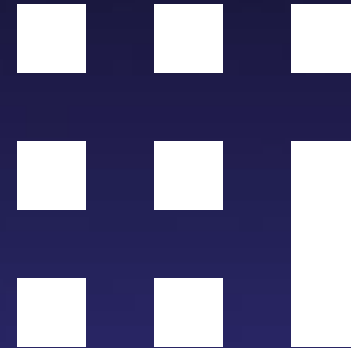
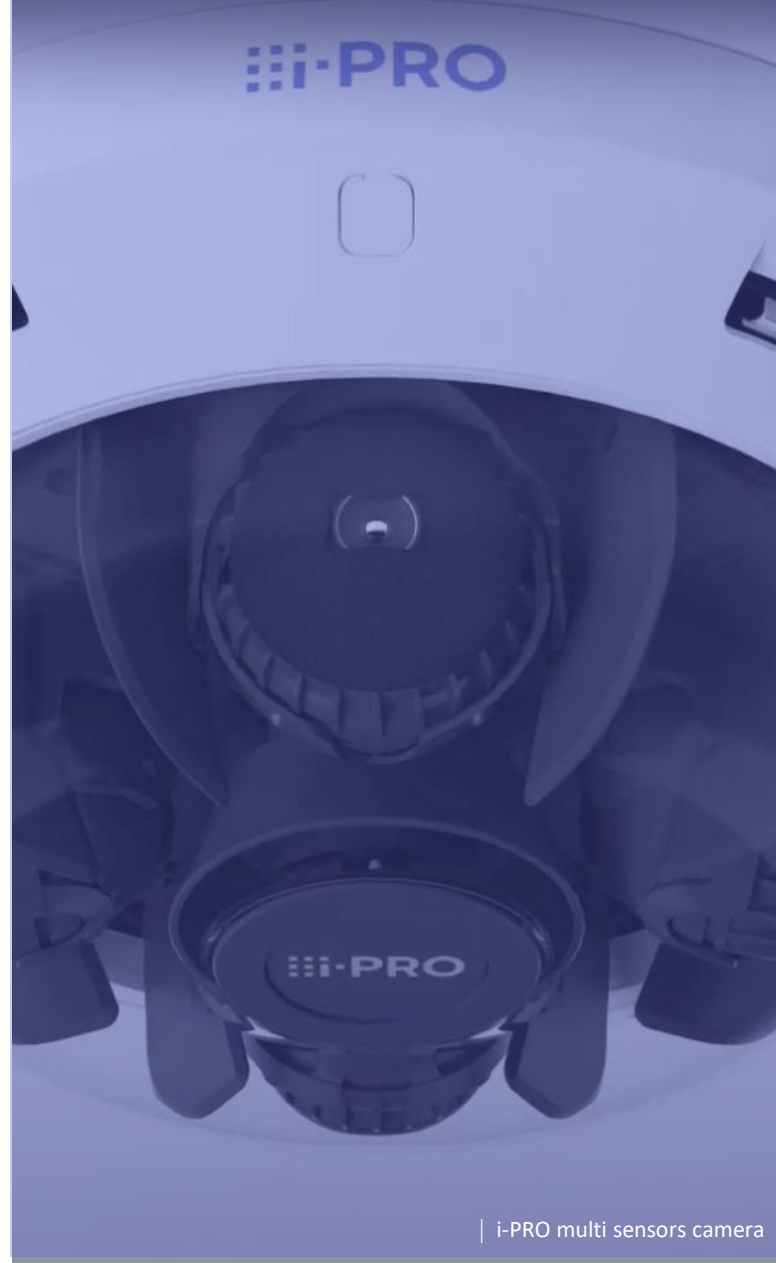


