



Operating Instructions

i-PRO Active Guard Plug-in for WV-ASM300



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1. Introduction

1.1. Features

1.1.A. Terms in use

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1.1.E. Disclaimer of warranty

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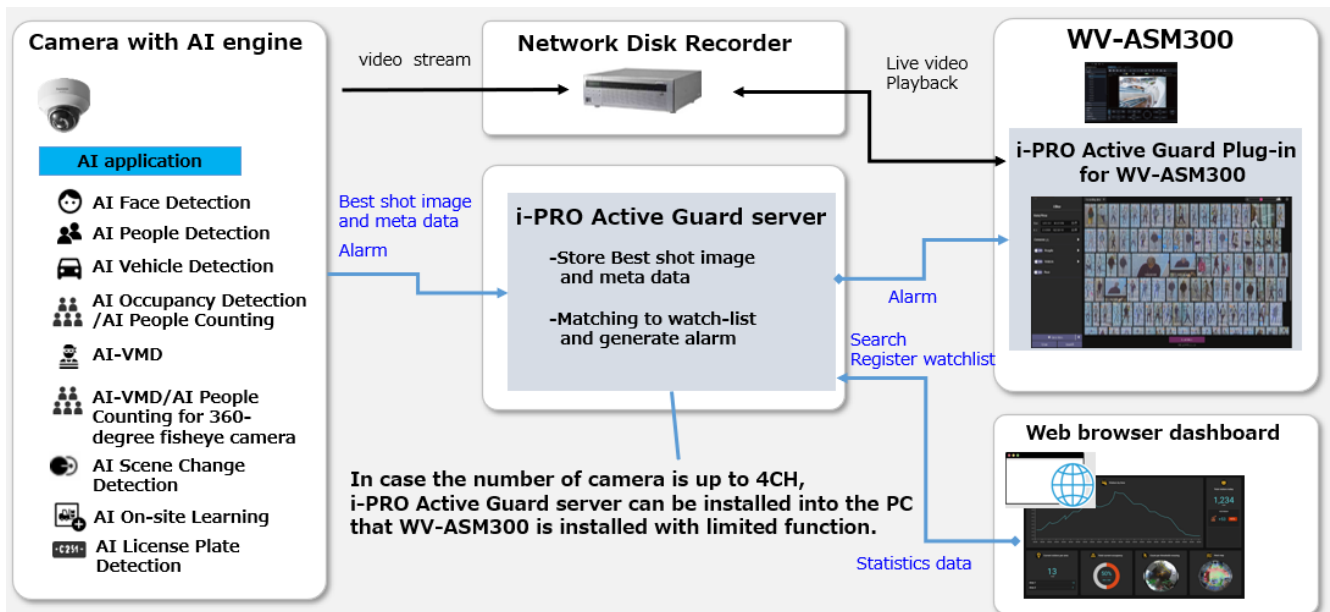
1.2. Preface

Setup is required before using the plug-in. Please refer to i-PRO Active Guard Setup Instructions for ASM300.

This operating manual is for dashboard function of i-PRO Active Guard Plug-in.

Regarding the operation of dashboard of i-PRO Active Guard server, please refer to i-PRO Active Guard server dashboard Operating Instructions.

1.3. System overview



AI application or AI function on cameras transmit video stream to Network disk recorder and transmit Best shot images and meta data to i-PRO Active Guard server.

i-PRO Active Guard server stores those data and also generate alarm when face, people, vehicle or LPR is matched to watchlist.

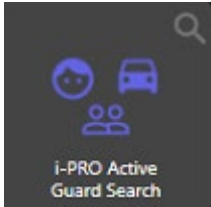
i-PRO Active Guard Plug-in for WV-ASM300 (hereinafter referred to as “Plug-in”) which is the plug-in software for WV-ASM300 can search best shot images, register watchlist, show live video, recorded video, and alarm.

By visualizing statistical data from AI application on the web browser, it can also be used for business intelligence.

2. i-PRO Active Guard Plug-in

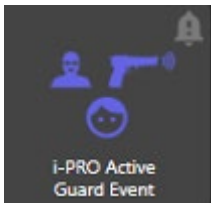
2.1. Startup and terminate Plug-in

Plug-in has two functions as below.



i-PRO Active Guard Search

By using various features, enables to search bestshots of objects such as people, face and vehicle that AI camera recognize.



i-PRO Active Guard Event

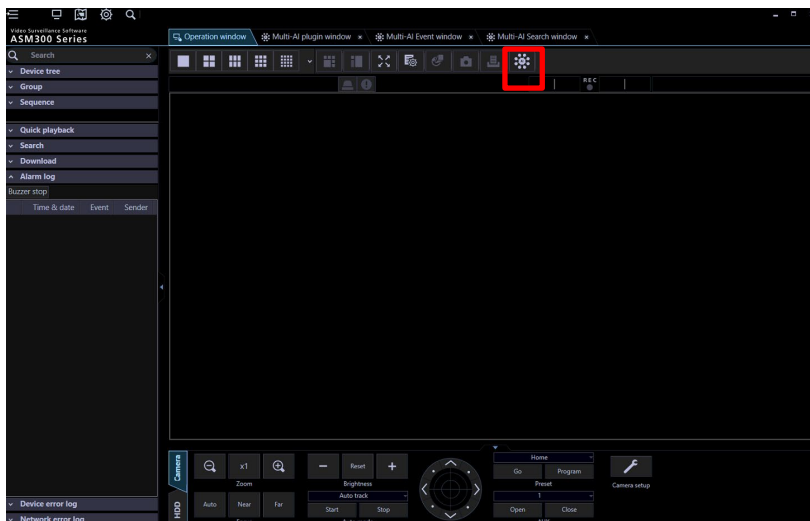
Enable to monitor live events that AI cameras recognize. Detected past events can be searched.

2.1.1. Start-up plug-in

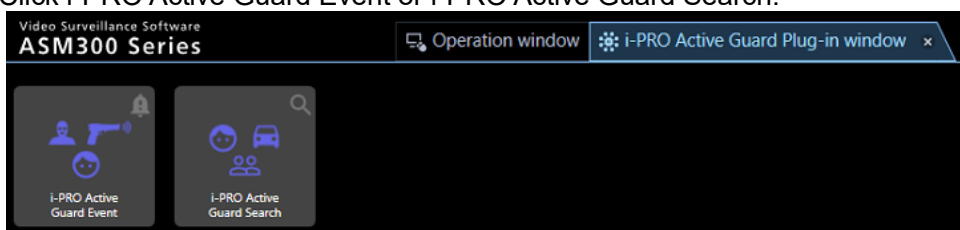
Installation and license registration of Plug-in need to be completed in advance.

To open plug-in, start-up WV-ASM300 and log in first.

Click  from Operation window.

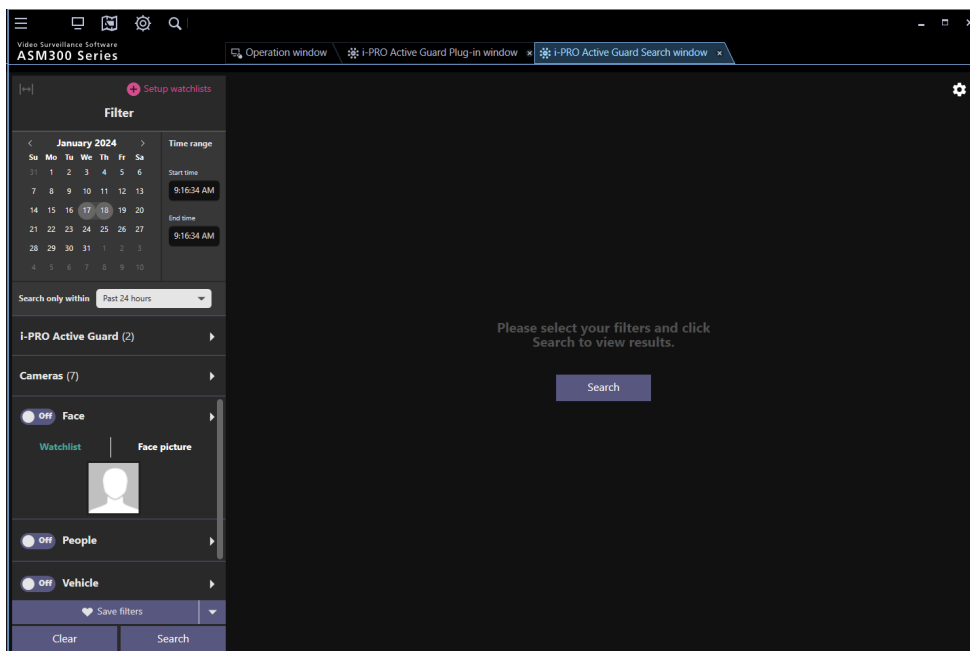


Click i-PRO Active Guard Event or i-PRO Active Guard Search.



2.1.2. Terminate plug-in

To terminate i-PRO Active Guard Search or i-PRO Active Guard Event, just close the tab.



2.2. i-PRO Active Guard Search

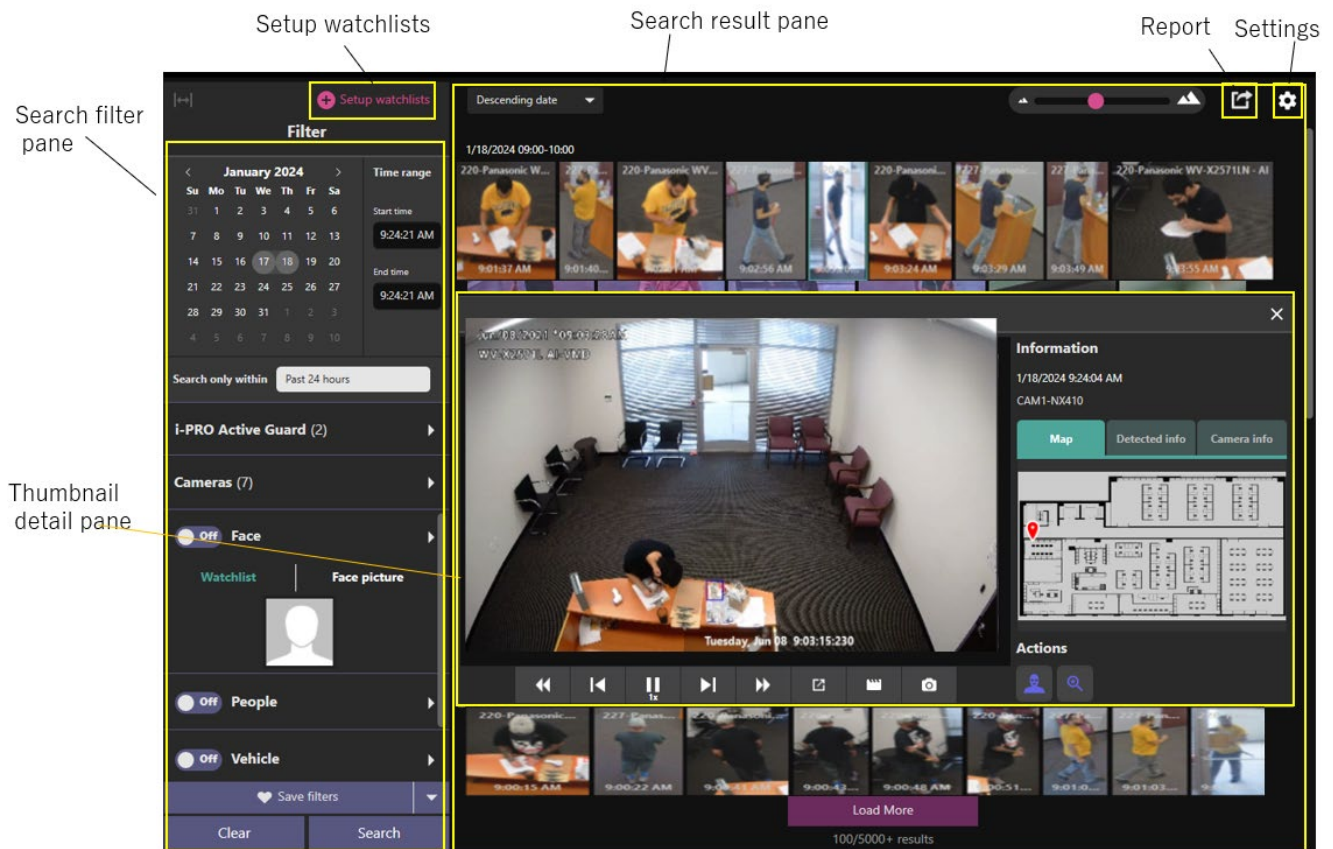
Using i-PRO Active Guard search, you can quickly find thumbnails of AI Camera detected objects including person, vehicle, and face.

2.2.1. UI Component

i-PRO Active Guard Search has three main parts such as search filter pane, search result pane and thumbnail detail pane, also has watchlists menu and other settings.

2.2.1.1. Overview

In this section, it describes the elements that compose the recording search.



Search filter pane	Date/Time filter	Start time and end time for search objects.
	Search only within	Select from Past 24 hours/Past week/Past month/None. - When select other than None, Date/Time filter are ignored. - When specify Date/Time filter, this setting will automatically become None.
	i-PRO Active Guard filter	Specify i-PRO Active Guard Server for search objects. *This setting will display when multiple i-PRO Active Guard servers are registered in Plug-in.

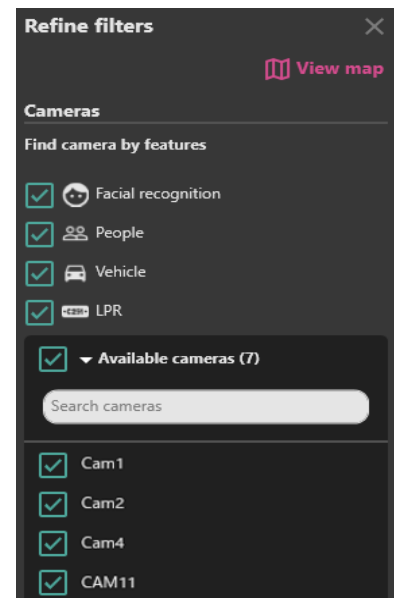
	Cameras filter	Specify AI Cameras for search objects.
	People filter	Specify personal features such as gender, age, hair color, etc.
	Vehicle filter	Specify vehicle features such as type, color, etc.
	Face filter	Show face thumbnails.
	LPR filter	Specify license plate features such as type, color, and license plate, etc.
	Save filters	Save filter settings with name up to 12.
	Clear	Clear filter settings.
	Search	Start thumbnail search.
Search result pane	Sort	Sort search results by descending, ascending, similarity and analysis score.
	Display mode	List or Timeline can be changed for face search result.
	Zoom in/out	Zoom in and out thumbnail results area.
	Detected thumbnail	Click and open thumbnail detail pane. Right click and save the thumbnail as picture or video clip.
	Results count	Show the thumbnail search results count.
Thumbnail detail pane	Thumbnail detail pane	Video control, information such as camera location, analysis score and camera information. Refer to "2.2.1.3" for detail.
Set up watchlists	Face watchlist	Setup face watchlist.
	People watchlist	Setup people watchlist.
	Vehicle watchlist	Setup vehicle watchlist.
	LPR watchlist	Setup lpr watchlist.
Report	Export HTML	Export search result as HTML.
Settings	Preferences	Setup some environments for playback, event monitor etc.
	Software update	Displays the current version of i-PRO Active Guard server and Plug-in. And a notification will appear when the i-PRO Active Guard Server or plug-in are available for updates. *This setting will not appear in environments without an Internet connection.
	Attribute Settings	Setup visibility of attributes in filter and watchlist.

2.2.1.2. About search filters

In this section, it describes search filters that can narrow the search results down.

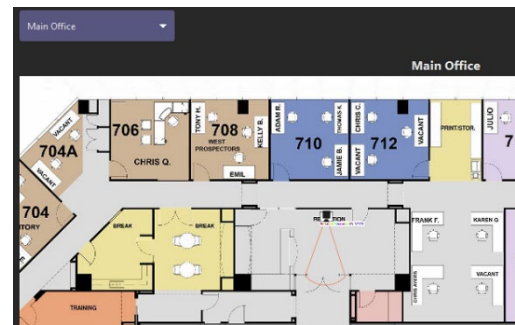
A. Camera filter

Select the cameras to be searched from the available camera list. Using Find camera by features, you can select only cameras which have specific AI capabilities.



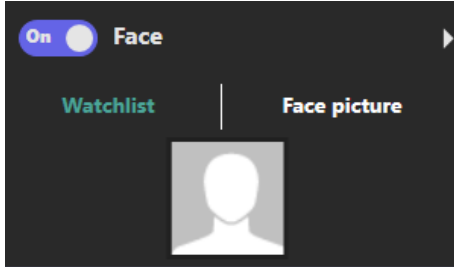
Cameras also can be selected from map. Select target maps then select camera icons or encircle cameras by dragging your mouse. The map is optional, setup on WV-ASM300 setting is required on prior to using this function.

When you register or change the map on WV-ASM300, terminate plug-in and start again.



B. Face filter

With the Face filter enabled, only the thumbnails are shown which AI Camera with face detection app detected.



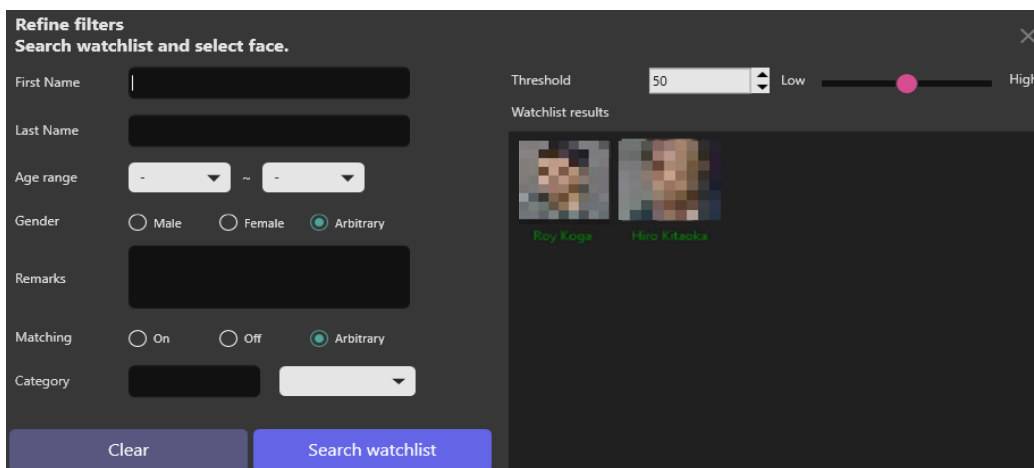
Also using filter panel, you can apply the search condition.

