, or enable archive video to be searched even if the recording Exacq server is offline.
9. Once you are happy with your configuration, click the **Apply** button to save your changes.



Configure the Archive Task

The archive target defines **where** the archive data will be located while the archive task tells the system **when** to begin archiving the data.

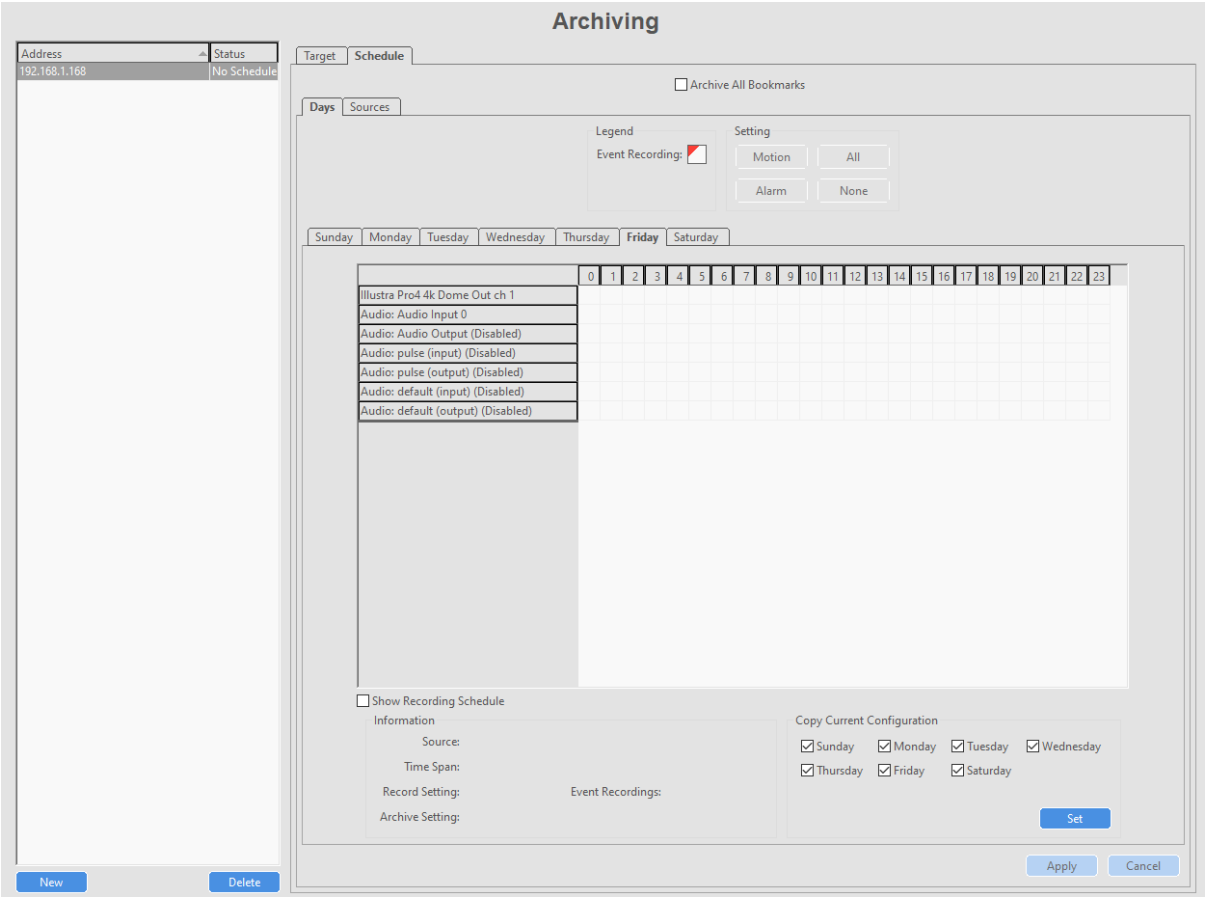
1. Navigate to the Storage Node, click the **New** button and enter a **Name** for the configuration.
2. Configure a **Start Time**.
3. Select an **End Time**.
    - **Continuous:** will tell the system to scan for new data to be archived every 5 minutes
    - **Until Finished:** Select this option if you want the archiving task to run until no new data is found and then stop until the next scheduled time period
    - **User Defined:** This option allows you to set a stop time even if it has not completed archiving all data. This can be useful if you must free up system or network resources during certain times of the day.
4. If you select *Until Finished* or *User Defined* you'll be able to set the **Frequency** of the specific days you wish the archiving to run.
5. Once you are happy with your configuration, select the **Apply** button.



Configure the Specific Data to Archive

With both the archive target and tasks done you will now select the specific data you want to archive.

1. Navigate to the **Schedule** tab.
2. On the **Days** tab, highlight the sources you wish to configure. Clicking the green *All* button will set all selected sources to archive all data.
3. Click on **Set** to apply this configuration to all days and click **Apply**.
4. You can also view the schedule options by selecting the **Sources** tab.
5. Select a camera then select the boxes for the days and times you want to archive. You can combine different settings for different days and hours.
6. Once you are happy with your configuration, click the **Apply** button.



Illustra Audio AI with exacqVision

Tutorial Video: Illustra Audio AI with exacqVision

Support has been added for Illustra Audio AI with exacqVision. exacqVision continues to prioritize integrating with AI features offered from camera vendors. Audio analytics is a feature that we are introducing from our Illustra camera line alongside the support from exacqVision VMS.

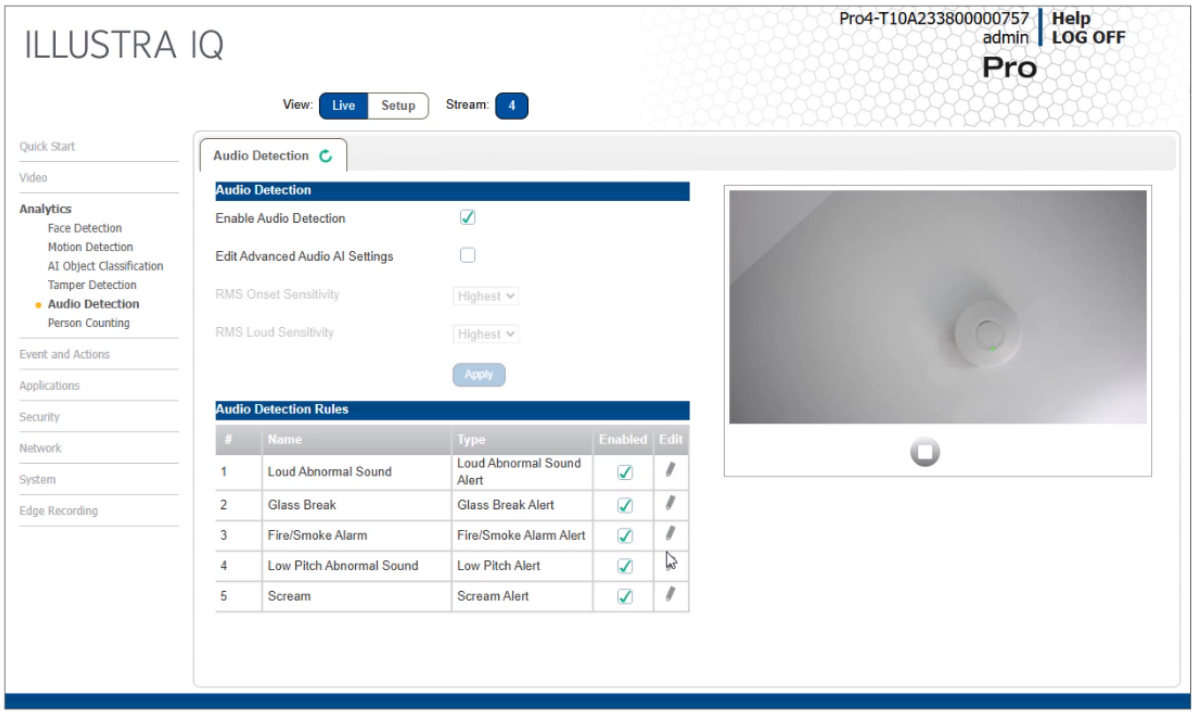
Audio analytics in the Illustra AI cameras allow for actionable insights with the ability to detect glass break, scream, shatter and generate responses to volume changes in real time. Users can also search for key events that might have happened as part of an incident investigation.