# ACTIVE GUARD PLUGIN FOR MILESTONE



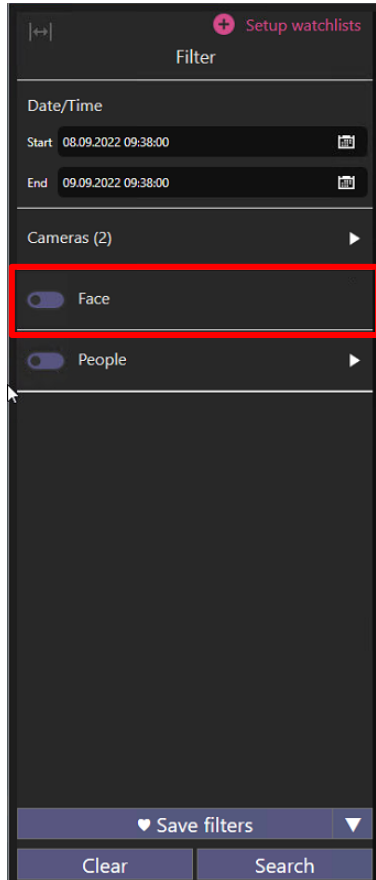
# NEW FEATURES IN V1.5

- Face similar search
- Face watchlist registration by uploading photo
- Add new people attribute (Bag, Bag color, Shoes color)
- Improve date and time selection GUI
- Export search result
- Add plug-in configuration about playback
- Multiple server registration for large system
- Upgrade procedure
- Download links
- Release note

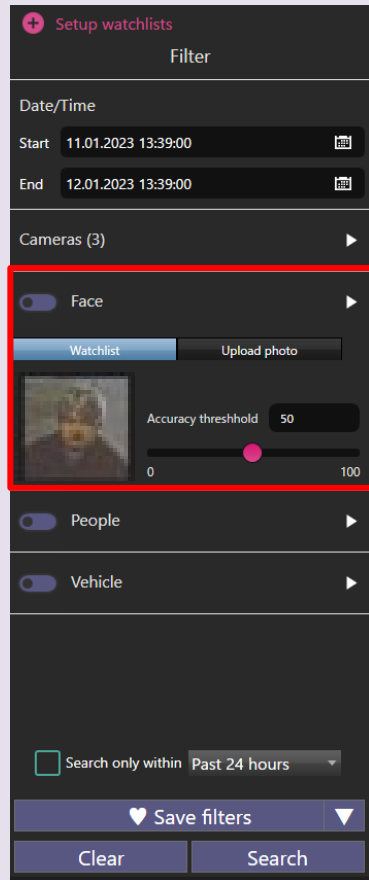


# FACE SIMILAR FACE SEARCH (1/3)

Current version(v1.00)  
All detected faces  
can be searched.



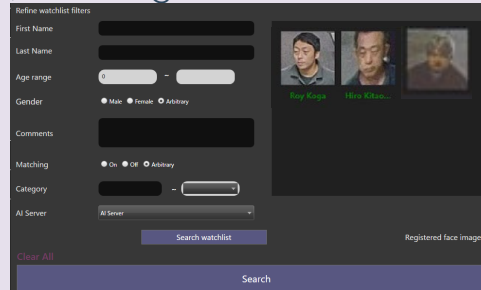
New version(v1.50)



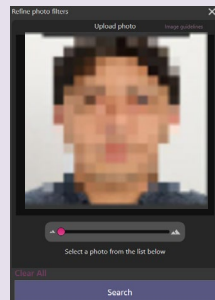
In addition to search for all detected faces,  
user can search for faces similar to a specific face.

1. Select face

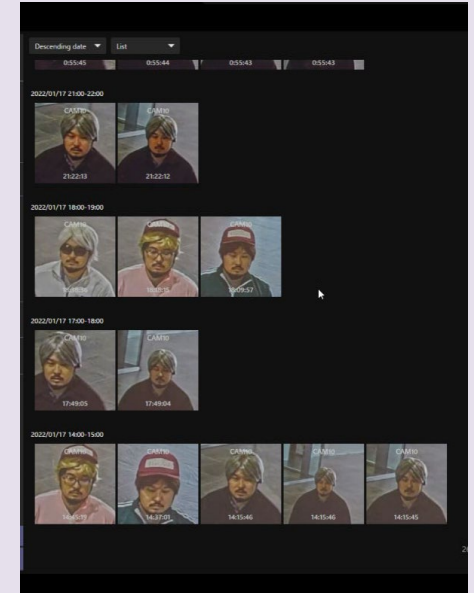
(i) From registered watchlist



(ii) By uploading photo



2. Search



# FACE SIMILAR FACE SEARCH (2/3)

User can also search for similar faces from the search results of face images and people images seamlessly.