Watchlist

Select face from watchlist and search similar face.

Click [Search watchlist] with search conditions.

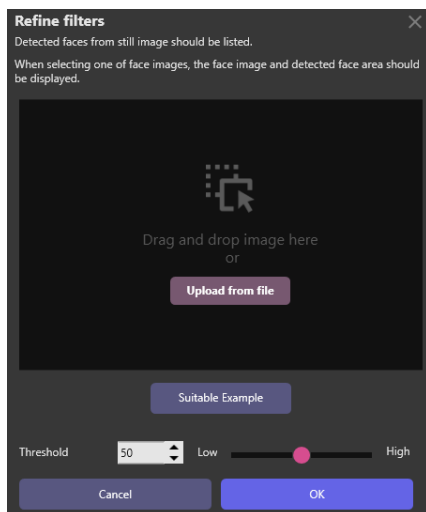
Select face from Watchlist result.



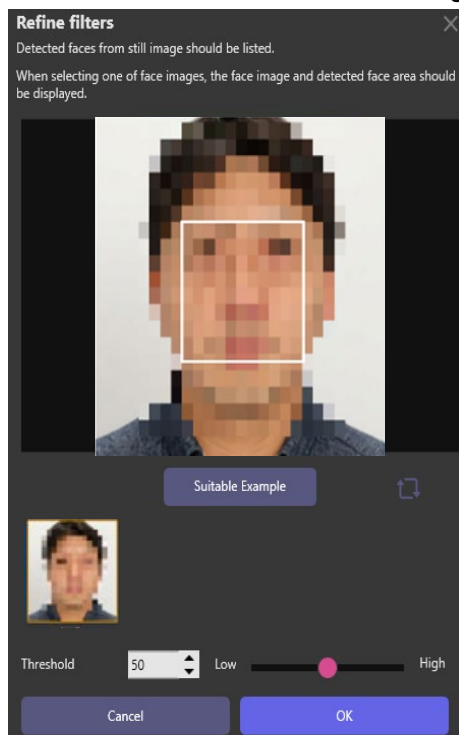
Face picture

Upload image file that includes face and search similar faces.

Click icon and select image file.

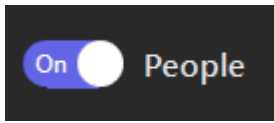


When face is detected from the image, selecte face and click OK.



C. People filter

With the People filter enabled, only the thumbnails are shown which AI Camera with people detection app detected.

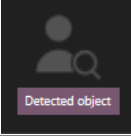


Also using filter panel, you can apply the search condition.



Features and

Description

controls	
	Uploading people picture If picture is uploaded, features are automatically detected.
Gender	Male, Female
Age	Child (0~10), Young Adult (11~20), Adult (21~60), Senior (61+)
Hair type	Long-hair, Short-hair, Hat
Hair color	Black, Gray, White, Brown, Gold
Top type	Short-sleeves, Long-sleeves
Top color	Black, Gray, White, Brown, Orange, Yellow, Green, Blue, Purple, Pink, Red
Bottom type	Long, Short
Bottom color	Black, Gray, White, Brown, Orange, Yellow, Green, Blue, Purple, Pink, Red
Sunglasses	Sun Glasses, No Glasses
Beard	Beard, No Beard
Mask	Mask, No Mask
Bag	Bag, No Bag
Bag color	Black, White, Brown, Orange, Yellow, Green, Blue, Purple, Pink, Red
Shoes color	Black, White, Brown, Yellow, Green, Blue, Red
Moving Direction	Up, Up right, Right, Down right, Down, Down left, Left, Up left
Additional filters	Recognizable face can only show person thumbnails with clarify face. Color image only Note) Black & white images may show in the search results even if only Color image only is specified.
Threshold	There are Low, Average and High.
Exclude searched color	If this is selected, the color will exclude from search results.
Include similar color	If this selected, the color similar to the specified color will be automatically selected.

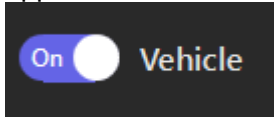
Note)

If the specified color does not appear in the search results, it may be displayed in the search results by selecting and searching for the following similar colors together.

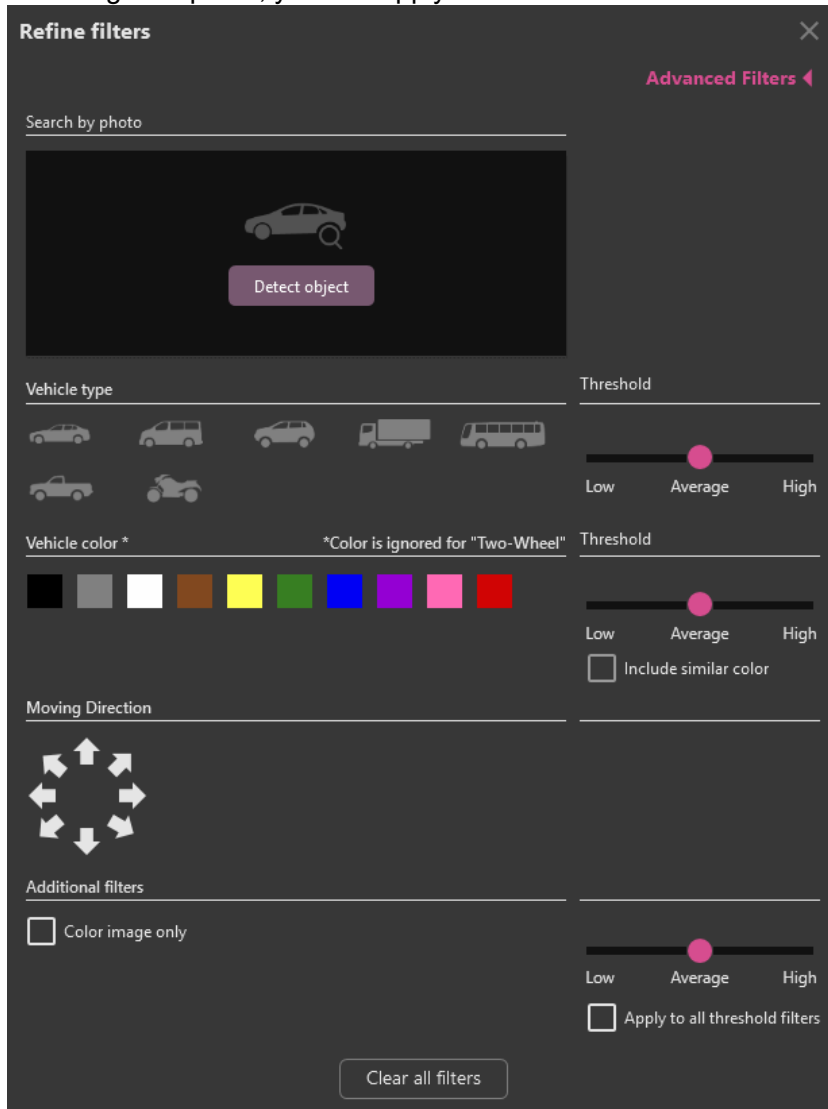
Color to be searched	Similar color (The order is similar from the left)
Black	Gray
Brown	White, Yellow, Orange
White	Gray, Blue, Brown, Yellow, Orange
Gray	Black, White, Blue
Green	Blue, Black, Yellow
Red	Orange, Pink
Blue	Green, Black, Purple
Yellow	Green, White, Brown, Orange
Orange	Red, Brown, Yellow
Purple	Pink, Blue, Black
Pink	Red, Purple

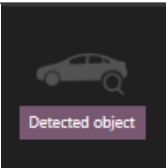
D. Vehicle filter

With the Vehicle filter enabled, only the thumbnails are shown which AI Camera with vehicle detection app detected.



Also using filter panel, you can apply the search condition.



Features and controls	Description
	Uploading vehicle picture If picture is uploaded, features are automatically detected.
Type	Truck, Bus, SUV, Van, Sedan, Pickup Truck, Two-Wheel
Color	Black, Brown, White, Gray, Red, Blue, Yellow, Green, Purple, Pink

Moving Direction	Up, Up right, Right, Down right, Down, Down left, Left, Up left
Additional filters	Color image only Note) Black & white images may show in the search results even if only Color image only is specified.
Threshold	There are Low, Average and High.
Include similar color	If this selected, the color similar to the specified color will be automatically selected.

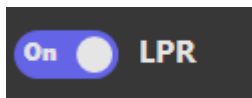
Note)

If the specified color does not appear in the search results, it may be displayed in the search results by selecting and searching for the following similar colors together.

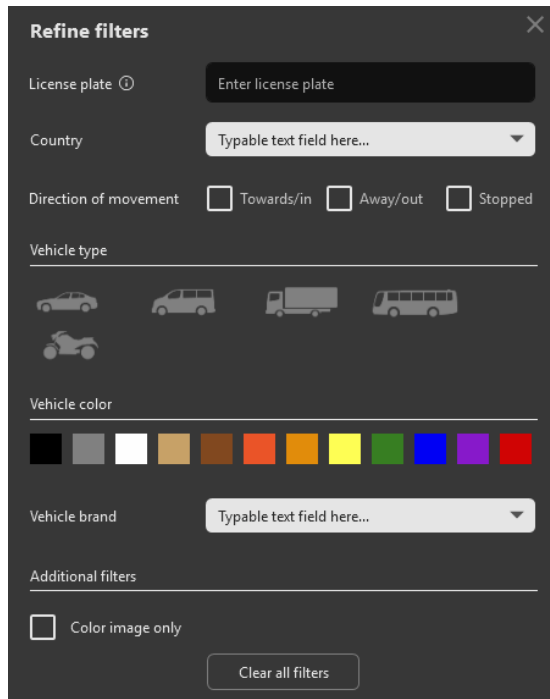
Color to be searched	Similar color (The order is similar from the left)
Black	Gray
Brown	Gray, White
White	Gray, Blue, Brown, Yellow
Gray	Black, White, Blue
Green	Blue, Black, Yellow
Red	Pink
Blue	Green, Black, Purple
Yellow	Green, White, Brown
Purple	Pink, Blue, Black
Pink	Red, Purple

E. LPR Filter

With the LPR filter enabled, only the thumbnails are shown which license plate detection app detected.



Also using filter panel, you can apply the search condition.

A dark-themed 'Refine filters' panel with a close button (X) in the top right corner. It contains several filter sections: 'License plate' with a text input field labeled 'Enter license plate'; 'Country' with a dropdown menu labeled 'Typable text field here...'; 'Direction of movement' with three radio button options: 'Towards/in', 'Away/out', and 'Stopped'; 'Vehicle type' with five icons representing Car, Van, Truck, Bus, and Motorcycle; 'Vehicle color' with a row of ten color swatches (Black, Gray, White, Beige, Brown, Orange, Golden, Yellow, Green, Blue, Purple, Red); 'Vehicle brand' with a dropdown menu labeled 'Typable text field here...'; and 'Additional filters' with a checkbox labeled 'Color image only'. At the bottom, there is a 'Clear all filters' button.

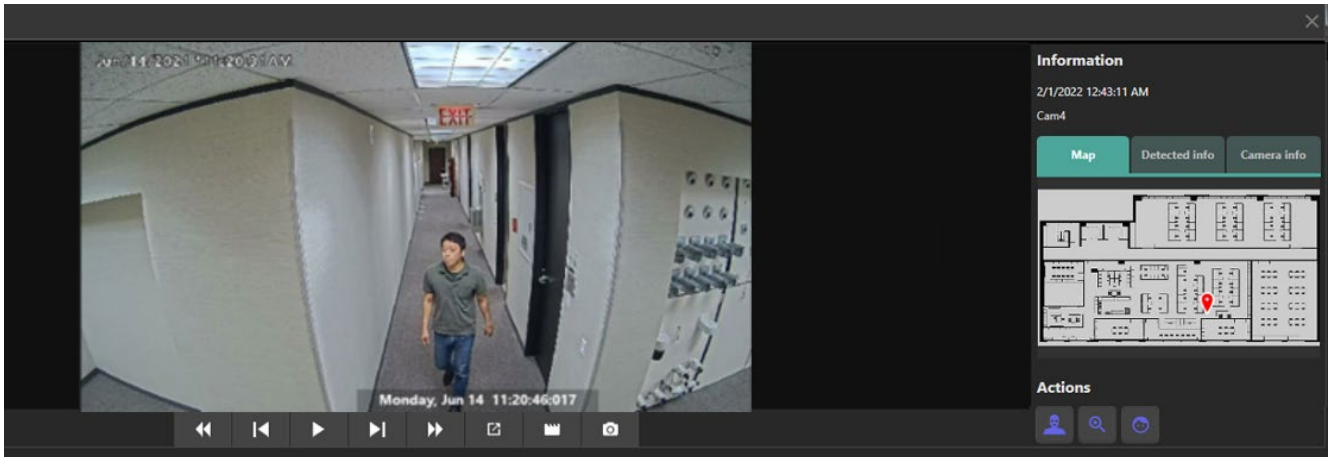
Features and controls	Description
License plate	Specify a License plate number. Note) Use '%' for wild card search (example: for plates starting with 'A,' enter 'A%.')
Country	Specify the country
State *1	Specify the state
Moving Direction	Towards/in, Away/out, Stopped
Vehicle Type	Car, Van, Truck, Bus, Motorcycle
Vehicle Color	Black, Gray, White, Beige, Brown, Orange, Golden, Yellow, Green, Blue, Purple, Red
Vehicle Brand	Specify the Brand
Vehicle Model *2	Specify the model
Additional filters	Color image only Note) Black & white images may show in the search results even if only Color image only is specified.

*1 : State is displayed when Country is set to "United States."

*2 : Model is displayed after setting Brand.

2.2.1.3. About thumbnail detail pane

Selecting one of thumbnail search results, you can take various actions such as playback video, check analysis result and register the thumbnail to watchlist and so on. The additional information about playback controls, please refer to 2.4 PLAYBACK VIDEO CONTROL.



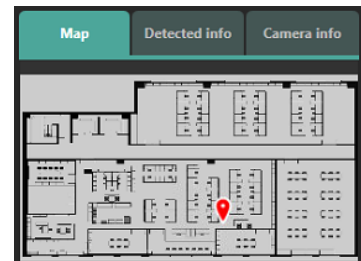
- **Information**

You can see more detailed information such as detected place, the analysis information, and camera information.

A. **Map**

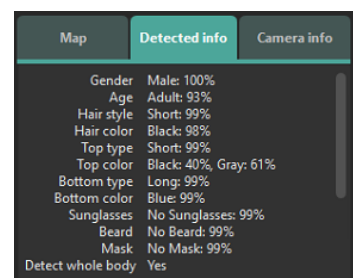
The camera which sent the thumbnail is displayed with map.
You can see the camera location on map.

When you register or change the map on WV-ASM300,
terminate plug-in and start again.



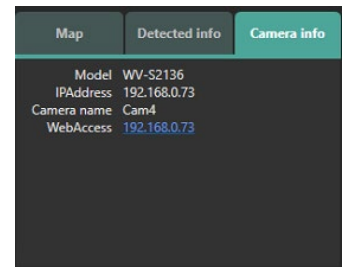
B. **Detected info**

Analysis score information for each feature is displayed.



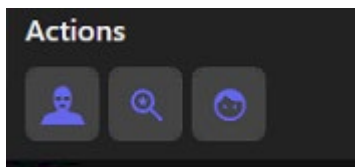
C. Camera info


Camera information is displayed.



- Action buttons

This allows user quick operation such as search for similar characteristics by one click, register watchlists, and sharing other devices.



A.  Search for similar characteristics

Quick search is provided to allow for an instant search to detect high score features, which is available for person or vehicle thumbnails.

Search for exactly similar characteristics (less false result)

Selectable when upper body in people image is recognized.

Search for similar images by searching for cameras that AI People detection is installed.

Search for exactly similar characteristics (less missing result)

In case of people, selectable when whole body in people image is recognized.

Search for similar images by searching for cameras that AI People detection is installed.

This is also applied for vehicle images.

Search for similar images by searching for cameras that AI Vehicle detection is installed.

Search for similar face

Selectable when face in people image is recognized.

This is also applied for face images.

Search for similar images by searching for cameras that AI Face detection is installed.

Search for license plate number


Selectable when license plate number in LPR image is recognized.

Search for similar images by searching for cameras that AI License plate detection is installed.

If you want to go back to previous search results, use Latest search condition in Saved filters.

