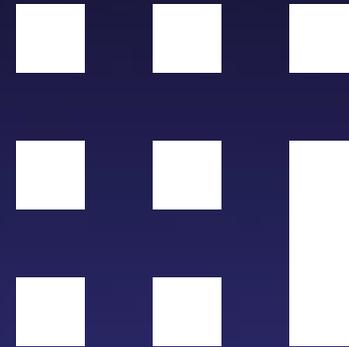
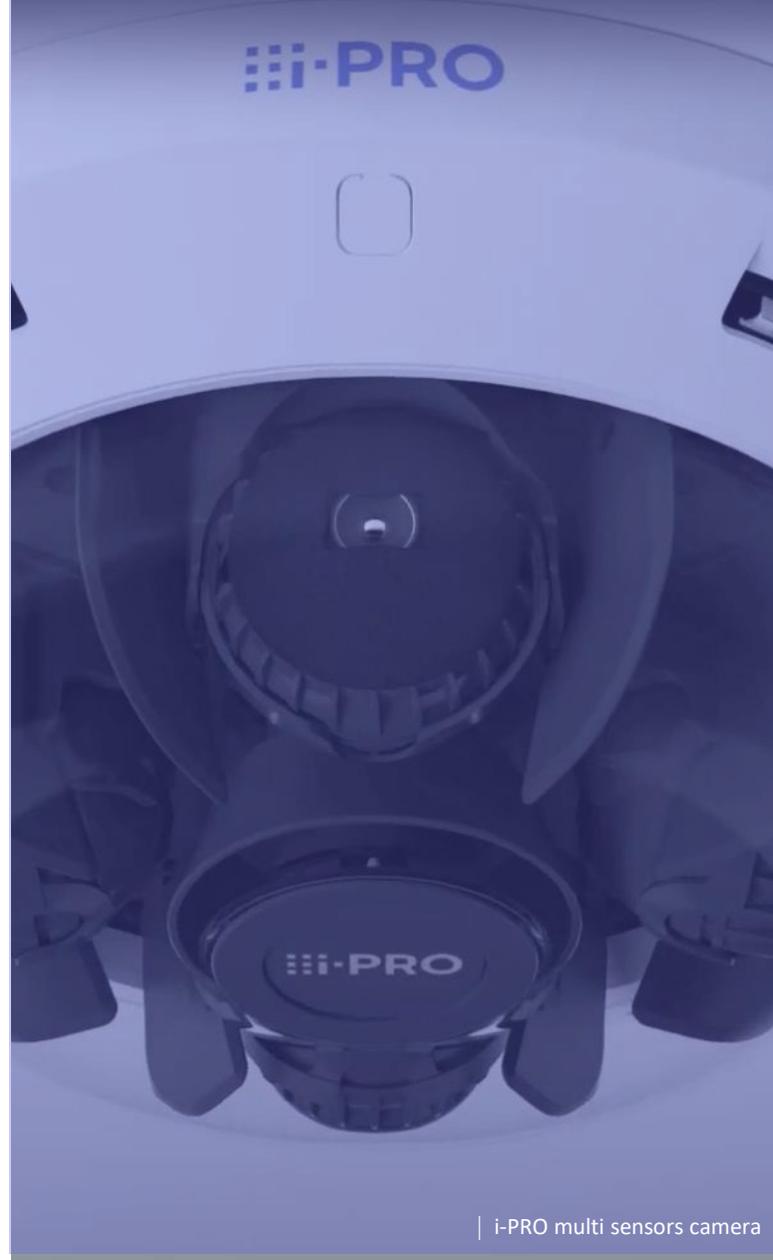