(i) Similar face search from search results of face images

The screenshot displays the i-PRO face search interface. On the left is a sidebar with filters: 'Setup watchlists', 'Filter', 'Date/Time' (Start: 11.01.2023 13:41:00, End: 12.01.2023 13:41:00), 'Cameras (3)', 'Face' (checked), 'People' (unchecked), 'Vehicle' (unchecked), 'Search only within Past 24 hours' (checked), 'Save filters', 'Clear', and 'Search'. The main area shows a grid of search results for '12/01/2023 20:00-19:00'. A large video player in the center shows a man in a white shirt and mask, with text overlays: 'Two hours passed for bike ID -xxxx' and 'Three hours passed for bike ID -xxxx'. Below the video is a 'Load More' button. On the right is an 'Information' panel showing '2023/01/12 07:05:58 PM' and 'i-PRO/Panasonic WV-S71300-F3 (192.168.0.21) - Camera 1'. Below this is an 'Actions' panel with a 'Search Similar' button highlighted by a red box. At the bottom, it says '100/2134 results from 1 Active Guard Servers.'

## FACE SIMILAR FACE SEARCH (3/3)

(ii) Similar face search from search results of people images with recognizable face.

People images with recognizable face can be filtered by selecting "Recognizable face only".

The screenshot displays the i-PRO Guard software interface. On the left, a sidebar contains filters for 'Setup watchlists', 'Date/Time' (Start: 11.01.2023 13:41:00, End: 12.01.2023 13:41:00), 'Cameras (3)', 'Face' (toggle), 'Watchlist' (toggle), 'Accuracy threshold' (0-100), 'People' (toggle), 'Vehicle' (toggle), and 'Search only within Past 24 hours'. The main area shows a grid of detected faces with timestamps. A detailed view of a face is shown on the right, including a large image of the person and a list of characteristics: Gender: Male: 99%, Age: Adult: 91%, Hair style: Short Hair: 99%, Hair color: Brown: 27%, Black: 58%, Top type: Short: 99%, Top color: White: 71%, Gray: 25%, Bottom type: Long: 99%, Bottom color: Black: 99%, Sunglasses: None: 98%, Beard: None: 89%, Face Mask: None: 99%. Below the image is a timeline and a 'Load More' button. A red box highlights the 'Recognizable face only' filter in the sidebar and the 'Search for similar face' option in the actions menu.

\*"Search for similar face" can be used when the camera with AI Face detection exists in the system in addition to AI People detection.

# FACE WATCHLIST REGISTRATION by uploading photo

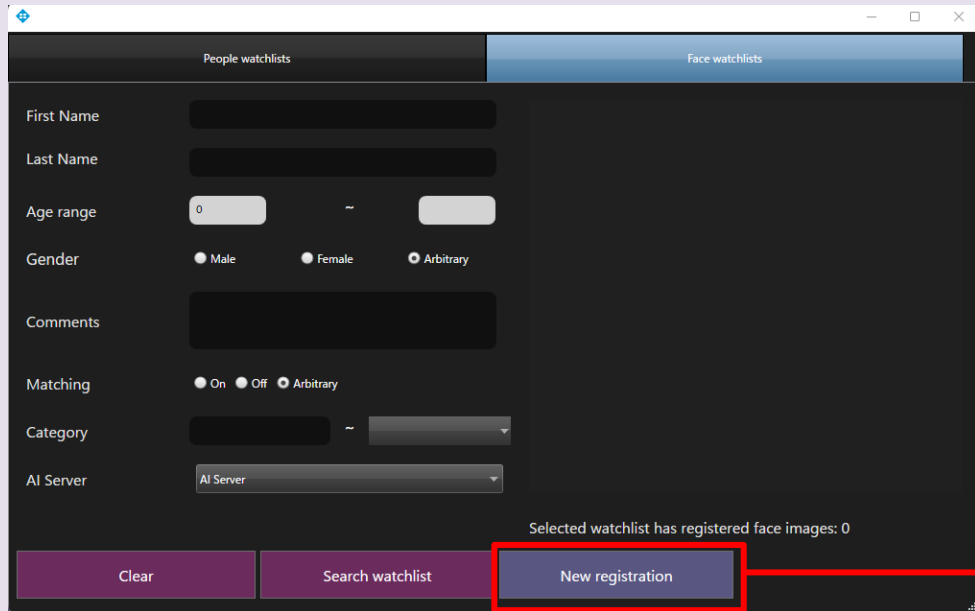
Current version(v1.00)

Face watchlist can be registered using face image that camera captured.