Note:

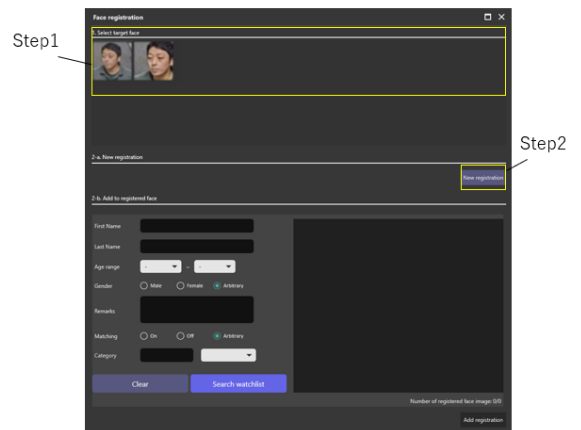
- Similar Search is not applied the Latest search condition in Saved filters.
-

B.  Save facial features to face watchlist

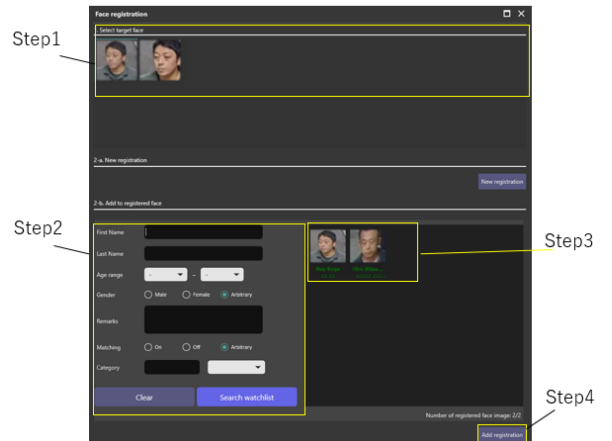
Register face image to watchlist. There are options either register detected face newly or add detected face to existing registered face.

In case of register as new face:

- Step1.** Select one of detected faces.
- Step2.** Click [New registration] button.
- Step3.** Please follow to 2.5.1. *Face Watchlist (Step2)*

**In case of adding to existing registered face:**

- Step 1.** Select one of detected faces.
- Step 2.** Search existing registered faces by using filters. If not specify any filters, all registered faces are displayed.
- Step 3.** Select one of searched faces.
- Step 4.** Click Add registration button.
- Step 5.** Please follow to 2.5.1. *Face Watchlist (Step2)*



Note:

- Face can be registered up to 1,000.
-



C. Save people's characteristics to Registered Person detection

Register personal features to watchlist. High score items are registered.
Some basic information can be entered from here.

The screenshot shows a dark-themed form titled "New Registration for watchlist". At the top left is a small image of a person. To its right, the following characteristics are listed: Gender: male, Age: 21-60, Hair: short-hair, Top: short-sleeves, Bottom: long, and Sunglasses: none. Below this, there are input fields for "Name" (containing "Suspicious people 01"), "Validity period" (with an unchecked checkbox), and "Remarks" (with a text area). At the bottom, there are radio buttons for "Matching" (set to "On") and "Off", and a "Register" button.



D. Save vehicle's characteristics to Registered Vehicle detection

Register vehicle features to watchlist. High score items are registered.
Some basic information can be entered from here.

The screenshot shows a dark-themed form titled "New Registration for watchlist". At the top left is a small image of a dark SUV. To its right, the vehicle type is listed as "Vehicle: SUV". Below this, there are input fields for "Name" (containing "Suspicious vehicle 03"), "Validity period" (with an unchecked checkbox), and "Remarks" (with a text area). At the bottom, there are radio buttons for "Matching" (set to "On") and "Off", and a "Register" button.








E. Save license plate number to LPR detection

Register license plate, country, state are registered
Some basic information can be entered from here.

The screenshot shows a dark-themed form titled "New Registration for License Plate". On the left is a large area for "Owner photo" with a "Clear photo" button and a "Upload from file" button. On the right, there are input fields for "License plate" (containing "123"), "Owner's first name", "Owner's last name", "Group" (a dropdown menu), "Country" (a dropdown menu set to "Belgium"), "Validity period" (with an unchecked checkbox), and "Remarks" (with a text area). At the bottom right, there are "Cancel" and "Save" buttons.

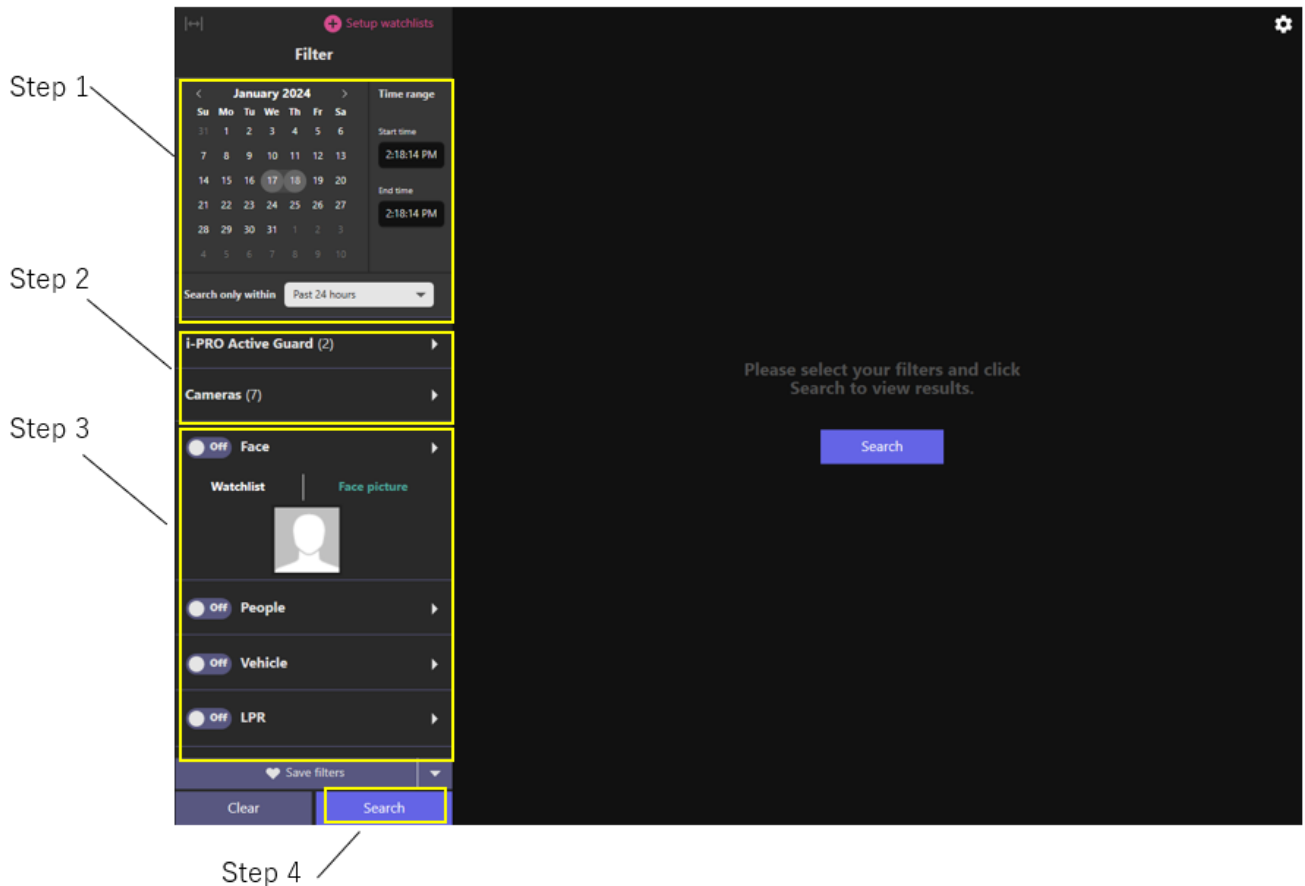
Action buttons can be utilized depending on type of objects.

	Search for similar characteristics 	Save facial features to Registered facial detection 	Save person's characteristics to Registered Person detection 	Save vehicle's characteristics to Registered vehicle detection 	Save license plate number to LPR detection *1 
Face filter	No	Yes	No	No	No
People filter	Yes	Yes	Yes	No	No
Vehicle filter	Yes	No	No	Yes	No
LPR filter	Yes	No	No	No	Yes

*1 In case of the thumbnail doesn't have license plate number information, button icon does not display.
Ex) In i-PRO Active Guard Sever settings, [Configure System] - [Database] – [Storing data] “License plate number” is unchecked case.

2.2.2. Thumbnail search

The following steps provide basic operation for using the thumbnail search. The search filter can find objects that you want to find out from a lot of recorded thumbnails. Then you can take next action such as playback the video, save the picture, and register to watchlist, etc.



Step 1

Specify the start time and end time or select [Search only within] for search objects.

Step 2

Select i-Pro Active Guard and AI Cameras. Select the Available Cameras option to search for a specific camera by name.

Step 3

Set up search filters. If no filters are selected, all objects detected by AI Cameras will be displayed.

Step 4

Click "Search".

2.3. i-PRO Active Guard Event

Using i-PRO Active Guard Event, you can watch what events occurred in the real time and also can find past events whatever you want to search.

2.3.1. UI Component

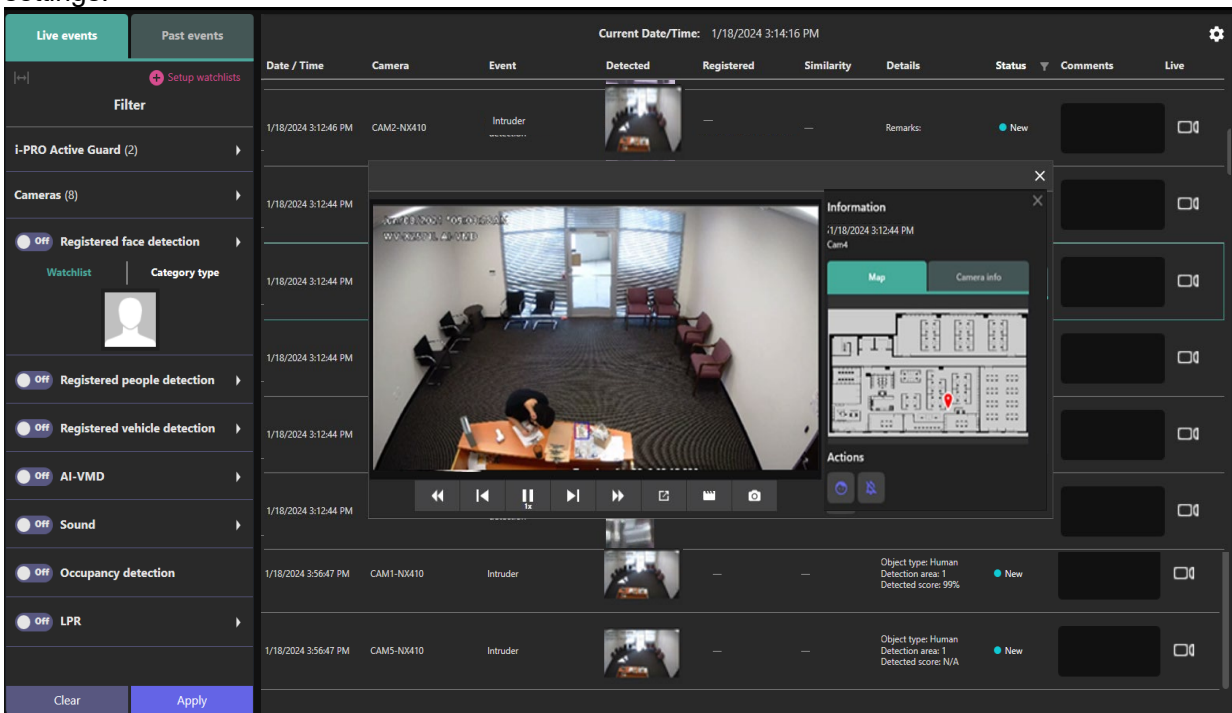
i-PRO Active Guard Event has two tabs that are Live events tab and Past events tab.

2.3.1.1. Overview

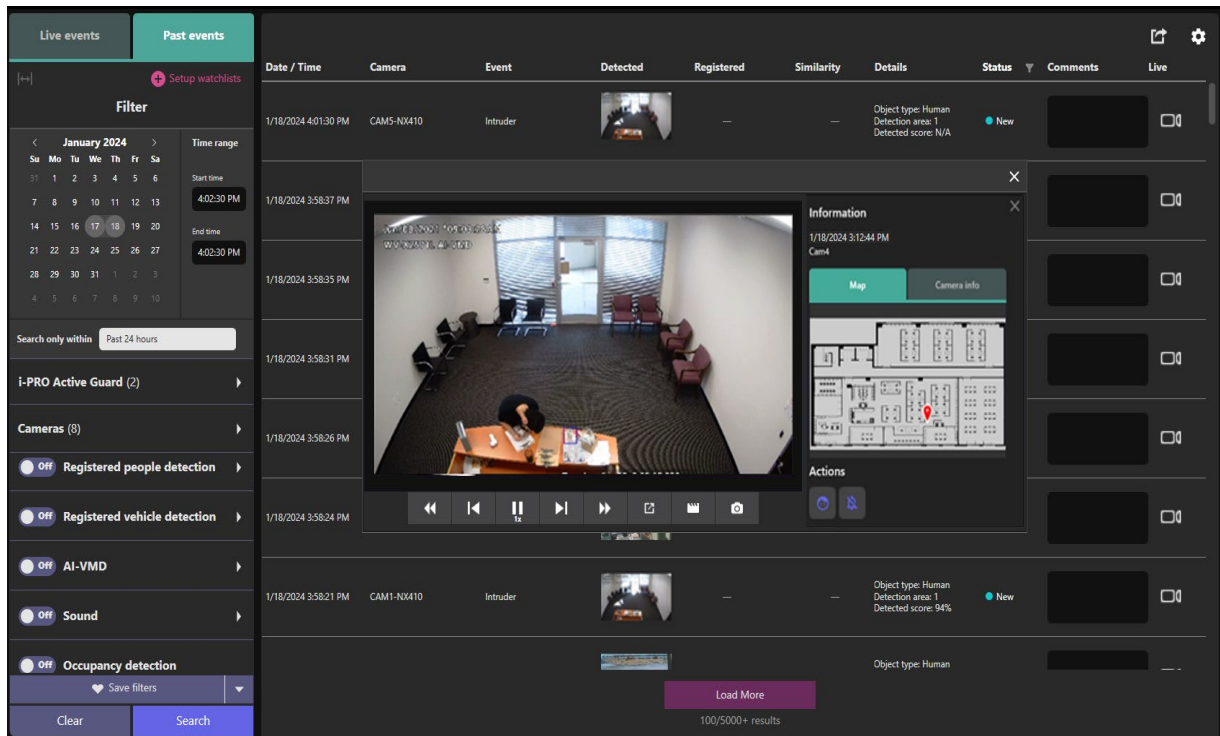
Live events tab and Past events tab are made from almost same UI components.

In this section, it describes the elements that compose the Live events tab and Past events tab.

Each tab is composed 4 main parts such as event filter pane, event list pane, event detail pane and settings.



Live events tab



Past events tab

Event filter pane	Switch tab (Live/Past events tab)	Switch views between monitoring events mode or search events in the past mode.
	Date/Time (Past events tab)	Start time and end time for search objects. This is used for only Past events tab.
	Search only within (Past events tab)	Select from Past 24 hours/Past week/Past month/None. - When select other than None, Date/Time filter are ignored. - When specify Date/Time filter, this setting will automatically become None.
	i-PRO Active Guard filter (Live/Past events tab)	Specify i-PRO Active Guard Server for search objects. *This setting will display when multiple i-PRO Active Guard servers are registered in Plug-in.
	Camera (Live/Past events tab)	Specify AI Cameras displaying events.
	Registered Face detection (Live/Past events tab)	Show face matching events.
	Registered People detection (Live/Past events tab)	Show people features matching events.
	Registered Vehicle detection (Live/Past events tab)	Show vehicle features matching events.
	AI-VMD (Live/Past events tab)	Show AI VMD detection events.
	Sound (Live/Past events tab)	Show sound detection events.
Occupancy (Live/Past events tab)	Show Occupancy detection events.	

detection (Live/Past events tab)	
AI Scene change detection (Live/Past events tab)	Show Scene change detection events.
LPR (Live/Past events tab)	Show below events. *1 - License plate detection events. - Registered license plate detection events. - Unregistered license plate detection events. - Registered advanced vehicle detection events.
Save filters (Past events tab)	Save filter settings with name up to 12.
Clear	Clear filter settings.
Apply	Activate filter settings.

Events list pane

Note:	
<ul style="list-style-type: none"> In Live events tab, while opening this view, the list is automatically updated if any event happens. In Past events tab, the results of search from recorded events are listed. 	
Current Date/Time (Live events tab)	Current date and time which is setting on PC.
Date/Time column (Live/Past events tab)	Detected date and time which is setup at camera.
Camera column (Live/Past events tab)	Camera name.
Event column (Live/Past events tab)	Event type.
Detected column (Live/Past events tab)	Detected thumbnail which is captured by camera.
Registered column (Live/Past events tab)	Registered images or names in watchlist. Registered column is only for matching event.
Similarity column	Detected score.
Details column (Live/Past events tab)	Object type, detected area, etc. Displayed information depends on event type.
Status column (Live/Past events tab)	Status for each event. New (Default)/Viewed/Dismissed Status can be changed by right click.
Comments column (Live/Past events tab)	Any comment up to 64 characters can be input.
Live column (Live/Past events tab)	Open live camera window.
Detected thumbnail (Live/Past events tab)	Click and open event detail pane. Right click and save the thumbnail as picture or video clip. *In case of Occupancy detection, thumbnail is not shown.
Result count (Past events tab)	Show the events search results count.
Load More (Past events tab)	Load next 100 events.
Event detail pane	Thumbnail detail pane Video control pane, information such as camera location, analysis score and camera information. (Live/Past events tab)

Set up watchlists	Face watchlist (Live/Past events tab)	Setup face watchlist.
	People watchlist (Live/Past events tab)	Setup people watchlist.
	LPR watchlist (Live/Past events tab)	Setup lpr watchlist.
Display mode	Display mode (Past events tab)	List or Timeline can be changed for Registered face detection search result.
Export result	Export result (Past events tab)	Export search result as HTML or CSV.
Settings	Preferences	Setup some environments about playback, event monitor etc.
	Software update	Displays the current version of i-PRO Active Guard server and Plug-in. And a notification will appear when the i-PRO Active Guard Server or plug-in are available for updates. *This setting will not appear in environments without an Internet connection.
	Attribute Settings	Setup visibility of attributes in filter and watchlist.