Configuration of the audio analytics is on the camera webpage and once the rules are configured correctly will reflect as below in the live analytics page and show up when searching for audio events.

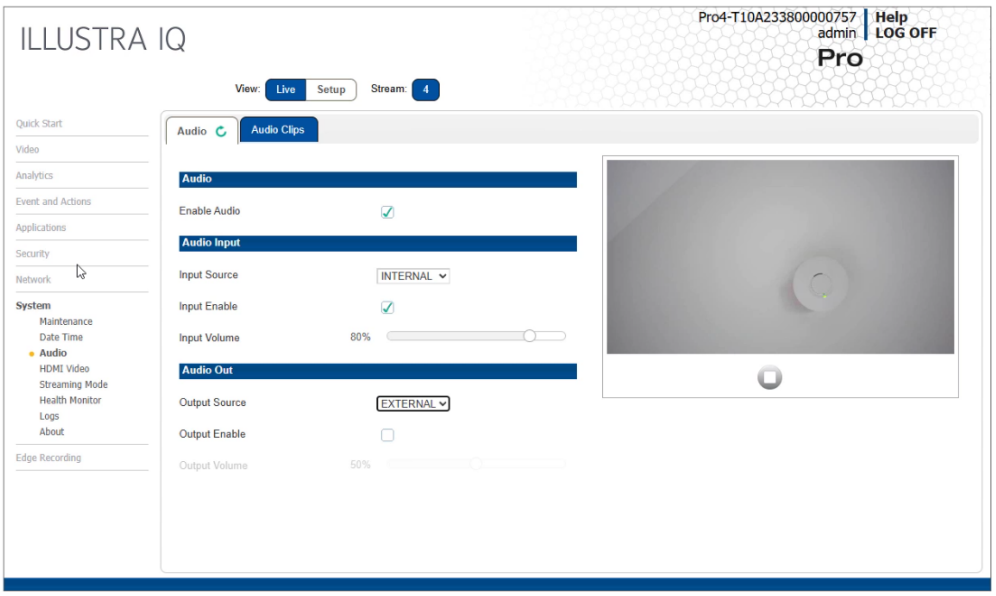
> **Information**
>
> You must have 25H1 installed on your exacqVision Server and Client and the latest firmware version installed on your Illustra Pro camera.

1. Navigate to the Illustra camera interface and select **Setup > Analytics**.
2. Select the **Audio Detection** option and ensure that the **Enable Audio Detection** checkbox is selected. There are 5 types of audio that can be detected - Loud Abnormal Sound, Glass Break, Fire or smoke alarm, low pitch and scream.

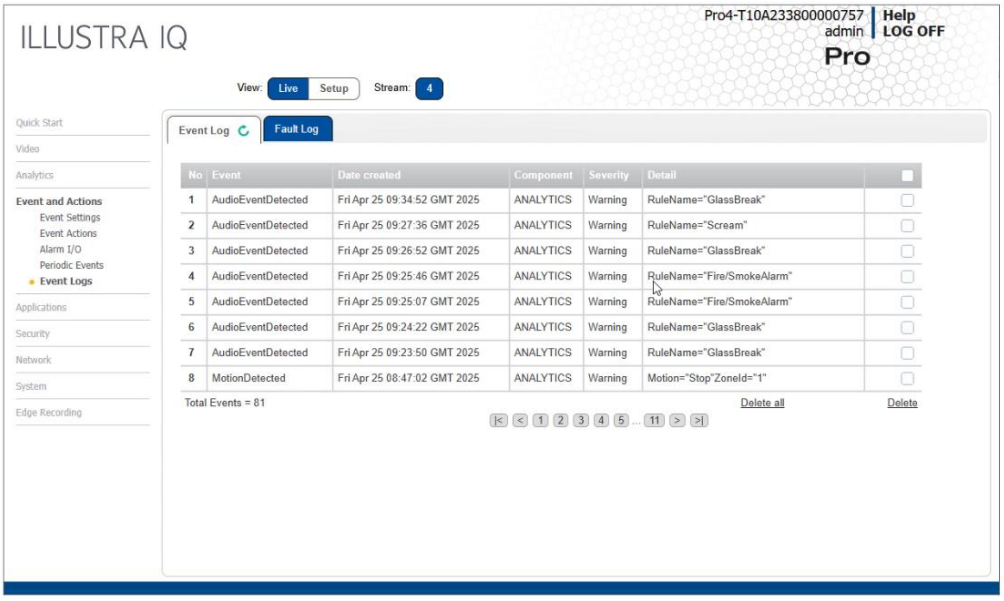
> **Information**
>
> You cannot configure the confidence settings for Loud Abnormal sound - it will always be set to 100%, you can configure the other audio types confidence level between 40 and 99 percent.



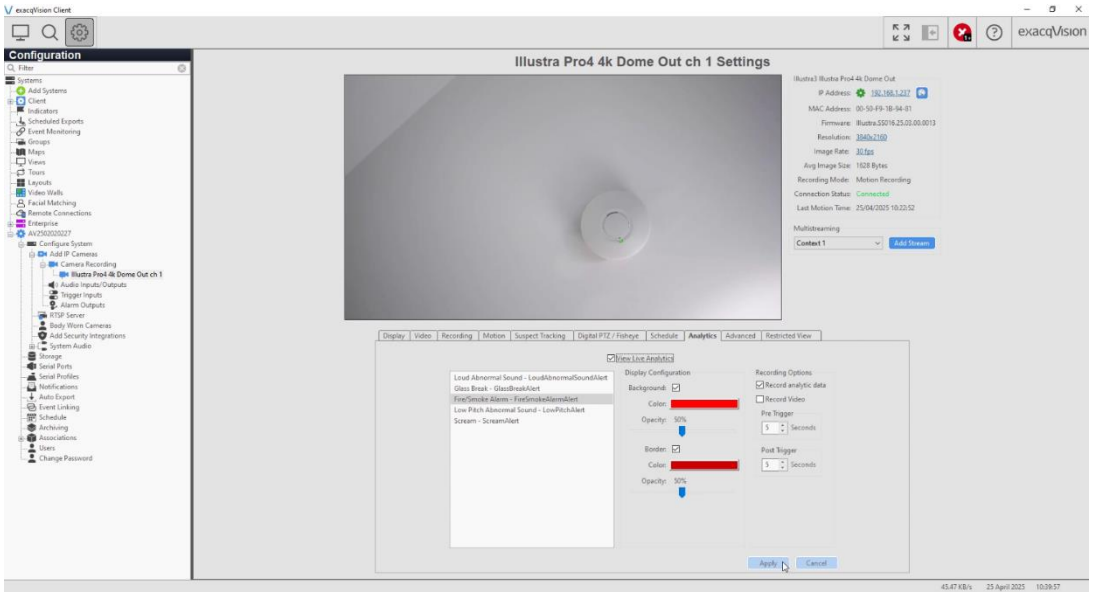
3. Navigate to **System > Audio** to configure the Input and Output source for the camera. For this feature to work seamlessly, an external microphone is recommended.