New version(v1.50)

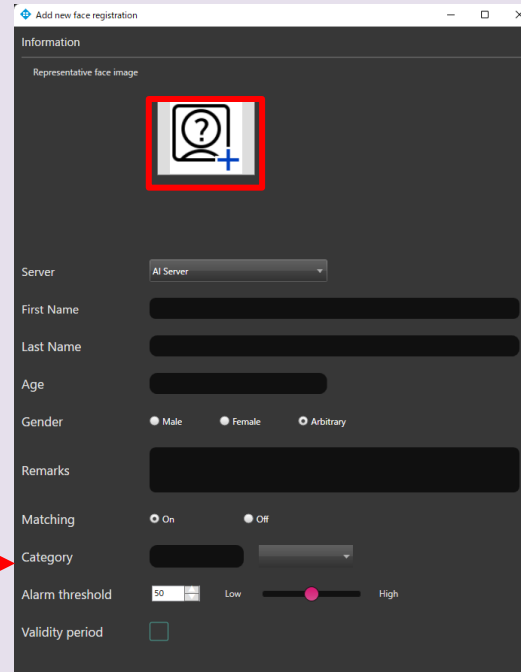
Upload photo also can be used for registration.

1. Click "New registration" in setup watchlist



The screenshot shows the 'Face watchlists' tab in a software interface. It contains fields for 'First Name', 'Last Name', 'Age range', 'Gender' (with radio buttons for Male, Female, and Arbitrary), 'Comments', 'Matching' (with radio buttons for On, Off, and Arbitrary), 'Category', and 'AI Server'. At the bottom, there are three buttons: 'Clear', 'Search watchlist', and 'New registration'. The 'New registration' button is highlighted with a red rectangular box. A red arrow originates from this button and points towards the 'Add new face registration' window on the right.

2. Click icon to upload photo.



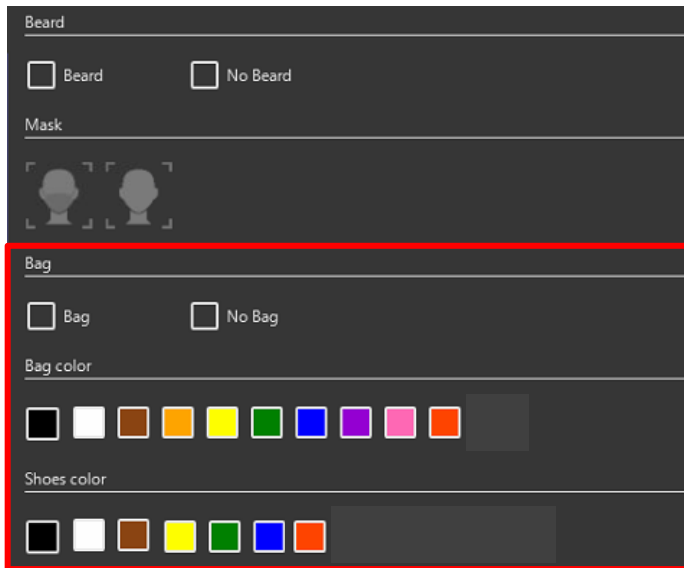
The screenshot shows the 'Add new face registration' window. It has a title bar 'Add new face registration' and a section 'Information'. Under 'Representative face image', there is an icon of a face with a question mark and a plus sign, which is highlighted with a red rectangular box. Below this are fields for 'Server' (a dropdown menu), 'First Name', 'Last Name', 'Age', 'Gender' (with radio buttons for Male, Female, and Arbitrary), 'Remarks', 'Matching' (with radio buttons for On and Off), 'Category' (a dropdown menu), 'Alarm threshold' (a slider from 50 to High), and 'Validity period' (a checkbox).