*1 LPR events summary

- License plate detection

Notifies all detected license plates received by the i-PRO Active Guard server.

Set "Notify all detected license plates" on the screen of "Register VMS" is required.

- Registered license plate detection

Notification when the license plate number registered in the lpr watch list matches.

The following settings are required on "LPR watchlist setup."

•Set "Detect by vehicle appearance only" to "Off."

•Set "Trigger" to "When license plates in the selected group was detected".

- Unregistered license plate detection

Notification when the license plate number unregistered in the lpr watch list detected.

The following settings are required on "LPR watchlist setup."

•Set "Detect by vehicle appearance only" to "Off."

•Set "Trigger" is set to "When other than license plates in the selected group was detected".

- Registered advanced vehicle detection

Notification when the vehicle appearance in the lpr watch list matches.

The following settings are required on "LPR watchlist setup."

•Set "Detect by vehicle appearance only" to "On."

2.3.1.2. About Event filter

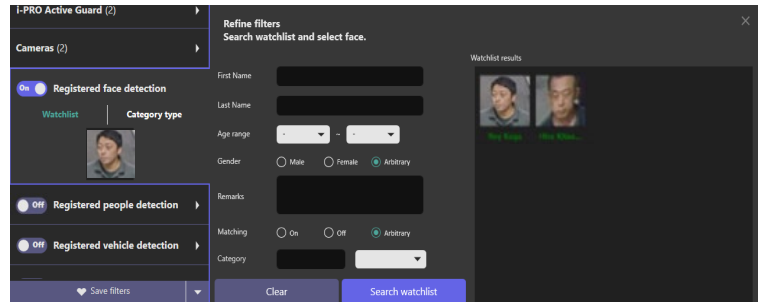
In this section, it describes about each events filter. For more information about the Camera filter, please refer to 2.2.1.2.

A. Registered Face detection

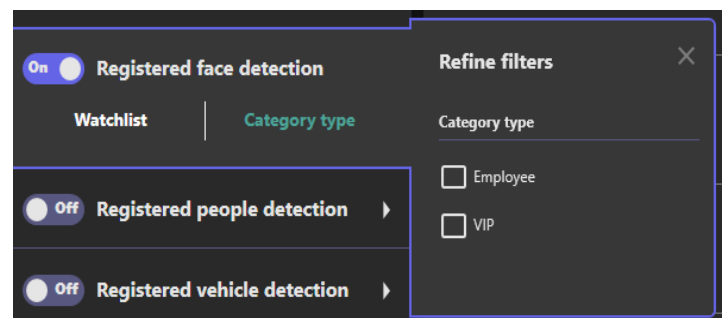
Being this filter enabled, the matching faces with Face watchlist are shown.

If you want to display a specific face, you can use Watchlist filter. Search registered faces by specifying search conditions then select one of results.

If you want to clear after setting, right click on the face image in the left panel then select Clear.



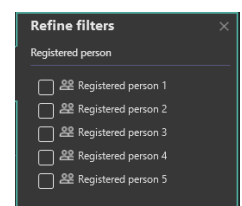
It is also possible to display by category registered in Watchlist.



B. Registered People detection

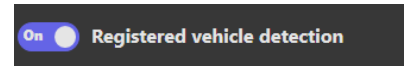
With this filter enabled, all the matching people with People watchlist are shown.

Also using filter panel, you can select specific registered items from people watchlist.

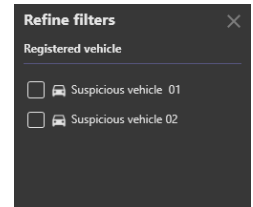


C. Registered vehicle detection

With this filter enabled, all the matching vehicle with vehicle watchlist are shown.



Also using filter panel, you can select specific registered items from vehicle watchlist



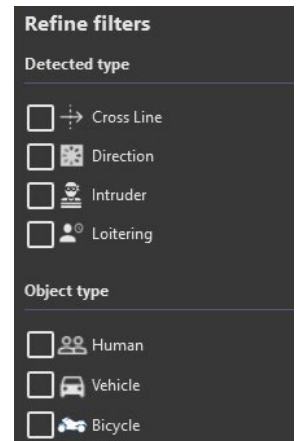
D. AI-VMD

With this filter enabled, all the detected AI-VMD events are shown.



Also using filter panel, you can select specific AI-VMD events to show.

By using On-site Learning application, you can increase any Object type. Please refer to the manual for details about On-site Learning application.

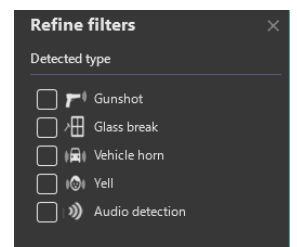


E. Sound

With this filter enabled, all the detected sound events are shown.

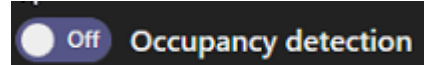


Also using filter panel, you can select specific sound events to show.



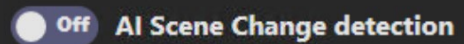
F. Occupancy detection

With this filter enabled, all the detected occupancy detection events are shown.



G. AI Scene change detection

With this filter enabled, all the detected scene change detection events are shown.



H. LPR

With this filter enabled, all the matching License plate with LPR watchlist and all detected license plates are shown.



i-PRO Active Guard Server configuration is required to display all detected license plates. see "i-PRO Active Guard Setup Instructions"

- 4.1.6 Alarm Notification configuration (optional)

Also using filter panel, you can select specific registered items from LPR watchlist






2.3.1.3. About event detail pane

By selecting one of the events from the list, you can take various actions such as playback video, open live camera, and register the thumbnail to watchlist and so on. Please refer to the section of 2.2.1.3. About thumbnail detail pane regarding of each function.


Details for playback control, please refer to 2.4. PLAYBACK VIDEO CONTROL.

Action buttons can be utilized depending on type of events.

	Save facial features to Registered facial detection 	Save license plate number to LPR detection *1 	Change alarm status 
Registered face detection filter	Yes	No	Yes
LPR filter	No	Yes	Yes
Other than Registered face detection and LPR filter	No	No	Yes

*1 In case of the thumbnail doesn't have license plate number information, button does not display.

Ex) In i-PRO Active Guard Sever settings, [Configure System] - [Database] - [Storing data] "License plate number" is unchecked case.

- A.  Save facial features to Faces watchlist

Refer to 2.2.1.3.

- B.  Save license plate features to LPR watchlist

Refer to 2.2.1.3.

- C.  Change alarm status

Change status to dismissed

change alarm status to dismissed. Alarm status can be used for filter.

AUX close

AUX open

sends AUX control command to camera that detects the event.

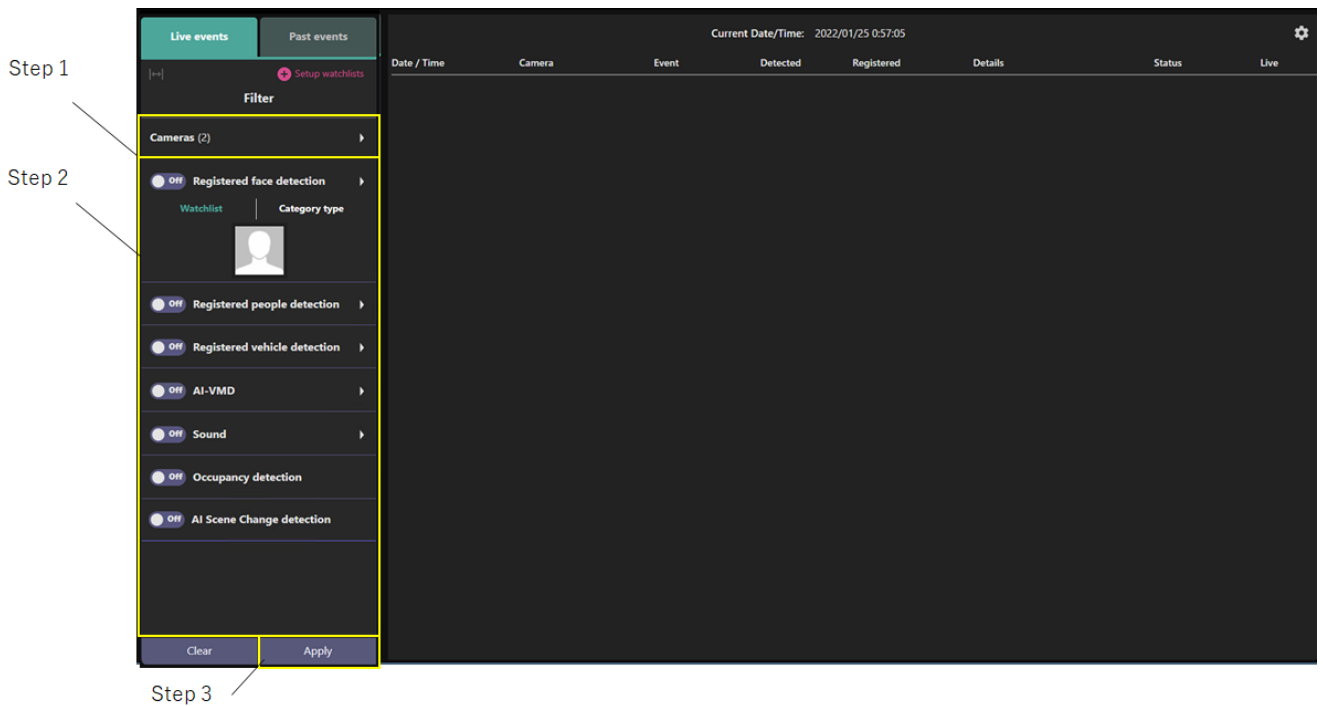
It needs to configure [AUX output] for [Terminal 3] on camera setting.

Suspend camera's alarm status

sends alarm suspend command to camera that detects the event.

2.3.2. Monitor live events

The following steps provide basic operations for monitoring events basic operations for monitor events.



When multiple i-PRO Active Guard servers are registered in Plug-in, Show events for only one selected server. If you want to display events from all servers, set [Show alarms from all i-PRO Active Guard on Live events] in Preferences. See 2.6 for Preferences

Step 1

All cameras are selected as default. If you want to specify cameras, you can use camera filter.

Step 2

Set up event filters. You can specify type of event by using event filters.
Not using any filters displays all detected events.

Step 3

Click Apply.

2.3.3. Search past events

The following steps provide basic operations for searching past events.



Step 1

Specify the start time and end time or select [Search only within] for search objects.

Step 2

Select AI Cameras. All AI Cameras are selected as default.

Step 3

Set up search filters. If no filters are selected, all objects detected by AI Cameras will be displayed. Available search filters include:

- Registered face detection
- Registered people detection
- Registered vehicle detection
- AI-VMD
- Sound
- LPR
- Occupancy detection
- AI Scene Change detection

Step 4

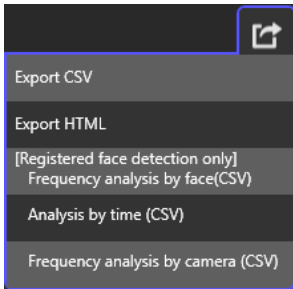
Click Search. Results are displayed as shown below.

	Date / Time	Camera	Event	Detected	Registered	Similarity	Details	Status	Comments	Live
	1/18/2024 4:07:31 PM	CAM1-NX410	Intruder		—	—	Object type: Vehicle Detection area: 1 Detected score: 72%	New		
	1/18/2024 4:07:26 PM	CAM1-NX410	Intruder		—	—	Object type: Vehicle Detection area: 1 Detected score: 98%	New		
	1/18/2024 4:07:20 PM	CAM1-NX410	Intruder		—	—	Object type: Vehicle Detection area: 1 Detected score: 88%	New		
	1/18/2024 4:07:15 PM	CAM1-NX410	Intruder		—	—	Object type: Vehicle Detection area: 1 Detected score: 99%	New		
	1/18/2024 4:07:10 PM	CAM1-NX410	Intruder		—	—	Object type: Vehicle Detection area: 1 Detected score: 100%	New		
	1/18/2024 4:07:05 PM	CAM1-NX410	Intruder		—	—	Object type: Vehicle Detection area: 1 Detected score: 99%	New		
	1/18/2024 4:07:00 PM	CAM1-NX410	Intruder		—	—	Object type: Vehicle Detection area: 1 Detected score: 99%	New		
	1/18/2024 4:06:54 PM	CAM1-NX410	Intruder		—	—	Object type: Vehicle Detection area: 1 Detected score: 73%	New		

Load More
200 of 2531 results

2.3.4. Export search result of past events

Search results can be exported as HTML or CSV format



Export CSV

output as CSV file.

Export HTML

output as HTMLfile.

Following option can be used only when “Registered face detection” filter is selected.

Frequency analysis by face (CSV)

Based on the alarm search results, the number of alarm occurrences and the total number of alarm occurrences per day for registered faces are output. Information about faces with 0 occurrences is not output.

Analysis by time (CSV)

Based on the alarm search results, the number of alarm occurrences and the total number of alarm occurrences per hour for the registered face are output. Information about faces with 0 occurrences is not output

Frequency analysis by camera (CSV)

Based on the alarm search results, the number of alarm occurrences and the total number of alarm occurrences for the camera per hour are output. Information about cameras with 0 occurrences is not output.










2.4. Playback video control

2.4.1. Playback operation

When viewing video on a thumbnail/event detail pane, the following a set of video controls appear. In order to play, the video must be recorded on the network disk recorder.



The video operation controls are described below.

		Play or pause the video recording.
		Fast playback or fast rewind the video recording.
		In pause mode, forward and backward navigation through each frame on the timeline.
		Open new window to playback video.
		Export video as MP4 or n3r format from selected the thumbnail.
		Take a snapshot and save as file or clipboard.

Digital zoom is possible by moving the mouse wheel on the image.

Note:

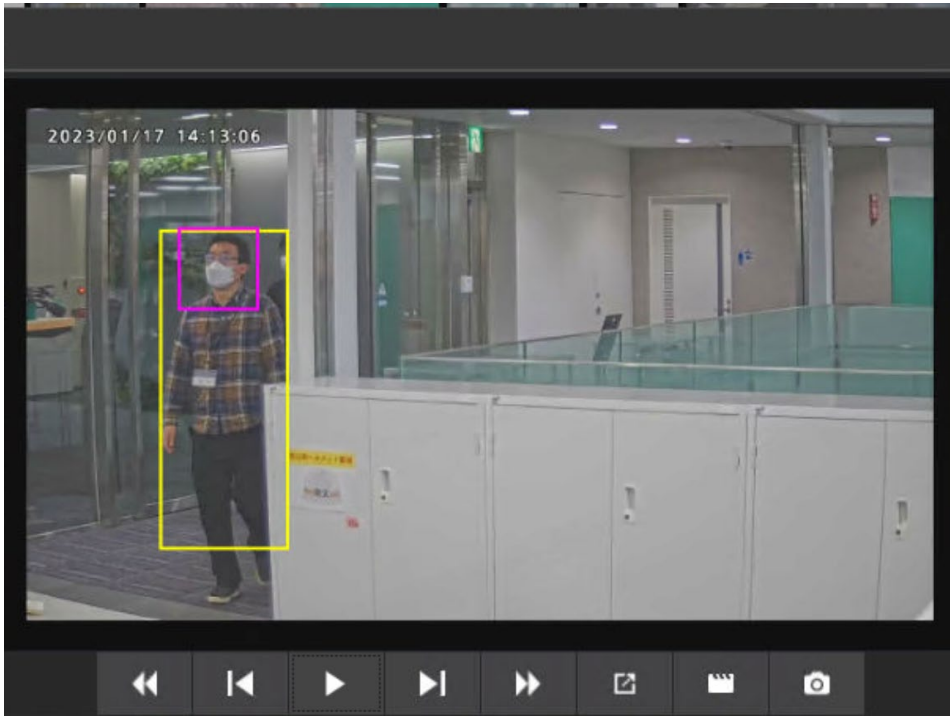
- If your PC supports hardware decoding, hardware decoding will be performed automatically. If hardware decoding is not supported and the resolution of the recorded video is larger than 9M (2992x2992), video display may be delayed or not displayed correctly. Please refer to the WV-ASM300 manual to how to check whether your PC supports hardware decoding.
 - When hard decoding is performed on H.264 recorded video, the phenomenon that the video turns green may occur. This phenomenon may occur due to the combination of PC hardware and driver software. If this occurs, close the playback screen and then try playback again.
-

2.4.2. Search and Registration from Playback video

It is possible to search for similar faces, people, and vehicles from playback video and to register them in the watchlists.

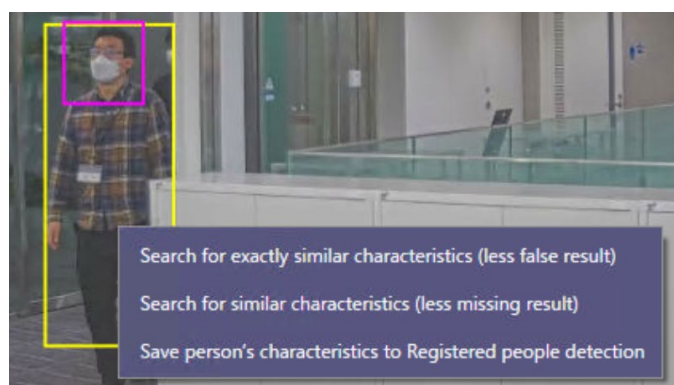
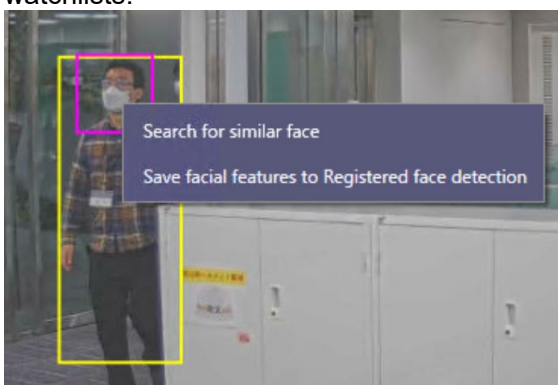
Step 1

When you click pause/forward/reverse frame in the playing video, faces, people, and vehicles are detected.