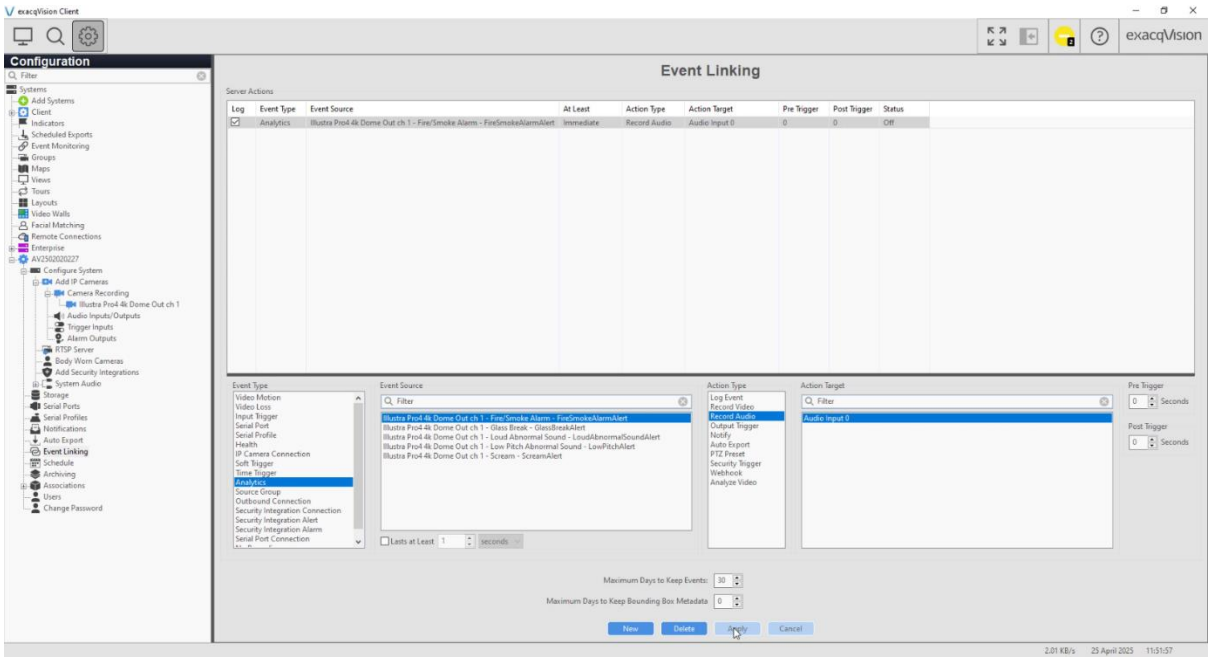
4. Navigate to **Events and Actions > Event Logs** to check that audio events are being triggered.



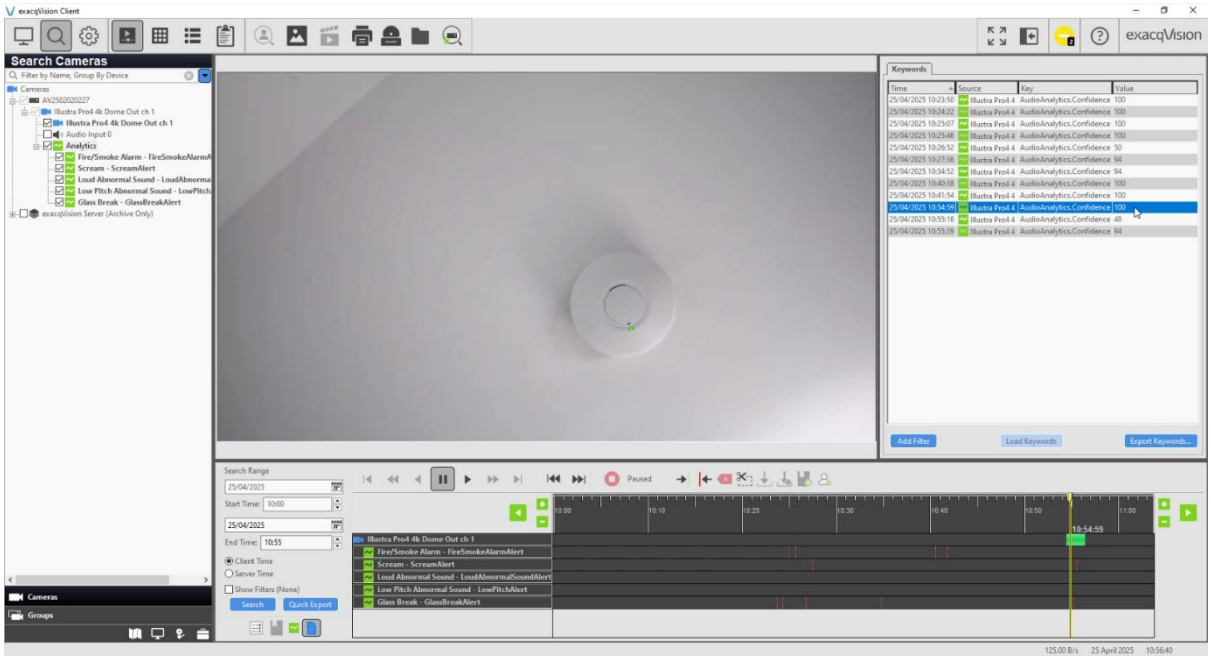
5. In exacqVision Client, navigate to the camera and ensure that the **Analytics** tab is displayed and the new audio analytics are displayed. If this is not displayed, you may need to disable and re-enable the camera from the Add IP Camera page. You can configure the colour of the analytic hitbox and any other settings as required.



6. Navigate to **Event Linking** and click the **New** button. From the *Event Type* section, select the *Analytics* option. Select the *Fire/Smoke Alarm* option from the Event Source section. Select the *Record Audio* option from the *Action Type* event section. Select the *Audio Out* option from the *Action Target* section and click the **Apply** button. An event will now be triggered when the audio analytic is triggered.



7. You can also navigate to the **Search** page and search for when the audio analytic events were activated.



You've successfully set up Illustra Audio AI with exacqVision. Now you can enjoy enhanced security with real-time audio detection! Remember, the right setup can make all the difference in monitoring your environment. Happy monitoring!

Illustra Tripwire with exacqVision

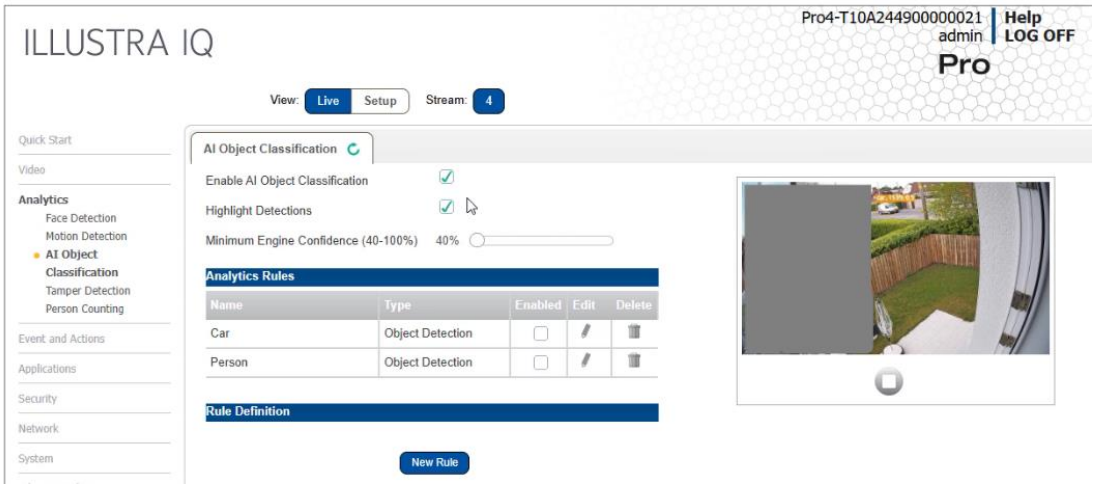
Tutorial Video: Illustra Tripwire with exacqVision

As part of Exacq's continuing efforts to integrate with AI features, customers can now utilize exacqVision VMS with Illustra Tripwire analytics, the ability to trigger an event when a person crosses a virtual line setup in the camera view.