# ADD PEOPLE ATTRIBUTE (Bag, Bag color, Shoes color)

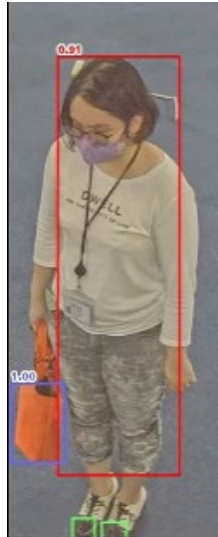
Add three people attribute information.

- Bag (Yes / No)
- Bags color (Black / Brown / White / Green / Red / Blue / Yellow / Orange / Purple / Pink)
- Shoes color (Black / Brown / White / Green / Red / Blue / Yellow)



The screenshot shows a dark-themed form with the following sections:

- Beard:** Two checkboxes, 'Beard' and 'No Beard', both of which are unchecked.
- Mask:** Two icons representing different mask types, both of which are unchecked.
- Bag:** This section is highlighted with a red border. It contains two checkboxes, 'Bag' and 'No Bag', both of which are unchecked.
- Bag color:** A row of ten color swatches: Black, White, Brown, Orange, Yellow, Green, Blue, Purple, Pink, and Red. The 'Bag' checkbox is unchecked, so this section is not active.
- Shoes color:** A row of seven color swatches: Black, White, Brown, Yellow, Green, Blue, and Red. The 'Bag' checkbox is unchecked, so this section is not active.



Bag, Bag color and Shoes color are available for search.

Not supported for watchlist.

AI People detection v1.21 or higher is required.

# IMPROVE DATE AND TIME SELECTION GUI

The screenshot shows a mobile application interface for 'Setup watchlists'. At the top is a 'Filter' section. Under 'Date/Time', there are 'Start' and 'End' time pickers. The 'Start' picker is set to '11.01.2023 13:39:00' and the 'End' picker is set to '12.01.2023 13:39:00'. Below this is a 'Cameras (3)' section with a 'Face' toggle and an 'Upload photo' button. The 'Face' toggle is currently off. Below that is an 'Accuracy threshold' slider set to 50. Further down are 'People' and 'Vehicle' toggles, both currently off. At the bottom, there is a 'Search only within' dropdown menu set to 'Past 24 hours'. Below this are 'Save filters', 'Clear', and 'Search' buttons. A red box highlights the 'Start' and 'End' time pickers, and another red box highlights the 'Search only within' dropdown. A blue arrow points from the 'End' time picker to the text 'Current default value'.

Current default value

Start time : 1 day before the time when opening tab

End time : the time when opening tab

So, for example, it is need to adjust "End time"  
to search latest result after opening tab and time passed.

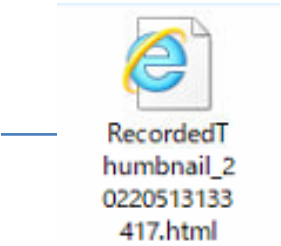
New option in v1.5.

"Search only within": Past 24 hours/Past week/Past month.