Step 2

With a right click in the frame, you can search for similar images or register them in the similarity search or watchlists.

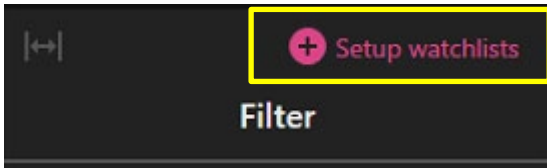


Note:

- It may not be detected depending on the video image.
-

2.5. Setup watchlists

Click [Setup watchlists] button for Face watchlist, People watchlist, Vehicle watchlist, LPR watchlist.



2.5.1. Face Watchlist

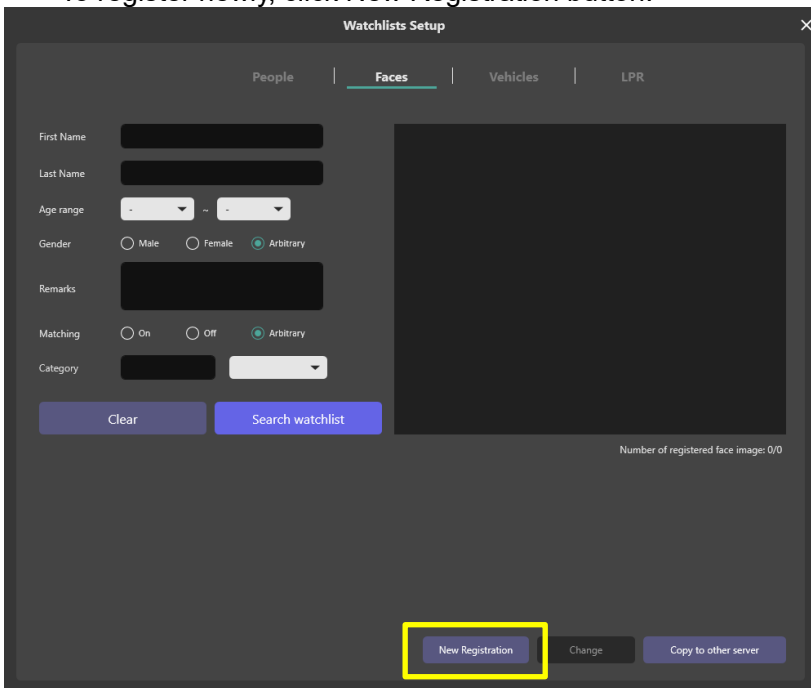
This section describes the operation of add, edit, and delete.

If you don't have a permission to access the watchlist or your camera configuration has no AI-Camera which installed face detection application, then this function is not available.


2.5.1.1. New registration

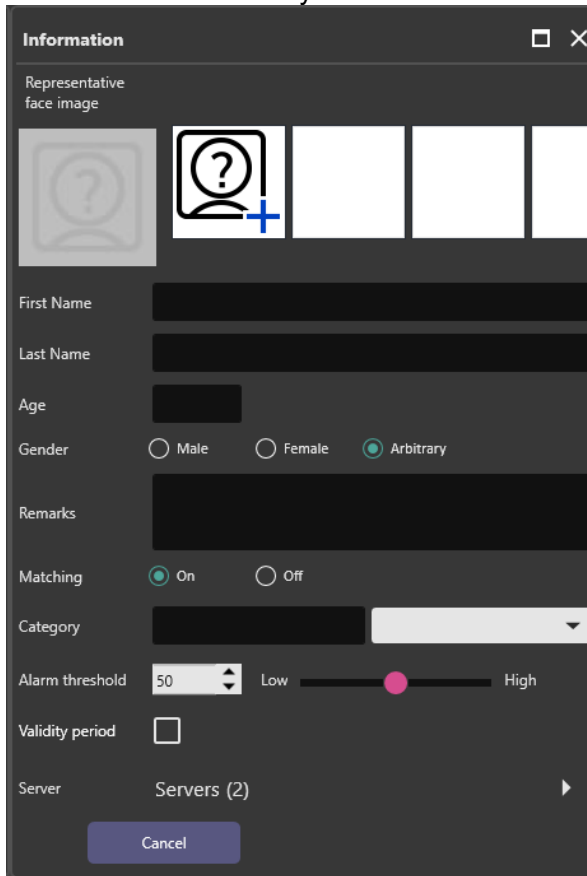
Step 1

To register newly, click New Registration button.

A screenshot of the 'Watchlists Setup' dialog box, 'Faces' tab. The dialog has a dark background and contains several input fields: 'First Name', 'Last Name', 'Age range' (with dropdowns), 'Gender' (radio buttons for Male, Female, and selected Arbitrary), 'Remarks', 'Matching' (radio buttons for On, Off, and selected Arbitrary), and 'Category' (with a dropdown). There are 'Clear' and 'Search watchlist' buttons. At the bottom, there is a 'New Registration' button highlighted with a yellow box, along with 'Change' and 'Copy to other server' buttons. The status 'Number of registered face image: 0/0' is visible at the bottom right.

Step 2

One face image must be registered at least.
Click  icon then select the file you want to use.

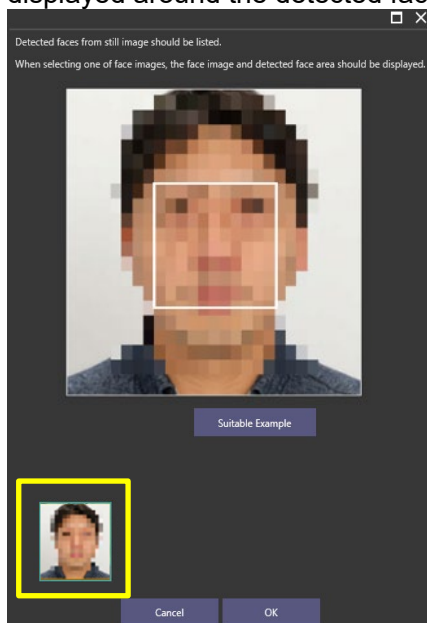


The 'Information' dialog box contains the following fields and controls:

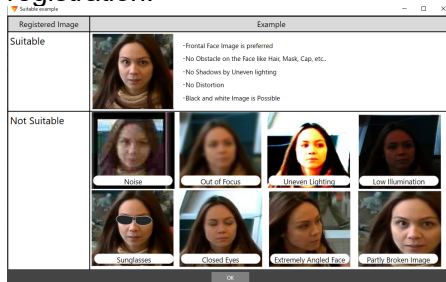
- Representative face image:** A row of five image slots. The first slot is a faded placeholder with a question mark. The second slot contains a question mark icon with a blue plus sign, indicating a file selection prompt. The remaining three slots are empty.
- First Name:** A text input field.
- Last Name:** A text input field.
- Age:** A text input field.
- Gender:** Radio buttons for Male, Female, and Arbitrary.
- Remarks:** A text input field.
- Matching:** Radio buttons for On and Off.
- Category:** A dropdown menu.
- Alarm threshold:** A slider set to 50, with 'Low' and 'High' labels.
- Validity period:** A checkbox.
- Server:** A dropdown menu showing 'Servers (2)'.
- Cancel:** A button at the bottom.

Step 3

Then analyzing will begin and the detected faces are displayed. If there are some people on the file, all detected faces are displayed. Select a face (yellow area in below) then white frame will be displayed around the detected face.



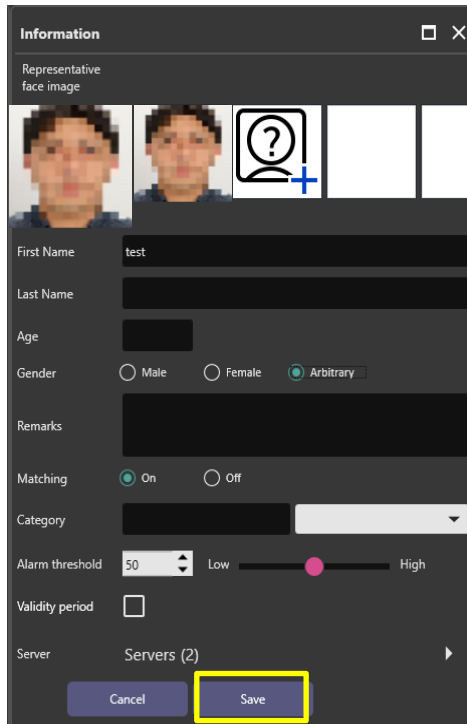
By pressing the "Suitable Example" button, you can see a sample of face image quality suitable for registration.



Recommended width of face for registration is more than 75 pixel. When the selected face is under the value, message is shown.

Step 4

Input other information then click Save. First Name or Last Name is required.



The screenshot shows a dark-themed 'Information' dialog box with a close button in the top right. It features a 'Representative face image' section with two face photos and a placeholder with a question mark and a plus sign. Below this are input fields for 'First Name' (containing 'test'), 'Last Name', 'Age', and 'Remarks'. The 'Gender' section has radio buttons for 'Male', 'Female', and 'Arbitrary' (which is selected). There is a 'Matching' section with 'On' and 'Off' radio buttons ('On' is selected). The 'Category' is a dropdown menu. The 'Alarm threshold' is set to 50, with a slider between 'Low' and 'High'. The 'Validity period' has an unchecked checkbox. The 'Server' section shows 'Servers (2)' with a right-pointing arrow. At the bottom are 'Cancel' and 'Save' buttons, with the 'Save' button highlighted by a yellow rectangle.

Note:

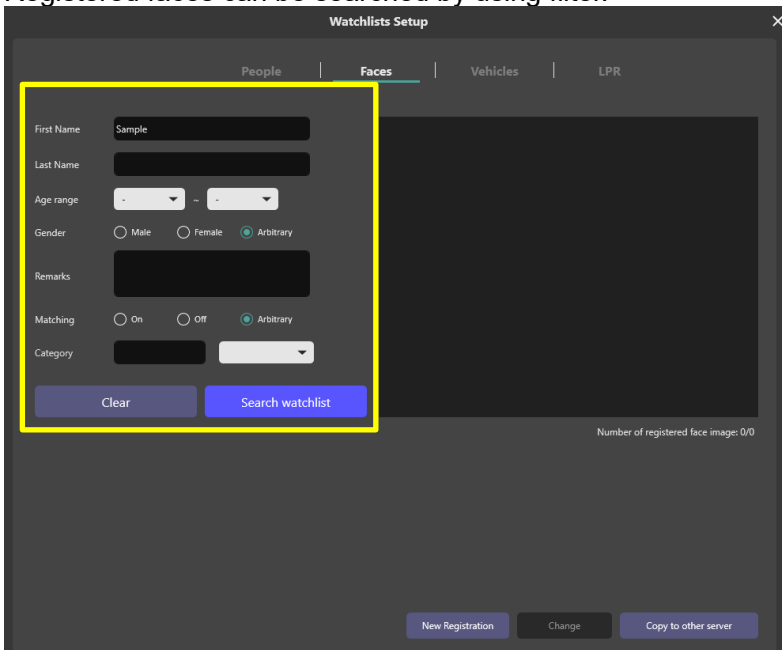
- Up to 1000 faces can be registered in total.
 - Up to 10 faces can be registered per a watchlist.
 - The Alarm threshold low means missing faces will be decreased but false alarm may be increase. High means false alarm will be decreased but missing faces may be increased. It can be set for individual person. Please adjust according to your environment and registered face image.
 - In Validity Period, two expiration dates can be set.
Disable matching: After the expiration date, this person's face will not be detected.
Delete registration: After the expiration date, we will delete the registration itself of this person.
-

2.5.1.2. Edit registration

Step 1

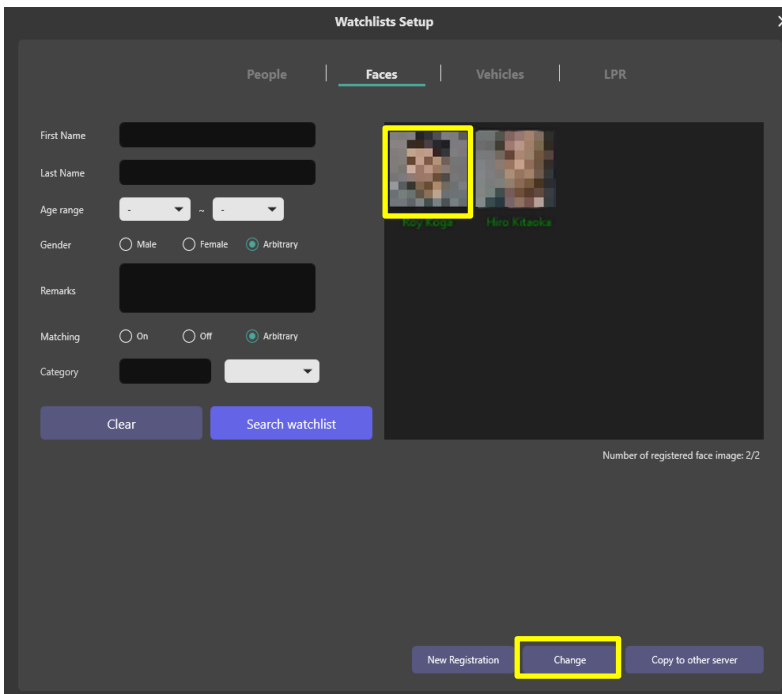
First, find registered face you want to edit the information.

Registered faces can be searched by using filter.



Step 2

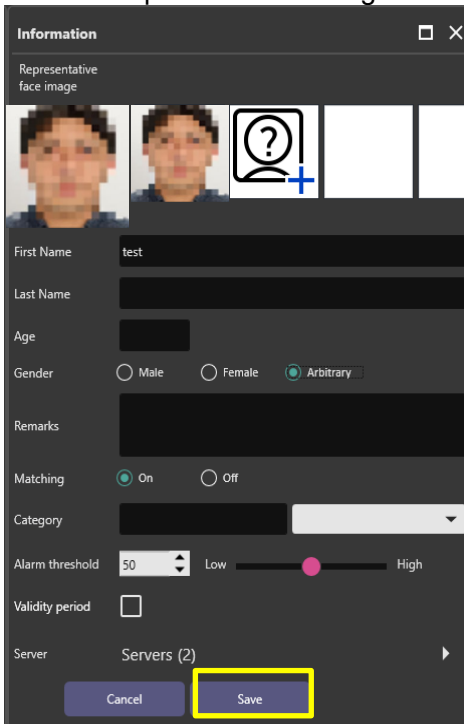
Select one of faces from search results, then click Change button.



Step 3

Edit any information then click Save.

When multiple AI server is registered to Plug-in, select server to register from [Server].



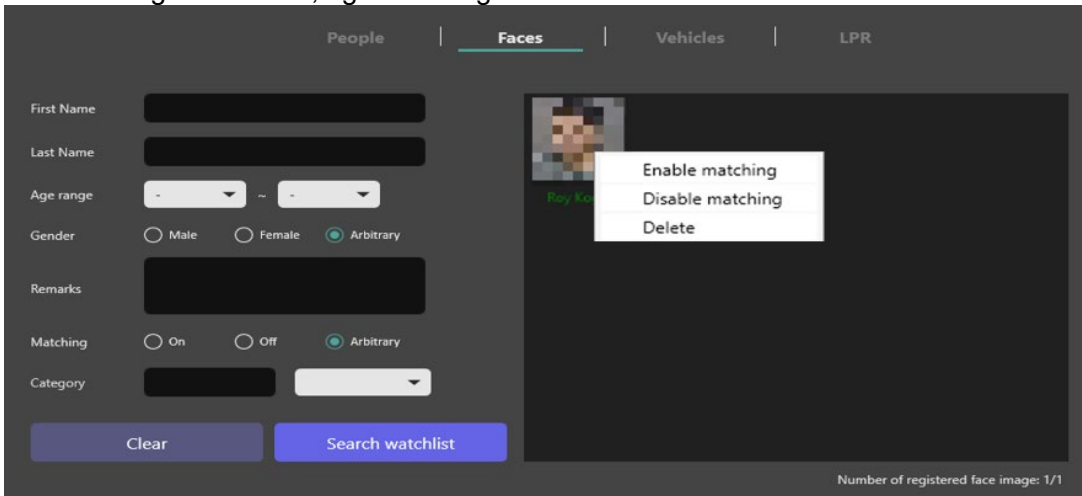
The screenshot shows a dark-themed 'Information' dialog box with a close button in the top right. It features a 'Representative face image' section with two face photos and a placeholder with a question mark and a plus sign. Below this are input fields for 'First Name' (containing 'test'), 'Last Name', and 'Age'. The 'Gender' section has radio buttons for 'Male', 'Female', and 'Arbitrary' (which is selected). There is a 'Remarks' text area, a 'Matching' section with 'On' and 'Off' radio buttons (with 'On' selected), a 'Category' dropdown menu, an 'Alarm threshold' section with a slider set to 50 (between 'Low' and 'High'), and a 'Validity period' checkbox. At the bottom, the 'Server' field shows 'Servers (2)' with a right-pointing arrow. Two buttons, 'Cancel' and 'Save', are at the bottom, with the 'Save' button highlighted by a yellow rectangle.

Note:

- Up to 1000 faces can be registered in total.
 - Up to 10 faces can be registered per a watchlist.
 - The Alarm threshold low means missing faces will be decreased but false alarm may be increase. High means false alarm will be decreased but missing faces may be increased. It can be set for individual person. Please adjust according to your environment and registered face image.
 - In Validity Period, two expiration dates can be set.
Disable matching: After the expiration date, this person's face will not be detected.
Delete registration: After the expiration date, we will delete the registration itself of this person.
-

2.5.1.3. Delete Registration

To delete registered face, right click registered face then click Delete.