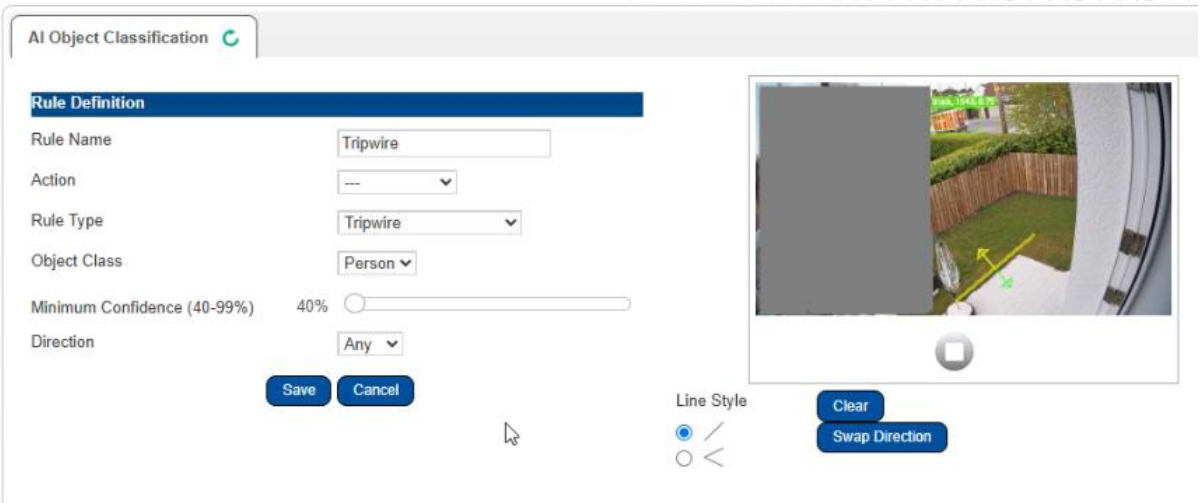
Configuration is from the camera webpage and once the camera is setup along with the cross direction, the exacqVision integration allows the user to receive live alarms and search when there is a person crossing in the configured direction.

In today's fast-paced world, security is paramount. Setting up the Illustra tripwire with exacqVision ensures your premises are monitored effectively.

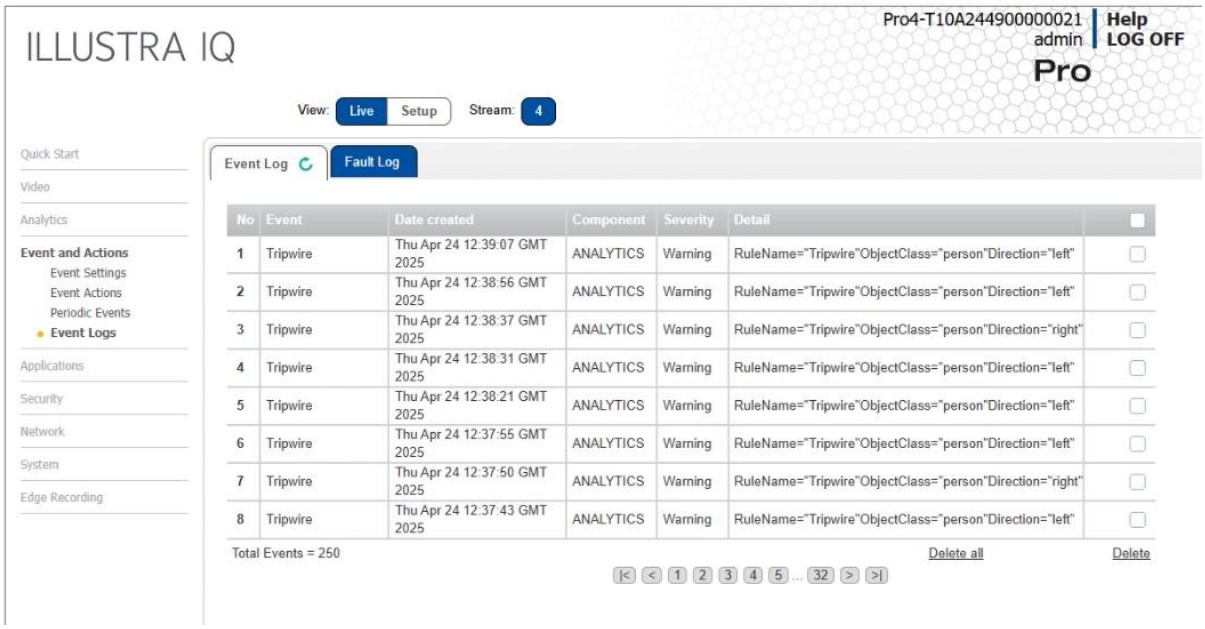
1. Navigate to the Illustra camera interface and select **Setup > Analytics**.
2. Select the **AI Object Classification** option and ensure that the **Enable AI Object Classification** & **Highlight Detections** checkboxes are selected. You can also configure a Minimum Engine Confidence between 40 and 100%.



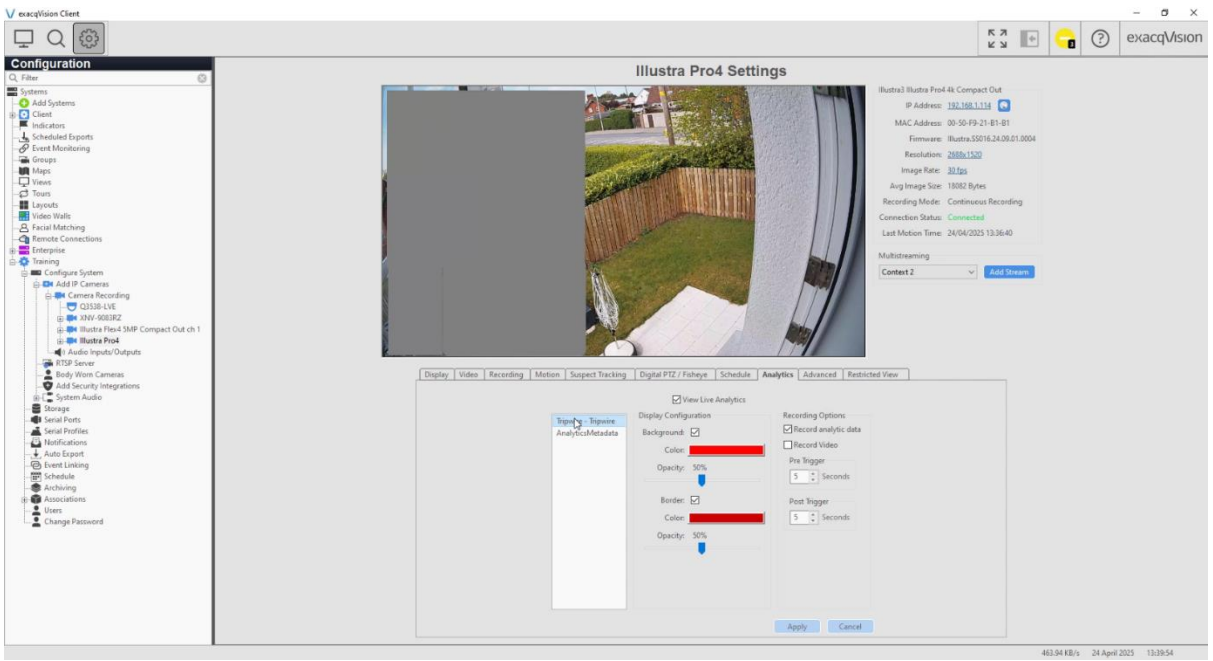
3. Select the **New Rule** option and enter a **Rule Name**. For this example, we're going to call the rule Tripwire.
4. Select **Tripwire** from the **Rule Type** dropdown.
5. Select an option from the **Object Class** dropdown. For this example, we're going to select **Person**.
6. Again, you can configure the **Minimum Confidence** between 40 and 99%.
7. You can also configure a **Direction** - you can choose from **Left**, **Right** or **Any**. So if a person crosses the tripwire from that direction, an event is generated.
8. Select a **Line Style** and draw your tripwire on the camera view as required.
9. Once you are happy with your configuration, click the **Save** button.