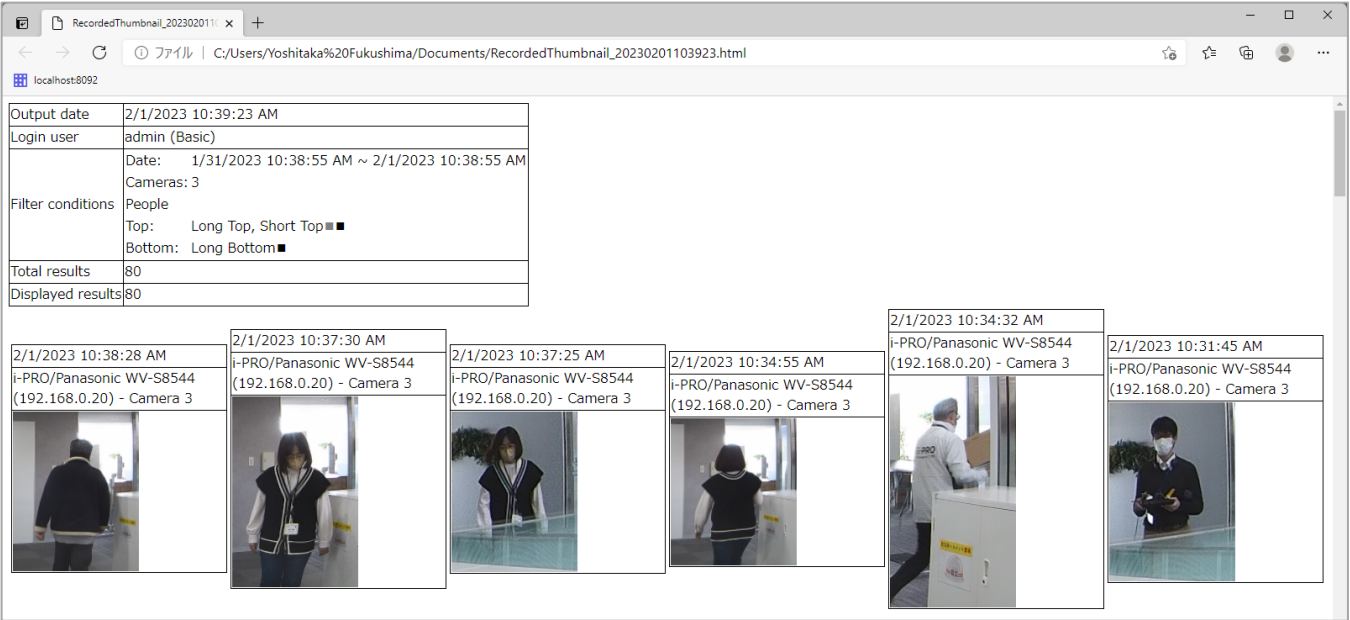
When this option is checked, user can always get the latest result  
without manual date&time adjustment.



# EXPORT SEARCH RESULT

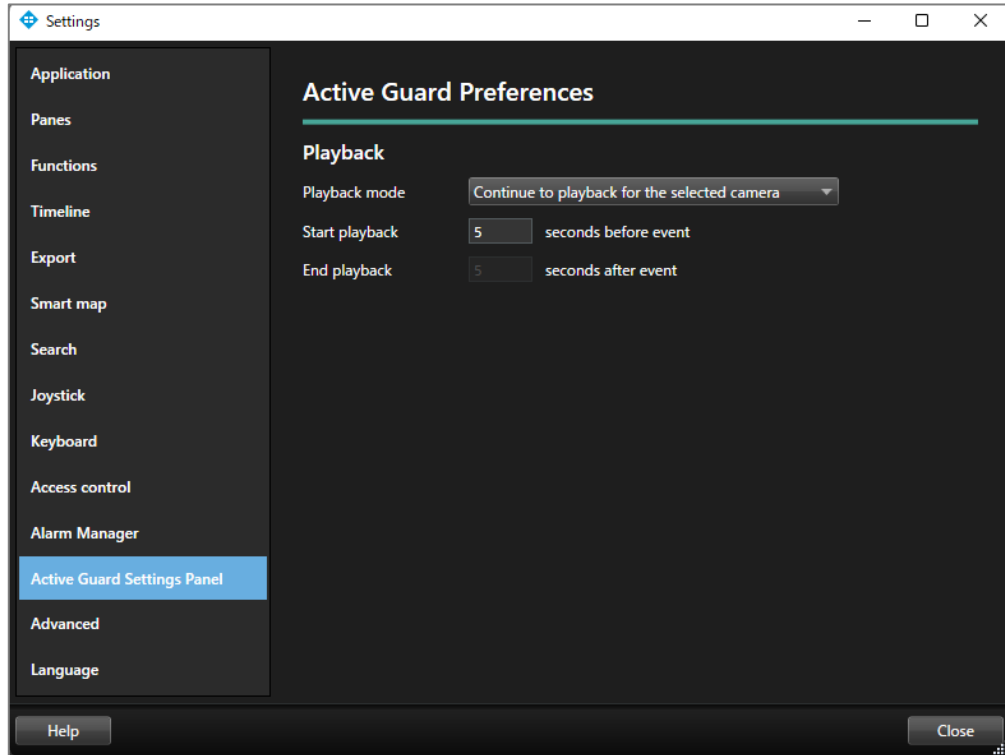


Exported data can be shown on web browser.