ACTIVE GUARD PLUGIN FOR MILESTONE



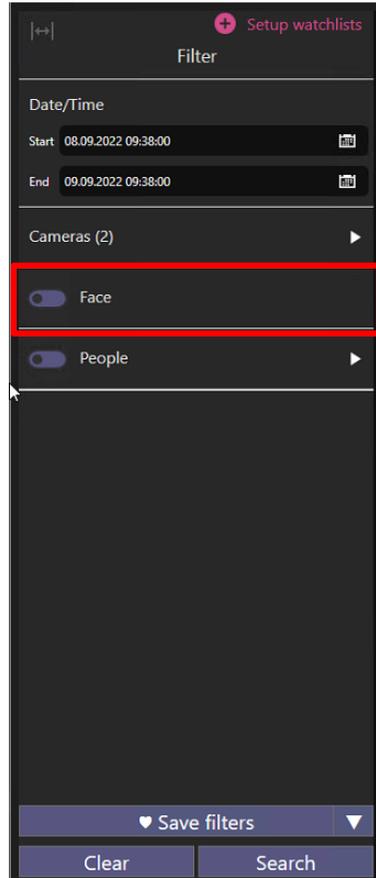
NEW FEATURES IN V1.5

- 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

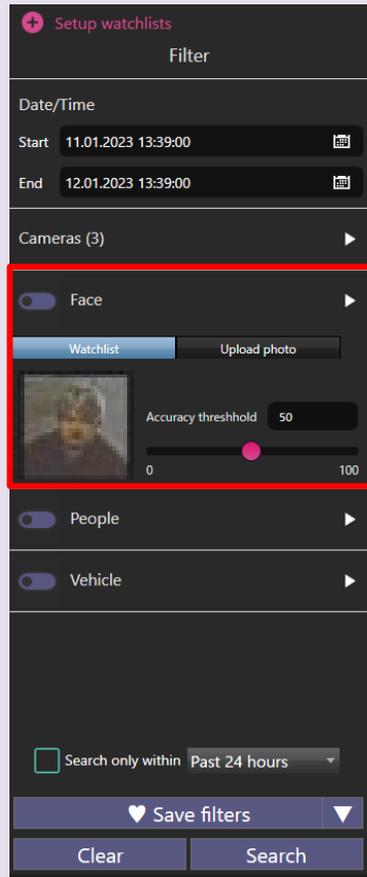


FACE SIMILAR FACE SEARCH (1/3)

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



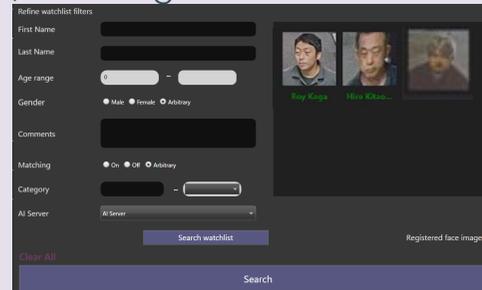
New version(v1.50)



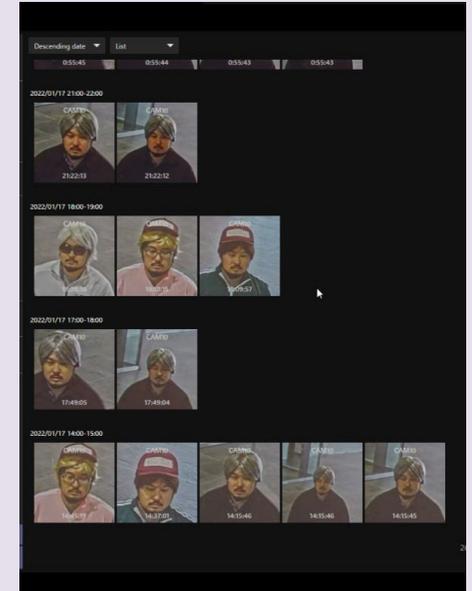
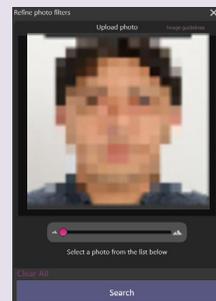
In addition to search for all detected faces,
user can search for faces similar to a specific face.