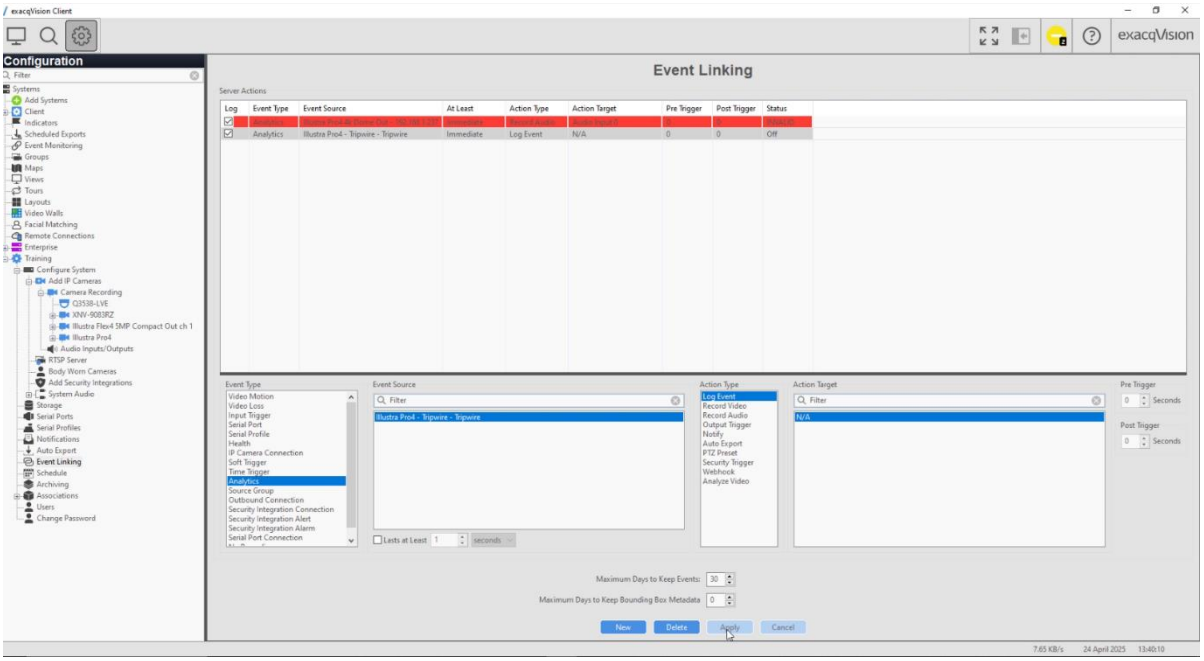
10. You can navigate to **Events and Actions > Event Logs** to check that events are being generated.



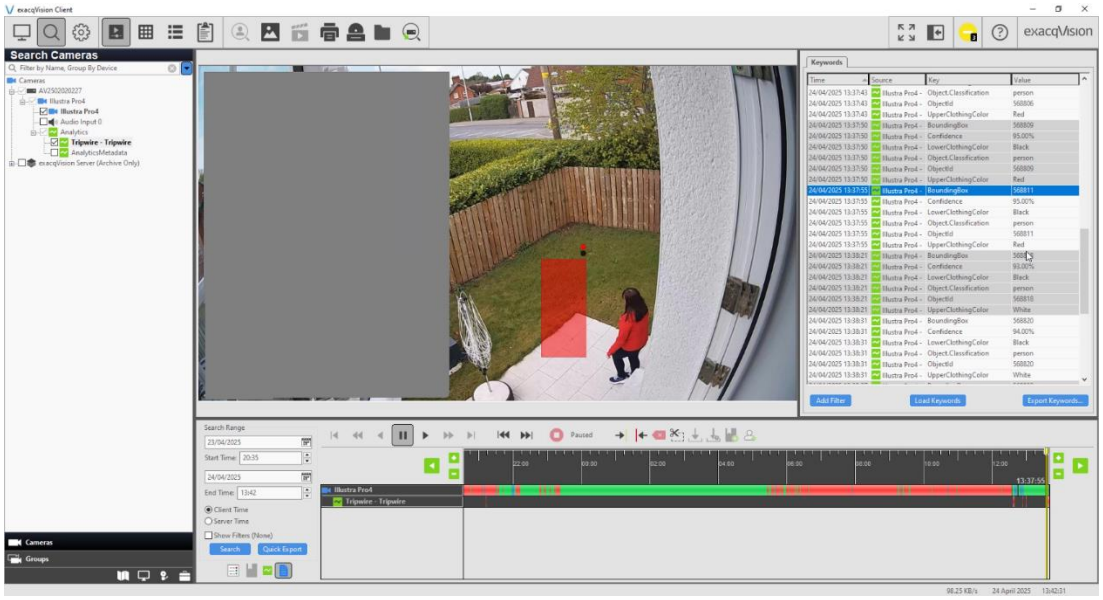
11. In exacqVision Client, navigate to the camera and ensure that the **Analytics** tab is displayed and the new Tripwire analytic is displayed. If this is not displayed, you may need to disable and re-enable the camera from the Add IP Camera page. You can configure the colour of the analytic hitbox and any other settings as required.



12. Navigate to **Event Linking** and click the **New** button. From the *Event Type* section, select the *Analytics* option. Select the *Tripwire* option from the *Event Source* section. Select *Log Event* from the *Action Type* event and click the **Apply** button. An event will now be triggered when the tripwire analytic is triggered.



13. You can also navigate to the **Search** page and search for when the tripwire event was activated. If the clothing colours were also detected, these will be displayed in the keywords tab. You can use the filters to search for someone wearing a blue top for example.



Setting up the Illustra tripwire with exacqVision client not only enhances your security but also provides a tailored surveillance system that works for you. With AI Object Classification, customized rules, and efficient event linking, you're equipped to handle any situation. Start securing your space today with confidence!

Hanwha Intercom Integration

Tutorial Video: Hanwha TID-600R Intercom with exacqVision 25H1

This feature included in 25H1 allows the user to integrate the Hanwha TID-600R with exacqVision Client. Exacq are committed to growing our integration offering with video intercom products. With this release, we are announcing the integration with the Hanwha video intercom offering, building upon the support for existing intercoms from Axis and 2N.