# ADD PLUG-IN CONFIGURATION ABOUT PLAYBACK MODE

Settings on Smart client – [Active Guard Settings Panel]



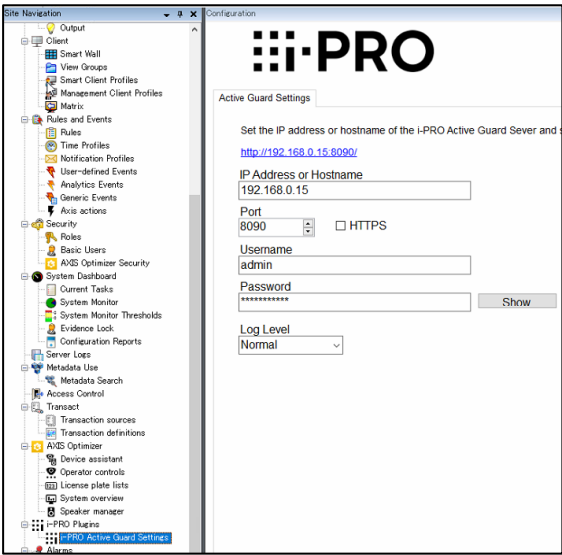
“Continue to playback for the selected camera”  
with start play back time option

or

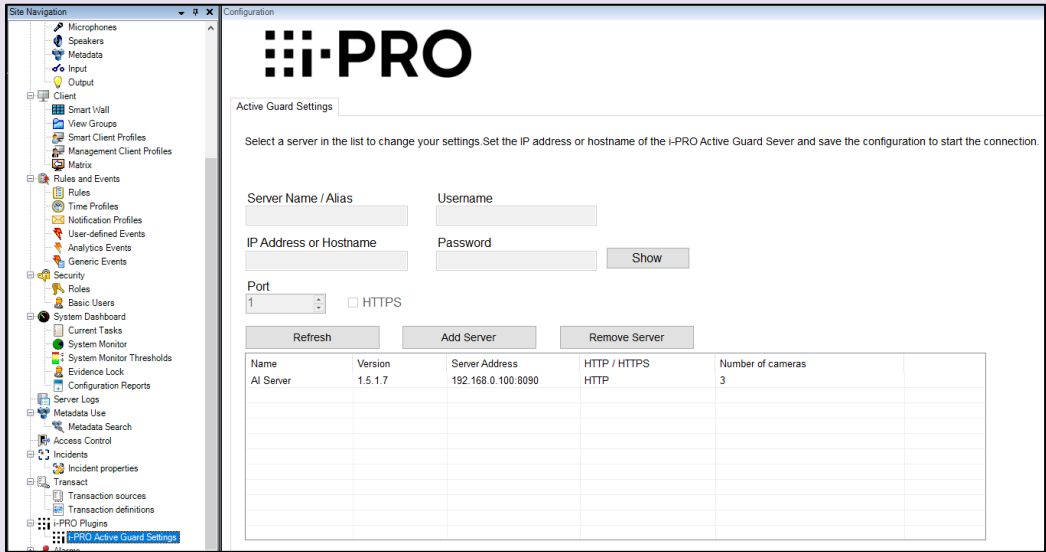
“Repeat playback for the selected camera”  
start and end playback time option.