Note:

- To delete face watchlist from multiple i-PRO Active Guard server at the same time, select servers from Edit face registration (refer to 2.5.1.2) and click [Delete].
-

2.5.1.4. Copy watchlists to other server

All registered face watchlists in i-PRO Active Guard server can be copied to another sever. The copy source server and the copy destination server must be registered in Plug-in in advance.

Step 1

Click [Copy to other server]

The screenshot shows the 'Watchlists Setup' dialog box with the 'Faces' tab selected. The dialog contains several input fields and buttons. The 'Copy to other server' button is highlighted with a yellow box.

Number of registered face image: 2/2

Step 2

Select Copy from and click [Get] button, select the face image you want to copy from the registered face images, specify the copy destination server, and click the [Copy] button.

The screenshot shows the 'Copy Watchlist' dialog box. It has two steps: '1. Select 'Copy from' and click 'Get'' and '2. Select 'Copy to' and click 'Copy''. The 'Get' and 'Copy' buttons are highlighted with yellow boxes. Below the steps is a table of registered face images with columns for Representative face, Name, Age, Gender, Category, Matching, Alarm threshold, Validity period, Behavior when expired, Remarks, ID, and Result. The first two rows are highlighted with yellow boxes.

Representative face	Name	Age	Gender	Category	Matching	Alarm threshold	Validity period	Behavior when expired	Remarks	ID	Result
	1123		Arbitrary	VIP	<input type="radio"/>	50		Disable matching		87F10FF5-343A-4A8A-8D2E-A49C133268F7	
	22 22		Arbitrary	VIP	<input type="radio"/>	50		Disable matching		391E71F5-6726-40D2-A307-B648644D0AA6	

Step 3

When the copy is completed, the face image will be registered in the copy destination server.

Note:

If the upper limit of 1000 is already registered for the face image in the copy destination, copying will not be performed.

If the copy destination has the same ID, the face image will be skipped.

2.5.2. People Watchlist

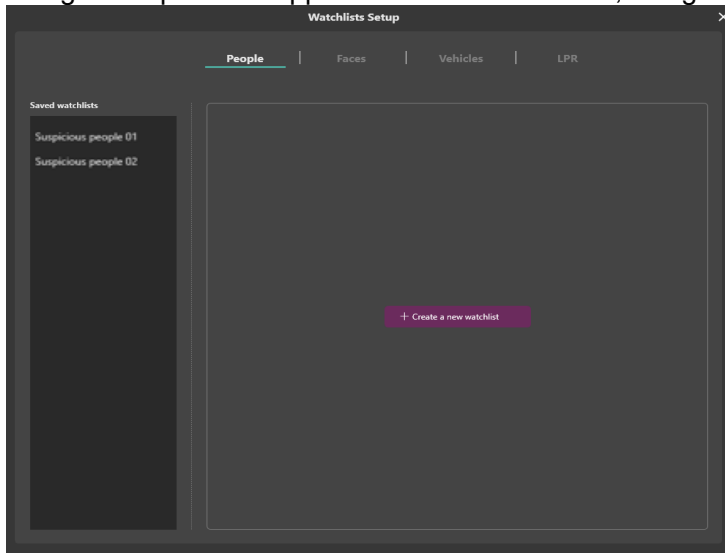
This section describes the operation of add, edit, and delete.

If you don't have a permission to access the watchlist or your camera configuration has no AI-Camera which installed people detection application, then this function is not available.

2.5.2.1. New registration (To manually select attributes)

Step 1

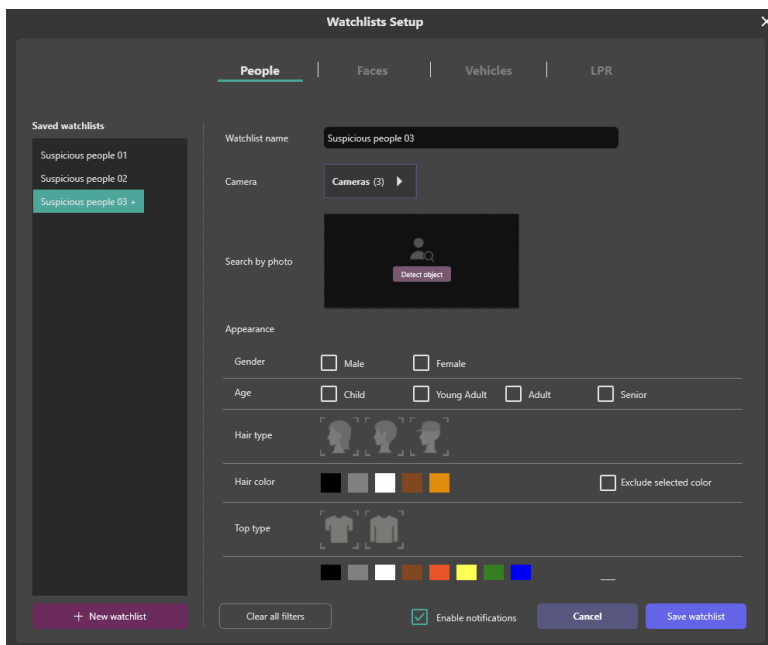
To register a person's appearance to the watchlist, navigate to Set up watchlists button > People tab.



Step 2

Registered items are listed on the left side, or it uploads the people picture.

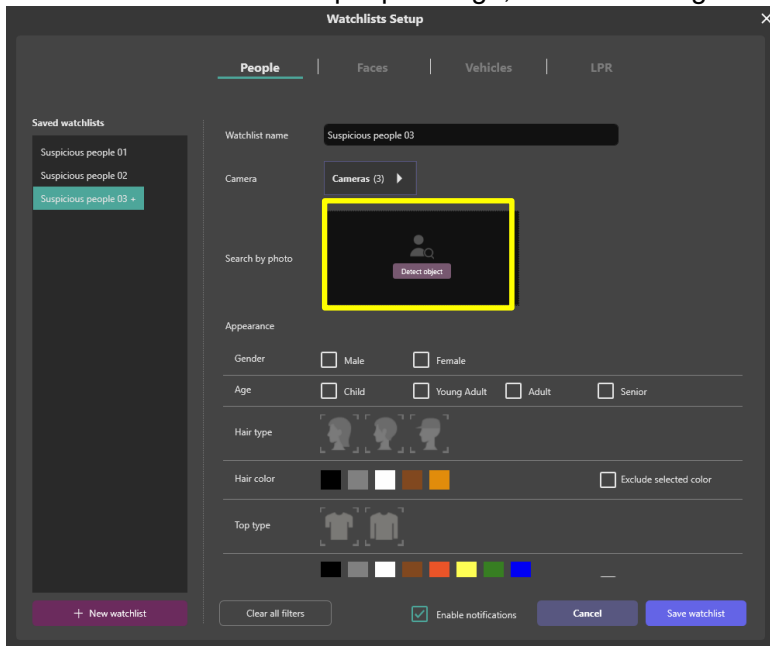
To add new item, click "+ Create a new watchlist" button then select appearance items.



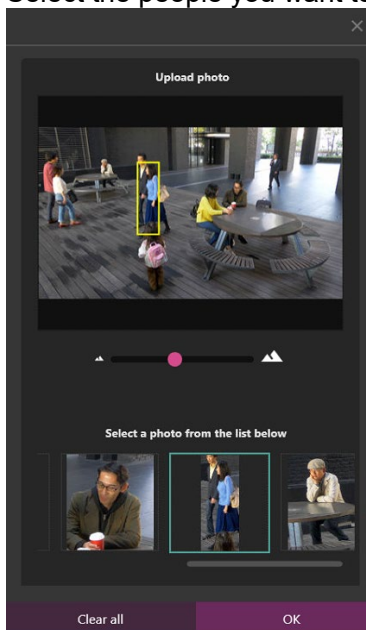
2.5.2.2. New registration (To select attributes from an image)

This procedure automatically selects and registers attributes from an image.

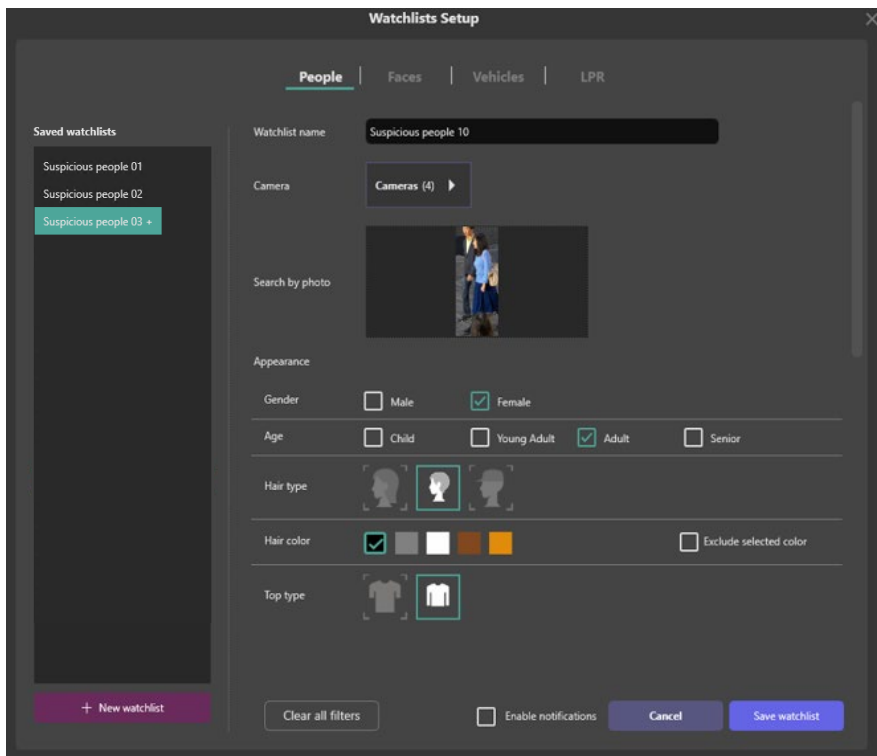
To select attributes from a people image, select the image to be registered from  icon.



Select the people you want to register from the detected list.



Make sure the attribute is automatically selected, and then click "Save".

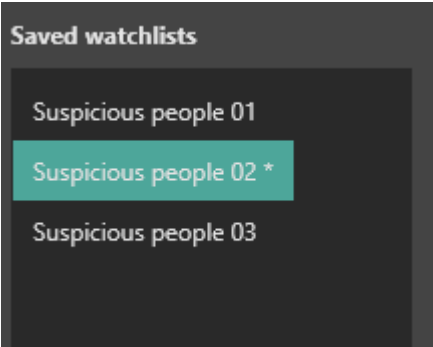


Note:

- Up to 12 people watchlist can be registered.
 - Basically, only one item can be selected from each category. This is because many items register would affect false positives.
Color specification except for bag color allows specifying multiple items.
 - In Validity Period, two expiration dates can be set.
Disable matching: After the expiration date, this person's face will not be detected.
Delete registration: After the expiration date, we will delete the registration itself of this person.
 - It is impossible to register to multiple i-PRO Active Guard server at the same time.
-

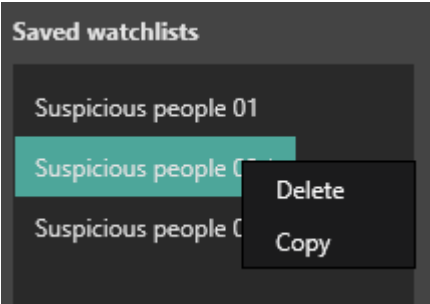
2.5.2.3. Edit registration

To edit a registered person's appearance, select one of registered item then change selected appearance item.



2.5.2.4. Delete registration

To delete a registered person's appearance, right click one of registered item.



2.5.3. Vehicle Watchlist

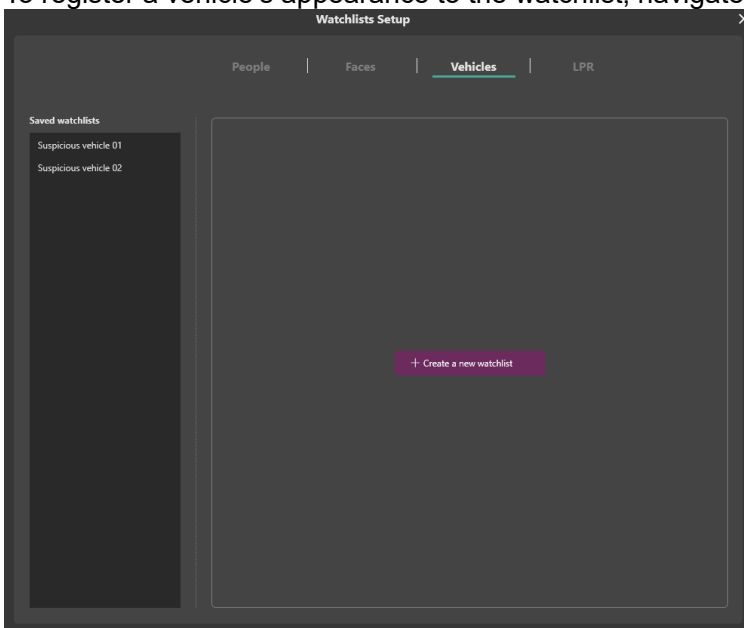
This section describes the operation of add, edit, and delete.

If you don't have a permission to access the watchlist or your camera configuration has no AI-Camera which installed vehicle detection application, then this function is not available.

2.5.3.1. New registration (To manually select attributes)

Step 1

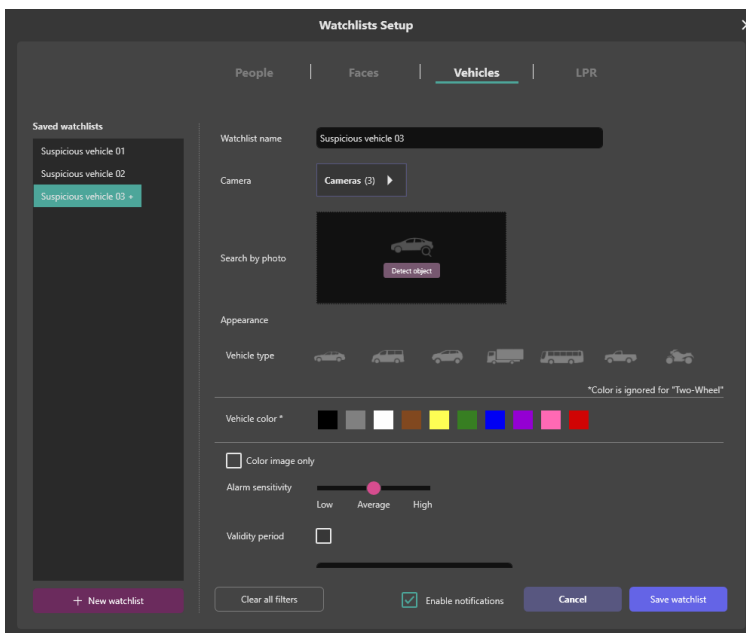
To register a vehicle's appearance to the watchlist, navigate to Set up watchlists button > vehicles tab.



Step 2

Registered items are listed on the left side, or it uploads the vehicle's picture.

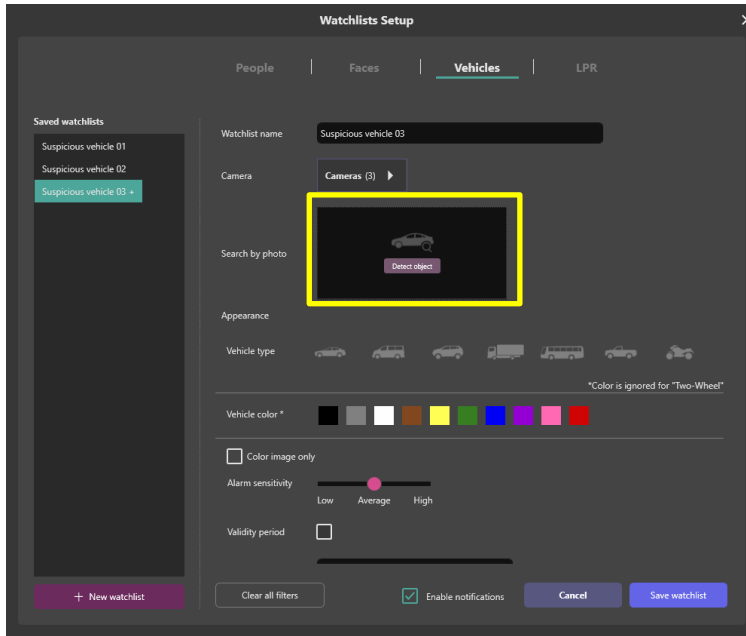
To add new item, click "+ Create a new watchlist" button then select appearance items .



2.5.3.2. New registration (To select attributes from an image)

This procedure automatically selects and registers attributes from an image.

To select attributes from a vehicle image, select the image to be registered from  icon.



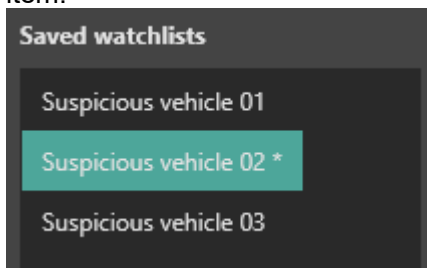
The following procedure is the same as when registering people watchlists, see 2.5.2.2.

Note:

- Up to 12 vehicle watchlist can be registered.
 - Only one item can be selected from each category. This is because many items register would affect false positives.
 - In Validity Period, two expiration dates can be set.
Disable matching: After the expiration date, this vehicle will not be detected.
Delete registration: After the expiration date, we will delete the registration itself of this vehicle.
 - It is impossible to register to multiple i-PRO Active Guard server at the same time.
-

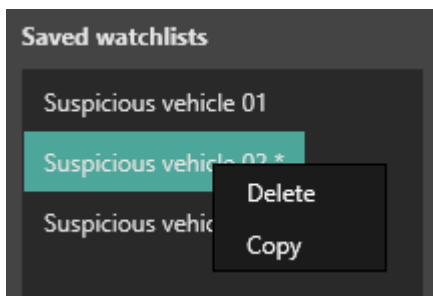
2.5.3.3. Edit registration

To edit a registered vehicle appearance, select one of registered item then change selected appearance item.