This contactless Hanwha video intercom integration allows a user to interact with someone behind a door, including having a conversation and then either get access to enter the building or provide additional credentials or support as needed. Once the intercom is set up as intended, the user can receive notifications even if someone is lingering in front of the door where the intercom is installed, and they can also be alerted if packages are being stolen from the area near the intercom.

In this example we will step through an example scenario where pressing the call button or using the Touchless call setting on the intercom brings the camera to the attention of the exacqVision operator to trigger a door lock.

The following topics are discussed:

- Wiring an electric door strike
- Configuring the device and adding it to exacqVision Client
- Enabling Two-Way Audio
- Adding Associations
- Creating Custom Views
- Creating an Event Monitoring Profile
- Enable Persistent Monitoring
- Configure Event Linking
- Handling Calls from exacqVision
- Visitor Operation

You will combine several features and functions within the exacqVision Client. It is recommended that users acquaint themselves with the exacqVision Client prior to use. We provide User Training Videos on these topics.

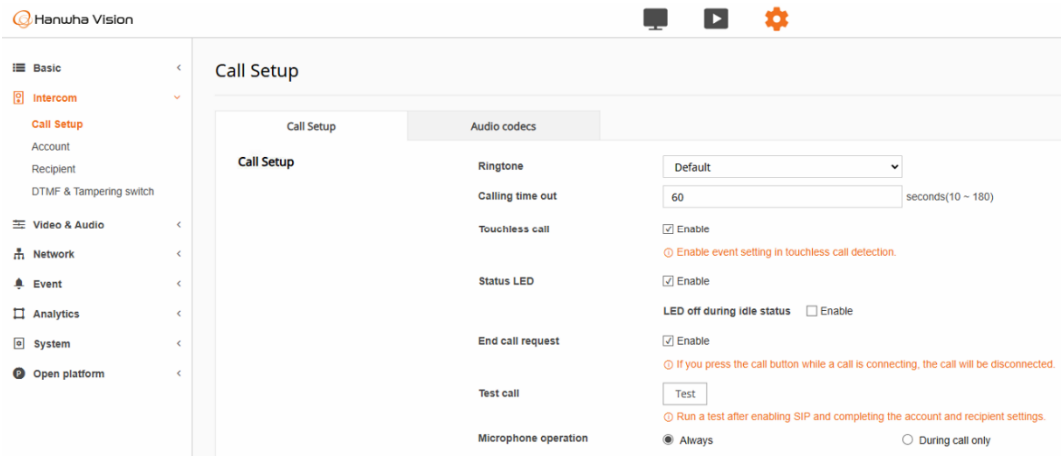
Wire a Door Strike

The simplest configuration is that of a single electric door strike, or maglock, wired directly to the door controller.

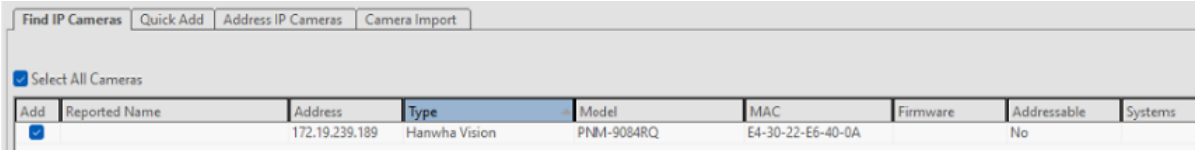
The Hanwha TID-600R can be wired using PoE and installing power and alarm I/O cables. For more information on the many wiring and hardware configurations please refer to the manufacturer's website or documentation.

Configure the Device and add to exacqVision Client

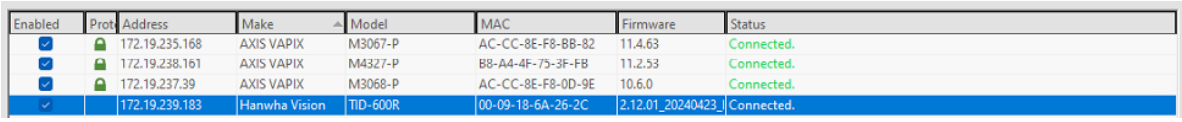
1. You will want to use a web browser to log into the device and perform the initial setup, which at this stage usually means setting a non-default username/password, and possibly setting a static IP address.
2. Navigate to **Setup > Intercom > Call Setup** and configure the settings if required. To have touchless entry where the user does not need to press the call button, the *Touchless call* option needs to be enabled. This allows the user to hold their hand in front of the intercom for at least 1 second without having to touch the call button. The *Calling time out* can also be configured from a minimum of 10 seconds up to a maximum of 180 seconds.



3. If you do not already know the IP address of the intercom, you will need to discover it on the network.
4. In exacqVision Client, you can add the device using the Find IP Cameras tab or manually.
    - Click the **Rescan Network** button and use the filter to search for the required device if you have a large number of devices on your network. Click the **Add Selected** button and enter the login details. Click **OK** – a green *Connected* status should be displayed.
      You will want to use the IP address in the same range as your exacqVision VMS, however this result may be discovered with 'ONVIF' displayed in the 'Type' column. Access the discovered IP address in your web browser to set the username and password.



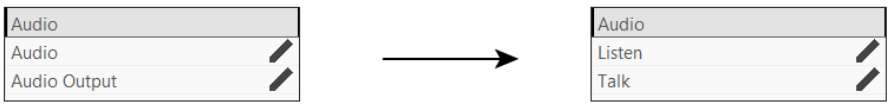
- Add the device manually by clicking the **New** button under the IP Camera List in the top half of the page. Select **Hanwha Vision** from the **Device Type** Selector. Enter the IP address in the same range as your exacqVision VMS, then enter the Username and Password credentials before clicking **Apply** to add the device. The device should display a green *Connected* status in the IP Camera List before continuing.



Enabled	Prot	Address	Make	Model	MAC	Firmware	Status
☑	🔒	172.19.235.168	AXIS VAPIX	M3067-P	AC-CC-8E-F8-BB-82	11.4.63	Connected.
☑	🔒	172.19.238.161	AXIS VAPIX	M4327-P	B8-A4-4F-75-3F-FB	11.2.53	Connected.
☑	🔒	172.19.237.39	AXIS VAPIX	M3068-P	AC-CC-8E-F8-0D-9E	10.6.0	Connected.
☑		172.19.239.183	Hanwha Vision	TID-600R	00-09-18-6A-26-2C	2.12.01_20240423_1	Connected.

Enable Two-Way Audio

1. Expand the **Add IP Cameras** node from the navigation tree.
2. Select the **Audio Inputs/Outputs** node nested beneath the Add IP Cameras node.
3. The resulting list displayed will show each intercom device listed twice. Note the column, titled **Audio**. One of these rows shows 'TID-600R A1' while the other displays 'RTSP Audio Out.' For easier identification we can apply our own labels here. We change 'Audio Out' to 'Talk' and change 'Audio' to 'Listen.'



4. Find the **Record Enable** column. Place a check in the box for both of these rows for the device. This enables two-way audio functions within exacqVision Client.
5. Press the **Apply** button to save your changes. Use the **Talk** and **Listen** buttons to verify audio is functioning and adjust the audio gain as desired in the intercom's web browser interface.

> **!** **Be aware**
>
> Client workstations intended for use with two-way audio devices MUST have a microphone enabled. Two-way audio menus and controls are disabled or hidden until a microphone is recognized by the operating system. Each client workstation used for two-way audio must have its own microphone.