# MULTIPLE SERVER REGISTRATION FOR LARGE SYSTEM

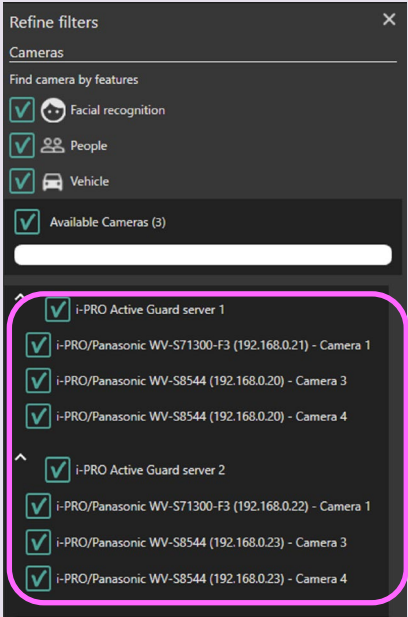
Current version (V1.0)  
Only 1 Active Guard server  
can be registered.



New version (V1.5)  
Multiple Active Guard servers can be registered.



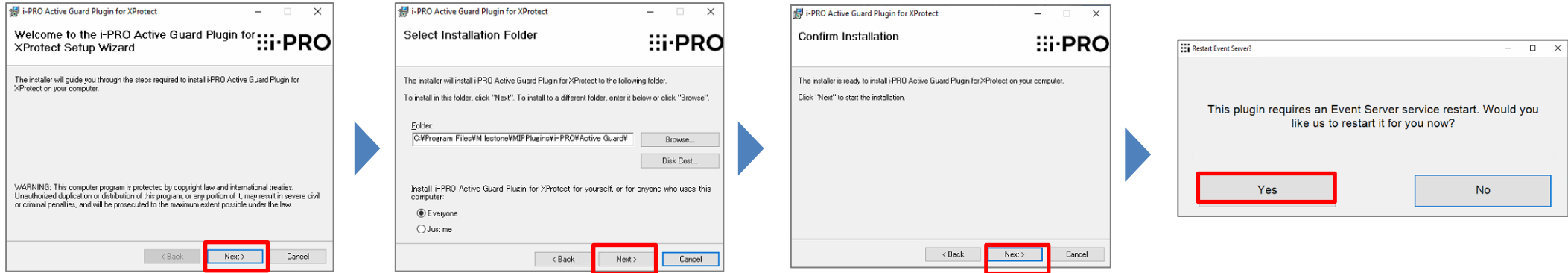
Search



User can select  
cameras from  
multiple server at  
the same time

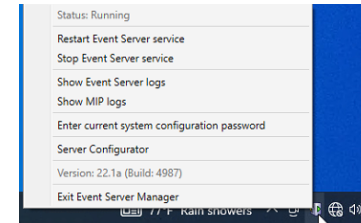
# UPGRADE PROCEDURE

Run the new version installer on each of the "XProtect Event Server PC" and the "XProtect Smart Client PC".



\*There is no need to uninstall the old version in advance.

\*If XProtect Event Server service is stopped after updating, start manually from Windows Task bar.



\*If there is trouble after upgrading, please try to uninstall and install again.

# Download Links

Please update other related software to the latest version.

As of Jan. 2023,

i-PRO Active Guard Plug-in 1.5

[i-PRO Active Guard Plug-in for XProtect \(milestonesys.com\)](https://milestonesys.com/)

i-PRO Active Guard server software

[https://i-pro.com/products\\_and\\_solutions/en/surveillance/documentation-database/i-pro-active-guard-server-software-vms](https://i-pro.com/products_and_solutions/en/surveillance/documentation-database/i-pro-active-guard-server-software-vms)

AI Face detection

[https://i-pro.com/products\\_and\\_solutions/en/surveillance/documentation-database/ai-face-detection-type1](https://i-pro.com/products_and_solutions/en/surveillance/documentation-database/ai-face-detection-type1)

AI People detection

[https://i-pro.com/products\\_and\\_solutions/en/surveillance/documentation-database/ai-people-detection-type1](https://i-pro.com/products_and_solutions/en/surveillance/documentation-database/ai-people-detection-type1)

AI Vehicle detection

[https://i-pro.com/products\\_and\\_solutions/en/surveillance/documentation-database/ai-vehicle-detection-type1](https://i-pro.com/products_and_solutions/en/surveillance/documentation-database/ai-vehicle-detection-type1)



| i-PRO dome camera

# Release note

Following URL show changelogs.

<https://github.com/ORBNETSYS/i-PRO-Active-Guard-Public>

Thank you !