2.5.3.4. Delete registration

To delete a registered vehicle appearance, right click one of registered item.



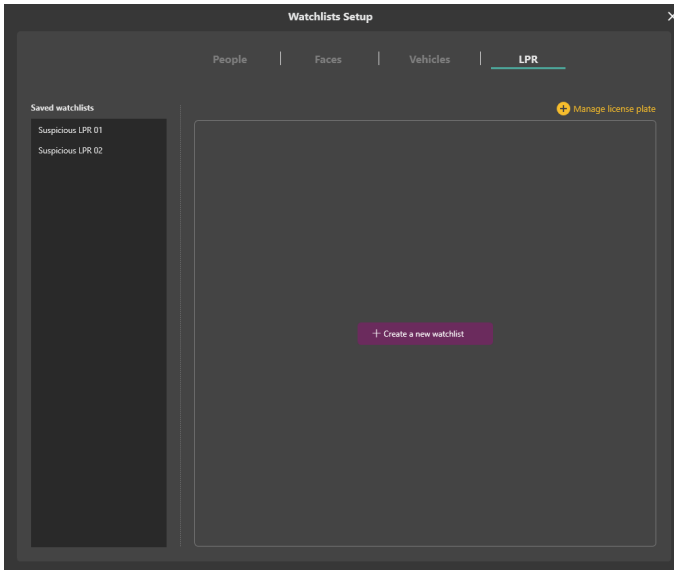
2.5.4. LPR Watchlist

This section describes the operation of add, edit, and delete.

If you don't have a permission to access the watchlist or your camera configuration has no AI-Camera which installed VaxALPR application, then this function is not available.

- **Add Registration**

To register a vehicle's appearance or License plate to the watchlist, navigate to Set up watchlists button > LPR tab.

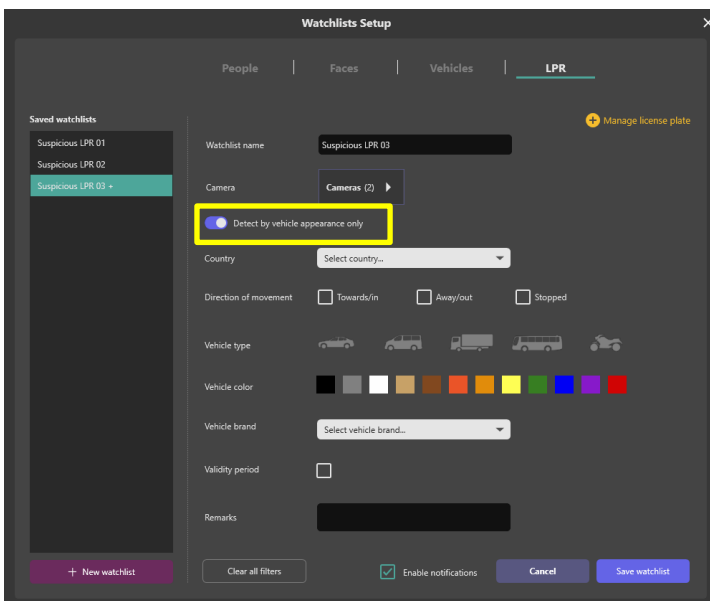


Registered items are listed on the left side or it uploads the vehicle's picture.

To add new item, click "+ Create a new watchlist" button.

- **Add Registration (vehicle appearance)**

Set "Detect by vehicle appearance only" to "On," then select appearance items.



- **Add Registration (License Plate Group)**

Set “Detect by vehicle appearance only” to “Off,” then select license plate group and Trigger.

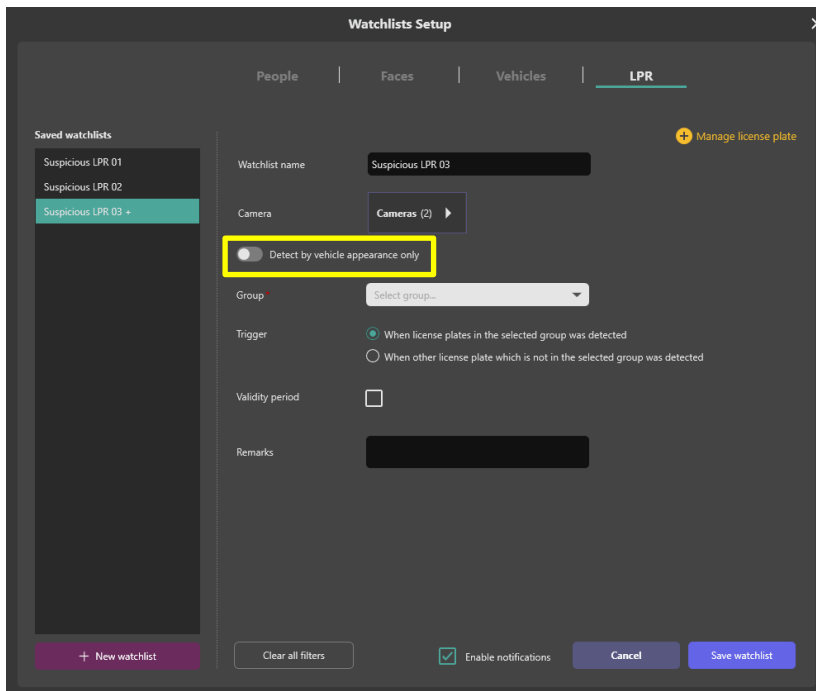
Note)

License plate numbers cannot be set directly in the watchlist.

Please register the license plate to license plate group.

About license plate group, please see 2.5.4.1.

About license plate, please see 2.5.4.2.



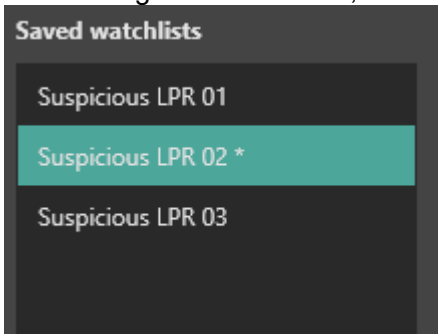
The following procedure is the same as when registering people watchlists, see 2.5.2.

Note:

- There is no limitation to the number of license plate and license plate group (*depending on the system design).
Up to 12 LPR watchlist can be registered.
 - Only one item can be selected from each category. This is because many items register would affect false positives.
 - In Validity Period, two expiration dates can be set.
Disable matching: After the expiration date, this LPR will not be detected.
Delete registration: After the expiration date, we will delete the registration itself of this LPR.
 - It is impossible to register to multiple i-PRO Active Guard server at the same time.
-

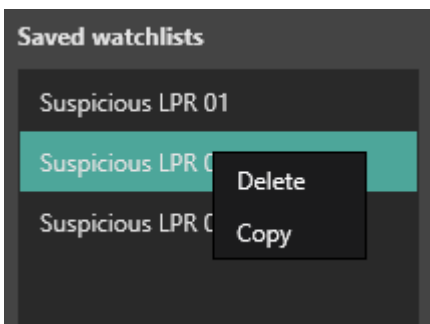
- **Edit Registration**

To edit a registered watchlist, select one of registered item then change selected item.



- **Delete Registration**

To delete a registered vehicle appearance, right click one of registered item.



2.5.4.1. Manage License plate group

- **Add Registration**

Step 1

In LPR Watchlist Setup screen, click “+ Manage license plate.”

The screenshot shows the 'Watchlists Setup' dialog box with the 'LPR' tab selected. On the left, there is a 'Saved watchlists' list containing 'Suspicious LPR 01', 'Suspicious LPR 02', and 'Suspicious LPR 03 +'. The main area shows configuration for 'Suspicious LPR 03'. A yellow box highlights the '+ Manage license plate' button in the top right corner. Other fields include 'Watchlist name', 'Camera (2)', a toggle for 'Detect by vehicle appearance only', a 'Group' dropdown, 'Trigger' options, 'Validity period', and 'Remarks'. At the bottom, there are buttons for '+ New watchlist', 'Clear all filters', 'Enable notifications', 'Cancel', and 'Save watchlist'.

Step 2

Click “Manage groups.”

The screenshot shows the 'Watchlists Setup' dialog box with the 'LPR' tab selected. The 'Registered license plates' section is active, showing a table with columns: License plate, First Name, Last Name, Owner photo, Group, Country, State, and Validity period. A yellow box highlights the 'Manage groups' button in the top right corner of this section. To the left, there is a 'Filter watchlists' panel with input fields for 'License plate', 'Owner's first name', 'Owner's last name', 'Group', 'Country', and 'Validity period'. At the bottom, there are 'Clear all' and 'Search' buttons. A footer note states: '* If the number of search results exceed 1,000, the latest 1,000 items are shown. Registered license plate results'.

Step 3

Input group name, and "+ Add" button.

The screenshot shows a dark-themed dialog box titled "Manage groups" with a close button (X) in the top right corner. At the top, there is a text input field with a vertical cursor, a blue "+ Add" button, and two grey buttons labeled "Update" and "Remove". Below this is a section titled "Name" containing a list of group names: "group1" and "group2". The "group2" entry is highlighted with a grey background.

Step 4

Click Save group button.

After setting, please close with "x".

The screenshot shows the same "Manage groups" dialog box. The text input field now contains "group3 +". The list of group names includes "group3 +", "group1", and "group2". The "group1" entry is highlighted. At the bottom of the dialog, there are two buttons: "Cancel" and "Save group". The "Save group" button is highlighted with a yellow box. The close button (X) in the top right corner is also highlighted with a yellow box.

- **Edit Registration**

Step 1

Select one of group name from list, then edit group name and click Update button.

Step 2

Click Save group button.

- **Delete Registration**

Step 1

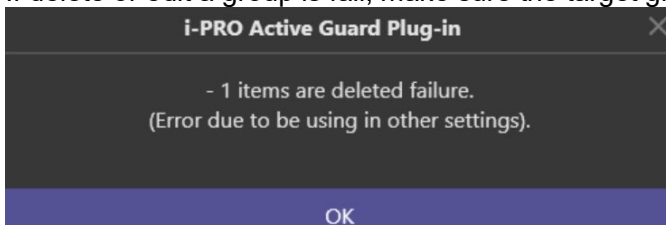
Select one of group name from list, then click Remove button.

Step 2

Click Save group button.

Note)

If delete or edit a group is fail, make sure the target group is not in your LPR watchlists.



2.5.4.2. Manage License plate

- Add Registration (manual registration)

Step 1

In LPR Watchlist Setup screen, click “+ Manage license plate.”

The screenshot shows the 'Watchlists Setup' dialog box with the 'LPR' tab selected. On the left, there is a 'Saved watchlists' list containing 'Suspicious LPR 01', 'Suspicious LPR 02', and 'Suspicious LPR 03'. The main area is for configuring a watchlist named 'Suspicious LPR 03'. It includes fields for 'Camera' (set to 'Cameras (2)'), a toggle for 'Detect by vehicle appearance only', a 'Group' dropdown, and a 'Trigger' section with two radio button options. At the bottom, there are buttons for '+ New watchlist', 'Clear all filters', 'Enable notifications' (checked), 'Cancel', and 'Save watchlist'. A yellow box highlights the '+ Manage license plate' button in the top right corner.

Step 2

Click “+ New License plate.”

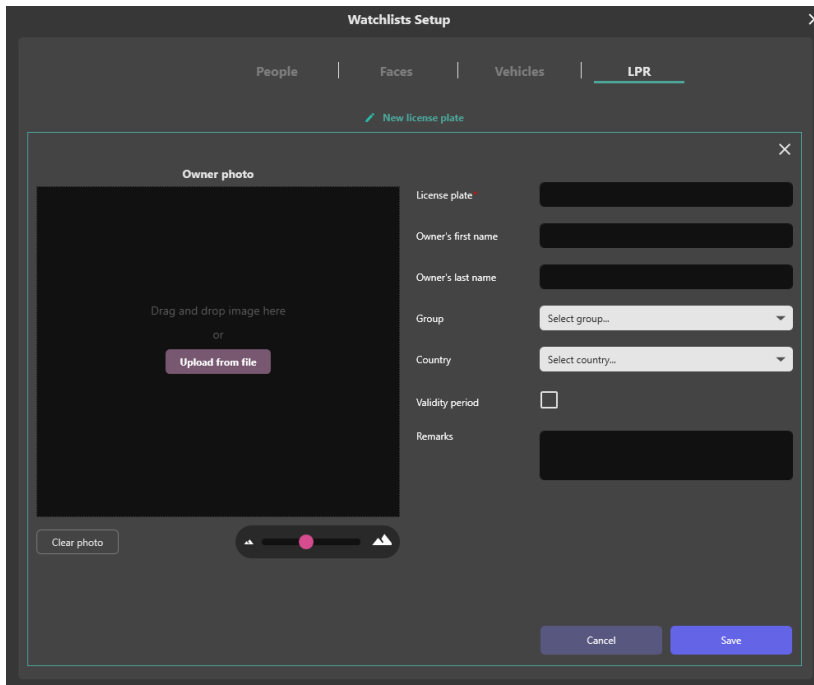
The screenshot shows the 'Watchlists Setup' dialog box with the 'LPR' tab selected. The 'Registered license plates' section is active, displaying a table with columns: 'License plate', 'First Name', 'Last Name', 'Owner photo', 'Group', 'Country', 'State', and 'Validity period'. The table is currently empty. Above the table are buttons for 'Manage groups' and '+ New license plate', with the latter highlighted in yellow. On the left, there is a 'Filter watchlists' section with input fields for 'License plate', 'Owner's first name', 'Owner's last name', 'Group', 'Country', and 'Validity period'. At the bottom, there are 'Clear all' and 'Search' buttons. A footer note states: '* If the number of search results exceed 1,000, the latest 1,000 items are shown.' The status 'Read: 0 / 0 Registered license plate results' is shown in the bottom right.

Step 3

Click "+ New License plate."

Step 4

Input information then click Save. "License plate" is required.



The screenshot shows the 'Watchlists Setup' dialog box with the 'LPR' tab selected. The dialog has a dark theme and a close button (X) in the top right corner. At the top, there are tabs for 'People', 'Faces', 'Vehicles', and 'LPR'. Below the tabs, there is a green checkmark and the text 'New license plate'. The main content area is divided into two sections. On the left, there is an 'Owner photo' section with a large black area for the photo, the text 'Drag and drop image here or Upload from file', and a 'Clear photo' button at the bottom. On the right, there are several input fields: 'License plate' (required, indicated by a red asterisk), 'Owner's first name', 'Owner's last name', 'Group' (dropdown menu), 'Country' (dropdown menu), 'Validity period' (checkbox), and 'Remarks'. At the bottom of the dialog, there are 'Cancel' and 'Save' buttons.


Note:

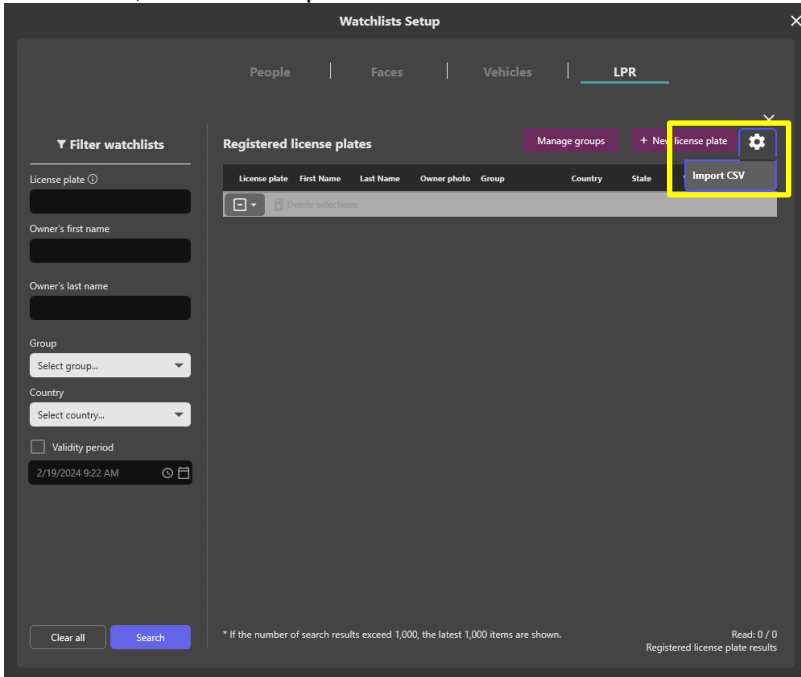
- In Validity Period, two expiration dates can be set.
Disable matching: After the expiration date, this LPR will not be detected.
Delete registration: After the expiration date, we will delete the registration itself of this LPR.
-

- **Add Registration (CSV import)**

Register using Import the CSV file export by VI LPR plug-in.
License Plate, First Name and Last Name of CSV information are registered.

Step 1

Click  , then click Import CSV.



Step 2

Select the CSV file, then click Open.

Note)

The CSV format that can be imported is as follows.

License Plate	Country /State	Year	Make	Model	Color	First Name	Last Name	Threat Level
Max.32 characters	-	-	-	-	-	Max.32 characters	Max.32 characters	-

※Only License Plate, First Name and Last Name are registered for i-PRO Active Guard Server.