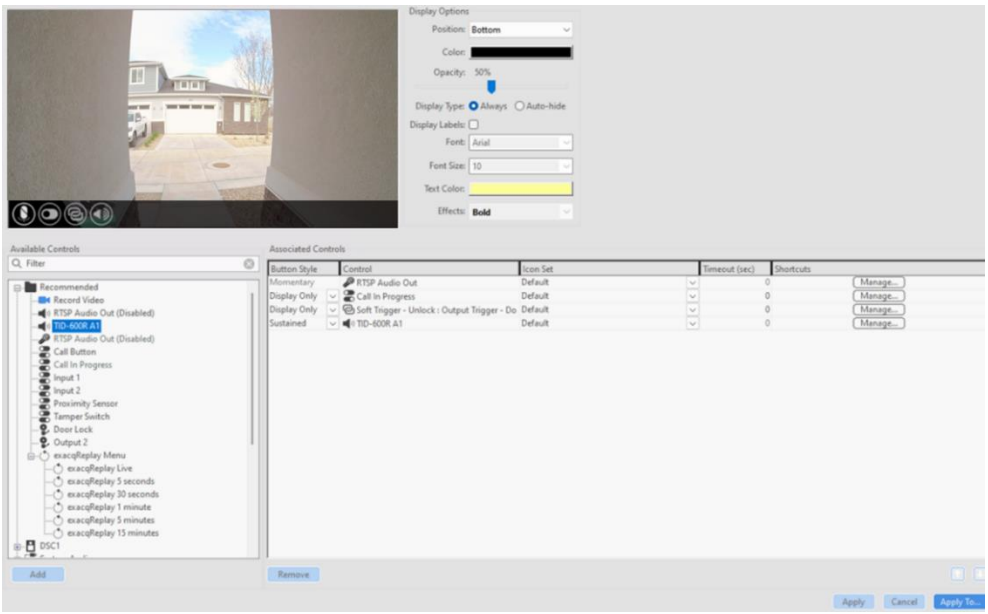
Add Associations

You have the option of using soft triggers and audio controls from the top toolbar in live view, but these will open dialogues showing all system options. Controls that are used frequently and directly related to the specific camera being displayed in a panel may be easier for operators to use when added as Association buttons within the camera panel.

1. Select the **Associations** node from the navigation tree.

2. The panel along the left lists existing cameras. Find and click to select the intercom.
3. From the **Available Controls** panel, we select the '*Listen*' option we relabelled earlier and click **Add**. There will be two controls labelled 'Talk' that we relabelled earlier. Select and add the one showing the microphone icon.
4. So that your exacqVision operators can unlock the door remotely, you can set up an Event Linking, for this example we are going to add the control labelled '*Soft Trigger - Unlock*'.
5. You should now have four **Associated Controls** listed. You may wish to edit the **Button Style** listed.
    - **Sustained** requires a click on, and another click to turn off.
    - **Momentary** functions only while a user is pressing down the button which will also prevent a user from accidentally forgetting to lock the door or leaving a microphone on.

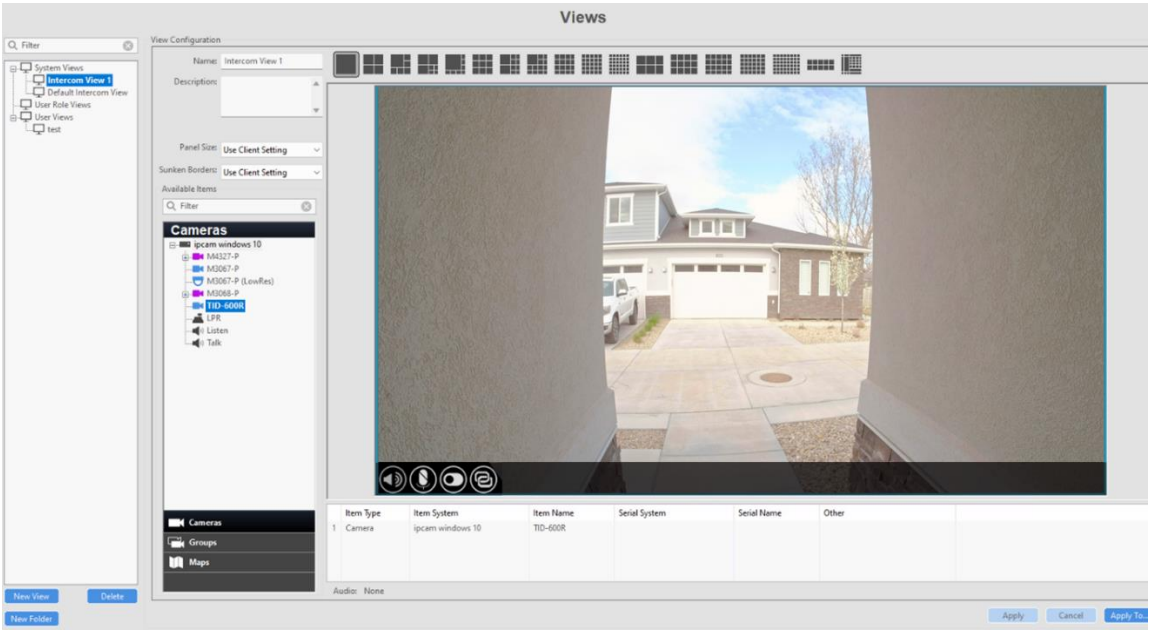
    You may refer to the User Manual or Associations training video for more information on customizing your Associations.
6. Click **Apply** to save your changes when done.



Create Custom Views

In this example we will create a View to display when triggered, rather than changing a single video panel. Learn more about these two options in the Event Monitoring training video. To make this work, we will create two custom Views to use later when creating an Event Monitoring profile. Refer to the Views training video if you need more details on performing these steps.

1. Select the **Views** node from the navigation tree.
2. Click the **New View** button, then enter a descriptive name. In this example, we name our view '*Intercom View 1*'.
3. Select a layout for the view from the layout toolbar above. This view may have a single panel layout showing only the camera view from the intercom, or you may use a multi-panel layout displaying the intercom and other cameras showing the entry from different angles.
4. Use the **Available Items** panel to find your intercom camera and drag it to the empty panel in the layout. If using a multi-panel layout, fill the other panels as you like.
5. Because the Associations are already displayed, an exacqVision operator may easily enable/disable each when viewing in Live mode. However, if you'd like the Microphone or Speaker to be on automatically upon the view changing, you may also drag one of these onto the layout as well. Only one may be active.
6. Click **Apply** to save you changes when done.
7. Since we are changing the entire view displayed in Live mode, we will also want to create a view that is displayed when the intercom is not in use.



Create an Event Monitoring Profile

Next you will create the Event Monitoring profile that changes the view displayed while in Live mode.

1. Select the **Event Monitoring** node from the navigation tree.

2. Click the **New** button under the **Profiles** panel to begin creating a new profile.

3. Enter a descriptive **Name** under the **Profile Configuration** panel. Our example will name this '*Intercom*'.

4. The option you select for the **Show Event List** menu will depend on your intended use.
    - **Never** is the less obtrusive option as it hides the Event List from popping up in our view. The trade off for this is you will probably want to set Timeout later so the View changes back to the default display after a given amount of time. Without this, the displayed View will remain on the intercom camera.
    - **On Event** will pop open the Event List window which some users do not like. However, the benefit of this is the exacqVision user can decide when to return to the default View and the View will not change in the middle of being used simply because a timer ended. When the event is cleared the Event List window will disappear.
    - **Always** will always be displayed whether or not the intercom is being utilized.

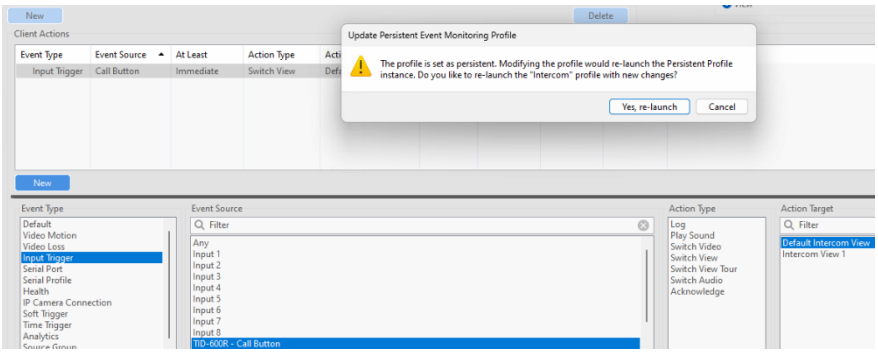
5. Checking the **Show Newest Event** box is optional. This feature is most useful when many possible events are included in an Event Monitoring profile. An example may be a site with multiple intercoms, in which case checking this box will change the view to display the station with the most recently pressed Call Button.

6. As mentioned previously, this example will use 'View' from the **Type** field. Refer to the Event Monitoring training video for more on the 'Video Panel' option, which does not require creating custom Views.

7. Under **Client Actions** in the middle of the window is where you will create the actions that occur when triggered by various events. Our first row, currently labelled 'Unknown' should already be highlighted because we are creating a new profile.

8. From the **Event Type** panel list, select **Input Trigger**.
9. In the *Event Source* section, select the **Call Button** option.
10. In the *Action Type* section, select the **Switch View** option. Note that you could also opt to make your default display a Tour, which is covered in the Tours training video.
11. In the *Action Target* section, select the required view.
12. Click the **Apply** button to save your changes.

13. If Persistent Event Monitoring is already enabled, a notification will be displayed that you've modified the profile. Click the **Yes, re-launch** button. Otherwise, a message will be seen when you enable Persistent Event Monitoring.



When an event is activated, it will learn the layout and switch the views. The first time you set this up, it has no idea how many monitors you have, what size things are and what layout is used – it learns the layout after the first time but for the first time, the view will be displayed in full screen.

<u>Enable Persistent Monitoring</u>

Intercoms integrate especially well with the Persistent Event Monitor feature in the exacqVision Client.

1. Navigate to the **Client** page and enable the **Persistent Monitoring** checkbox. You can select a Profile from the dropdown list.
2. This will start the Persistent Event Monitor. It may be minimized but cannot be closed. It will persist if you close the client.

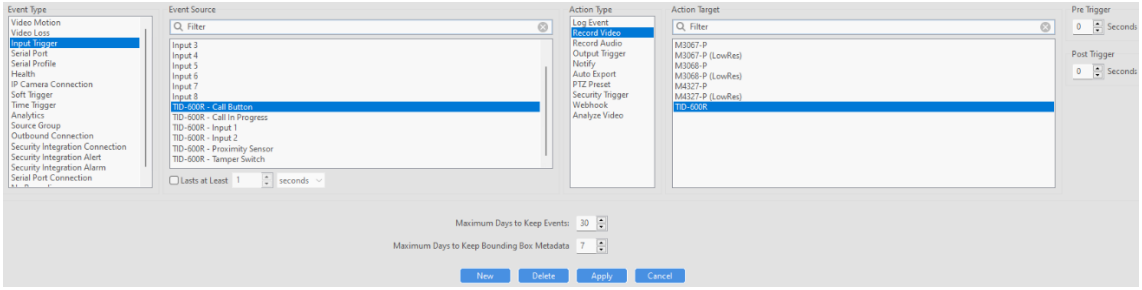
3. When an event in the profile triggers, the Persistent Event Monitor will unminimize itself and move to the foreground.
4. The associations on the video will allow the user to answer the call by pressing the mic button to talk out through the speaker on the intercom.

The server settings and event linking will always work to record even if the client is not connected. Any connected client may answer - even from a normal view or panel in live.

Different clients can have their own event monitor profiles to listen to different subsets of intercoms or monitor important areas.

Configure Event Linking

1. Navigate to **Event Linking** and click the **New** button.
2. Select the **Input Trigger** option. A number of options will be displayed:
    - Call Button
    - Call In Progress
    - Input 1
    - Input 2
    - Proximity Sensor
    - Tamper Switch



3. Configure the Event Source, Action Type and Action Target as required.

Handling Calls from exacqVision

1. Using the exacqVision Client software, browse to Live mode.
2. By default, the panel along the left side of the window displays a list of **Live Cameras**. Using the options at the bottom select **Views** to update this panel to **Live Views**.
3. The Live navigation panel lists System Views, User Role Views, User Views, and System Tours, which includes any Views created earlier in the process of configuring our profile. Towards the bottom is a list of **Event Monitors**.

4. Find the name of the Event Monitoring profile you created. Again, our example was named '*Intercom View 1'*. Drag this profile to the cameras panel to the right.

5. You should now be viewing your default View. When the **Call Button** on the intercom is pressed the View will change to display the intercom camera view you created earlier.

6. The **Association** icons we added earlier can be seen at the bottom corner. The intercom will continue to ring until an exacqVision user presses the **Talk** button or the configured ring timeout is reached.

7. Press the **Talk** button to transmit audio from your client workstation microphone to speak to intercom users. Press the **Listen** button to hear intercom users speaking.

> **Information**
>
> Audio from Talk and Listen actions may be buffered, presenting a delay. Practice with the system to gain a feel for this on your network.

8. If you have correctly wired a door strike, maglock, or other electronic locking mechanism to the intercom, pressing the icon for the output will unlock the door.

> **Information**
>
> Door controls may be customized within the intercom's web browser interface.

Visitor Operation

- A visitor using the intercom may simply press the Call Button to activate the Event Monitoring profile, as created above.
- The use case detailed in this article does not prevent the intercom from being used for SIP calls.

  Once a SIP server has been configured within the intercom's web browser interface, a SIP call may be initiated by pressing the Call Button.

  Note: When used together with SIP, any press of the Call Button will continue to trigger an Event Monitoring profile configured to do so.

Enhanced View Management

Views are a core component of how customers display multiple camera streams exacqVision. In addition to the capability of tying different camera streams to specific layouts, views offer the ability to restrict or allow specific views to specific users or user roles. Up until this release, a view can only be assigned to a single user or a single user role

With 25H1, exacqVision adds the capability to assign a view to multiple users or multiple user roles. This enables the customer to be more efficient by avoiding the need for multiple duplicate views, and better manage the assignment of permissions to their user base.

AI Metadata Enhancements

To improve our system performance and load balancing capabilities, we have improved how we store the vast amounts of AI metadata from cameras.

With 25H1, AI metadata is now being stored on the hard drive instead of the SSD. This change leads to a longer hardware lifespan, since SSDs have lower write limits, and provides more storage space for extended metadata retention periods.

Additionally, we invested significant effort into rearchitecting the database, which has improved manageability and enhanced performance.

Finally, we are updating our configuration calculator tool to provide tailored hardware specification recommendations based on the number of AI cameras and the type of metadata the customer wishes to retain.

Enterprise Manager Performance Improvements

One of the unique benefits of exacqVision is its distributed architecture, wherein the system expands with customer needs without a single point of failure. Once the installed systems reach a level of scale, customers can optionally layer on centralized management using Enterprise Manager, while still preserving the fundamental distributed nature of the solution.

This release makes substantial performance improvements to Enterprise Manager. On the database side, we have reduced the number of queries by more than 93% and implemented 85% improvement in CPU utilization. 25H1 also reduces overall CPU usage by half. In addition, we have several robustness related changes that make Enterprise Manager more reliable and performant than ever before.

Software Downloads

exacqVision 25H1 will be available to download from the following links:

- Exacq Website
- Exacq Support Portal