Example)

License Plate, Country/State, Year, Make, Model, Color, First Name, Last Name, Threat Level
BFP8526, USA-TX, 2020, Honda, Accord, Blue, Hiro, Kitaoka, None123
ABC1234, , , , , John, Smith,

● Edit Registration


Step 1

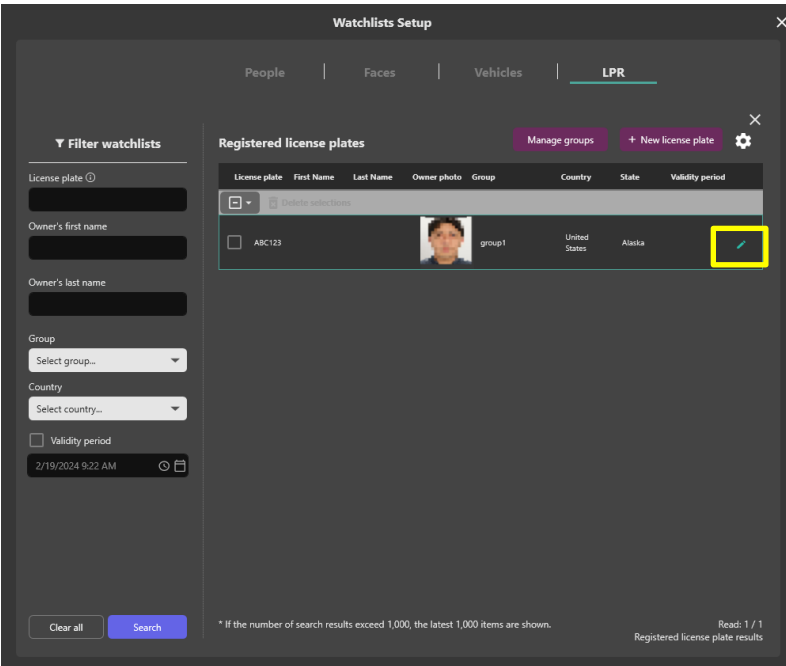
First, find registered license plate you want to edit the information. Registered license plate can be searched by using filter.

Note:

- Up to 1,000 License plates can be shown at the same time. If your search results exceed 1000 results, please set the search filter so that the search results are less than 1000 results.

Step 2

Select one of license plate from search results, then click  button.



The screenshot shows the 'Watchlists Setup' interface with the 'LPR' tab selected. On the left, there is a 'Filter watchlists' section with input fields for License plate, Owner's first name, Owner's last name, Group, Country, and Validity period. The main area displays a table of 'Registered license plates' with columns: License plate, First Name, Last Name, Owner photo, Group, Country, State, and Validity period. A single row is visible with license plate 'ABC123', a photo, 'group1', 'United States', 'Alaska', and a validity period. A yellow box highlights the edit icon (a pencil) in the Validity period column of this row. At the bottom, there are 'Clear all' and 'Search' buttons, and a footer note: '* If the number of search results exceed 1,000, the latest 1,000 items are shown.' and 'Read: 1 / 1 Registered license plate results'.

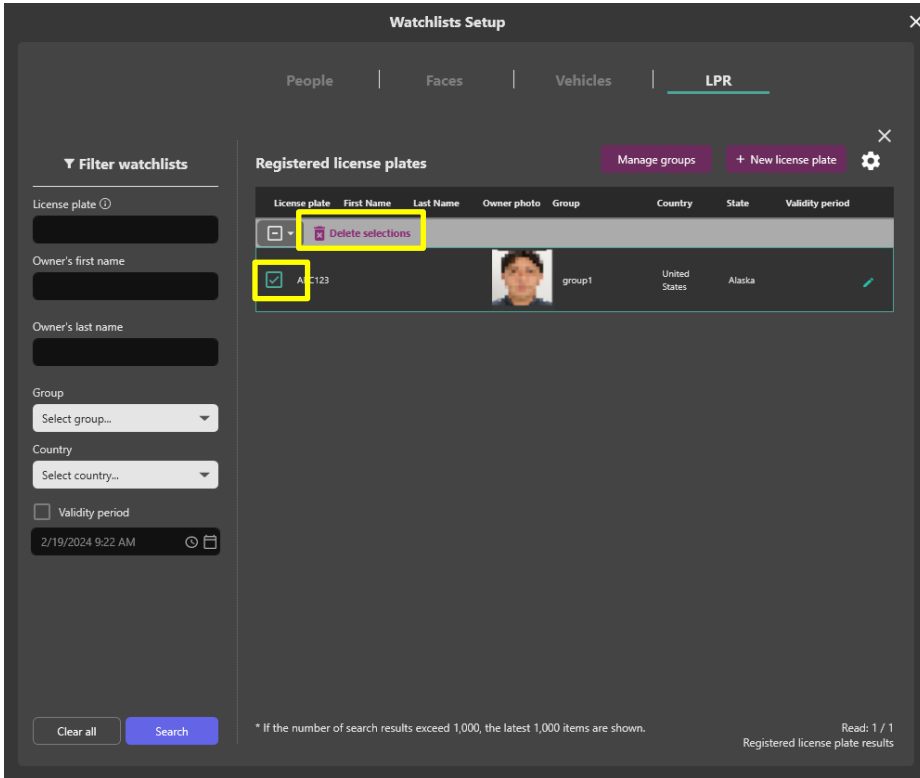
Step 3

Edit any information then click Save.

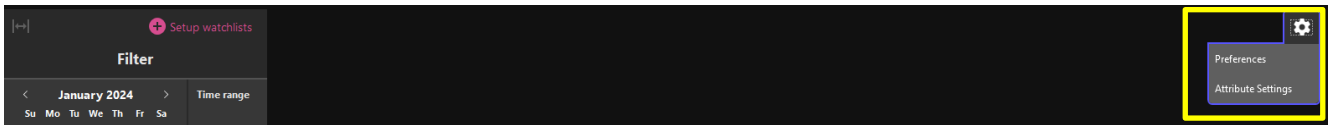
- **Delete Registration**

Step 1

Select check box of license plate from list, then click Delete selections button.



2.6. Preferences



Preferences provides some option settings such as playback video mode and so on.

A screenshot of a 'Preferences' dialog box. The dialog has a title bar with 'Preferences' and a close button (X). It is divided into several sections: 'Playback' with a dropdown for 'Playback mode' (set to 'Continue to playback for the selected camera'), two spinners for 'Start playback' and 'End playback' (both set to 5 seconds), 'Search settings' with a dropdown for 'Maximum number of searches' (set to 5000), 'License Plate Recognition' with two radio buttons ('Show entire image including vehicle body' is selected), and 'i-PRO Active Guard Event Monitor' with four checkboxes ('Popup display when receiving alarm' is checked) and a spinner for 'Alarm receive port' (set to 1819). At the bottom are 'Cancel' and 'Save' buttons.

2.6.1. Playback setting

[Playback mode]

You can select continue to playback mode or repeat playback mode.

When using repeat playback mode, it needs to set up Start playback and End playback.

Default: Continue to playback for the selected camera. 5 seconds before event for Start playback.

This setting is available both of i-PRO Active Guard Search and i-PRO Active Guard Event.

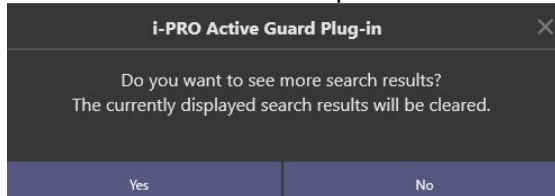
2.6.2. Search setting

[Maximum number of searches]

You can select maximum number of searches from 1000 to 5000.

After the maximum number is reached, below message will be displayed.

Select whether to clear and update the currently displayed search results or keep current display.



Default: 5000

This setting is available both of i-PRO Active Guard Search and Past events in i-PRO Active Guard Event.

2.6.3. License Plate Recognition setting

[Thumbnail display options]

You can set whether to show the entire vehicle including the license plate or only the license plate in the search results.

Default: Show entire image including vehicle body

This setting is only valid for i-PRO Active Guard Search.

2.6.4. Event Monitor setting

[Show the latest alarm when starting event monitor]

When you start-up i-PRO Active Guard Event, the latest detected events are loaded automatically to prevent from overlook important events.

Default: disable

[Open live monitor when receiving alarm]

When enabled, the live video which detects alarm is automatically displayed on the pop-up screen when the alarm is received.

Default: disable

[Popup display when receiving alarm]

When enabled, alarm information is shown on the pop-up screen.

Default: enable

[Show alarms from all i-PRO Active Guard on Live events]

When enabled, alarms from all i-PRO Active Guard servers will be displayed in [Live] when multiple i-PRO Active Guard servers are registered in Plug-in. You can only display the received event and the pop-up notification when the alarm is received.

You cannot use the filtering conditions, playback the recorded video, or display the live video.

To use these functions, select the target i-PRO Active Guard server software from [Past event].

Default : disable

[Alarm receive port]

Configure port number that Plug-in receive alarm from i-PRO Active Guard server.

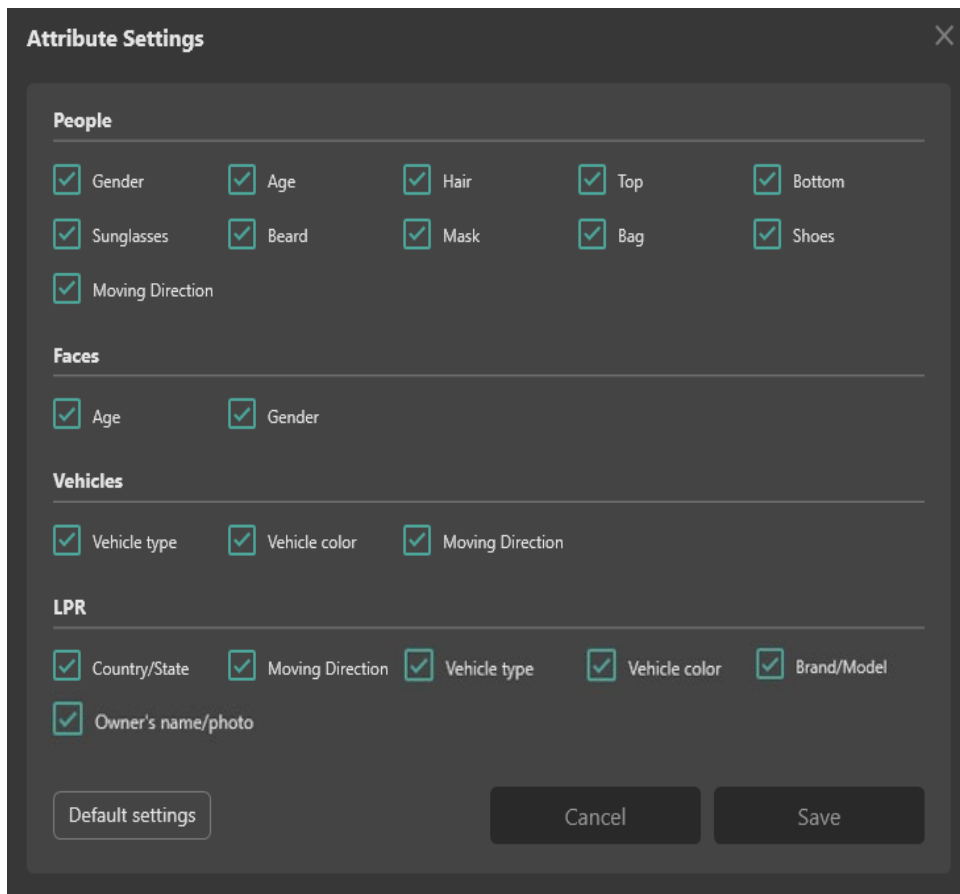
Default : 1819

2.7. Attribute Settings



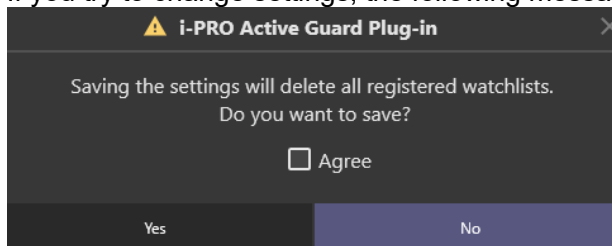
Attribute Settings provide settings to visibility of attributes.

Unchecked attributes will be hidden in filter and watchlist settings.



Note:

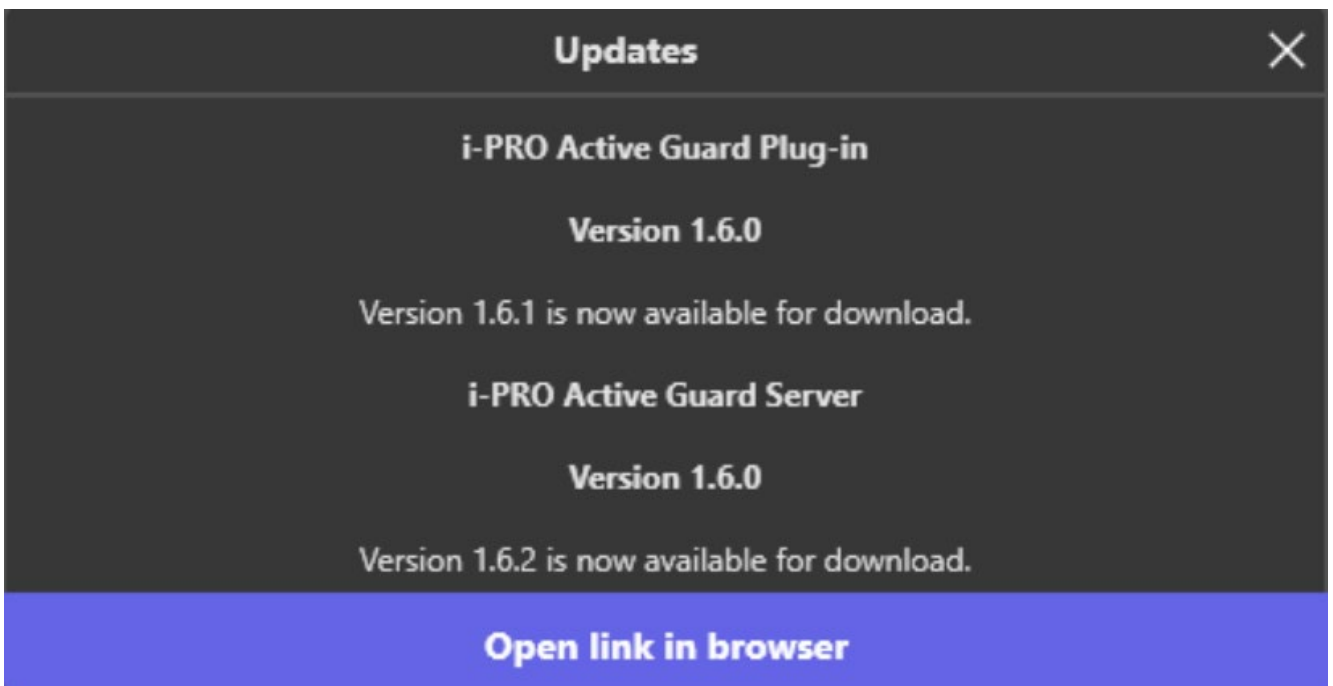
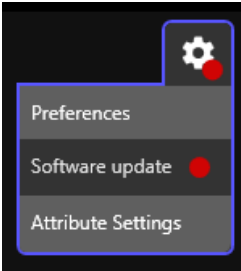
- Other than faces setting cannot be changed if watchlists is already registered. If you try to change settings, the following message.



When multiple i-PRO Active Guard servers are registered in Plug-in, watchlists will be deleted from all registered servers.

2.8. Software updates

A notification and pop-up will appear as follows when the currently used Sever or Plug-in is available for updating.



Note:

- [Software update] will not appear in environments without an Internet connection.
-

3. Troubleshooting

Before asking for repairs, check the symptoms with the following table.

Contact your dealer if a problem cannot be solved even after checking and trying the solution in the table or a problem is not described below.

Symptom	Cause/solution
Face, People or Vehicle images cannot be searched (the number of search result is 0).	Check if schedule setting on camera side for extension software is on. Receiving status from each camera can be confirmed from i-PRO Active Guard configuration (see Setup instruction manual).
False detection (Not face, people or vehicle is searched)	To avoid false detection, configure mask area using iCT (i-PRO Configuration Tool).
Playback time is incorrect.	Check if PC time of i-PRO Active Guard server and VMS server are synchronized when i-PRO Active Guard server is installed to dedicated server. Also check if time zone setting of VMS server and VMS client are the same.
Detected thumbnail is not attached with alarm.	Detected image shows when 1920x1080 or smaller resolution is set for JPEG (2) on camera setting. When higher resolution is set or JPEG (2) is not available, detected image may not be shown.
Object type like human or vehicle is not shown on Details of Event monitor for AI-VMD alarm.	Check AI-VMD setting on camera side. "With detection object information (alarm frame information)" or "With detection object information (AI frame information)" should be configured for "Additional information type".
The camera name displayed in the camera information of the event detail pane is different from the name registered in the recorder.	If the same camera is registered in multiple recorders and both are registered in the i-PRO Active Guard server software, the same camera will be registered twice with another name. In that case, it may be displayed with the camera name registered in another recorder.
When access the Web setting page after a certain period of time, "A timeout has occurred." is displayed.	For security protection, if you do not operate for a while with the WEB setting page, a timeout will occur and you will not be able to change the settings. In such a case, close the web browser, access it again, and enter the authentication information.
"You do not have permission to download to xxx" is shown.	You cannot use the functions with the privileges of the current user logged in to WV-ASM300. For the authority setting of WV-ASM300 and the authority of Plug-in, refer to the setup instruction manual.
False alarm of face matching.	Please adjust "Alarm threshold" according to your environment and registered face image.
Saved filters don't work correctly after upgrade	Please reset your filters, After upgrading from V1.60 or earlier to V1.70 or later, "Color image only" of the saved filters may not work correctly.
Edit or delete license plate group is fail	Please make sure the target group is not in your LPR watchlists.
The display of Web setting page is misaligned.	Please try clearing the cache in your web browser, and close the web browser, access it again.

4. Appendices

4.1. Specifications

Please refer to the following URL for details on specifications.

https://i-pro.com/products_and_solutions/en/surveillance/documentation-database/i-pro-ai-applications-spec-sheet-us

5. Open-source software

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[JSON for Modern C++]

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