1. Select face

(i) From registered watchlist



(ii) By uploading photo



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 a security camera software interface. On the left, a sidebar contains a 'Filter' section with options for 'Date/Time' (Start: 11.01.2023 13:41:00, End: 12.01.2023 13:41:00), 'Cameras (3)', 'Face' (checked), 'People', and 'Vehicle'. Below these are 'Watchlist' and 'Upload photo' buttons, an 'Accuracy threshold' slider set to 50, and a 'Search only within Past 24 hours' checkbox. At the bottom of the sidebar are 'Save filters', 'Clear', and 'Search' buttons. The main area shows a grid of search results for the date '12/01/2023 20:00-19:00'. A large video player in the center shows a man in a white shirt and mask, with a 'Load More' button below it. To the right, an 'Information' panel displays detected info for 'i-PRO/Panasonic WV-S71300-F3 (192.168.0.21) - Camera 1' on '2023/01/12 07:05:58 PM'. Below the information panel, an 'Actions' section contains a 'Search Similar' button, which is highlighted with a red box. At the bottom of the interface, it states '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 software interface for face search. On the left, a sidebar contains filter options: "Date/Time" (Start: 11.01.2023 13:41:00, End: 12.01.2023 13:41:00), "Cameras (3)", "Face" (checked), "Watchlist" (No watchlist or uploaded face yet), "Accuracy threshold" (50), "People" (checked), "Recognizable face only" (checked and highlighted in red), "Vehicle" (unchecked), and "Search only within Past 24 hours" (checked). The main area shows a grid of search results for the date 12/01/2023 20:00-19:00. A large video player in the center shows a search result from Camera 3 on 1/12/2023 at 7:05:55.063 PM. The information panel on the right provides details for the detected face: 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%. The "Actions" panel at the bottom right offers three search options: "Search for exactly similar characteristics (less false results)", "Search for similar characteristics (less missing results)", and "Search for similar face" (highlighted in red). A "Load More" button is also visible. At the bottom, it states "100/1355 results from 1 Active Guard Servers."

*"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

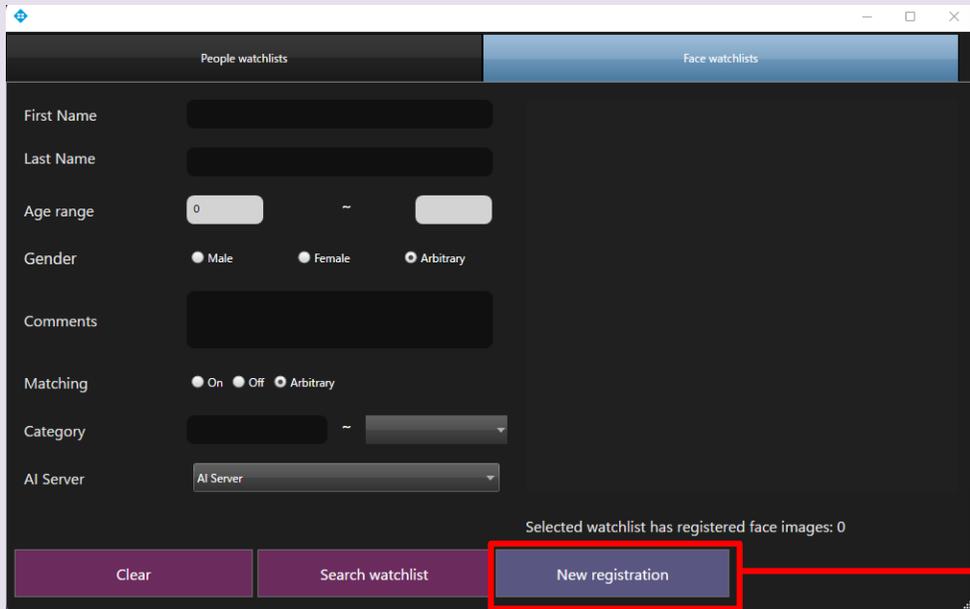
Current version(v1.00)

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



People watchlists | Face watchlists

First Name:

Last Name:

Age range: 0 ~

Gender: Male Female Arbitrary

Comments:

Matching: On Off Arbitrary

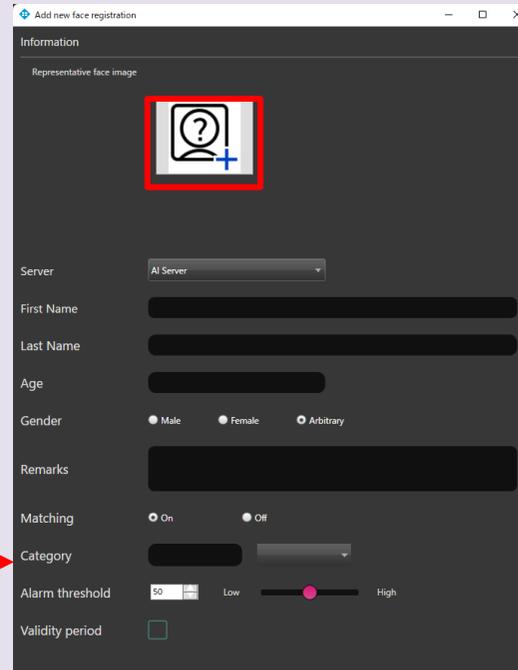
Category: ~

AI Server: AI Server

Selected watchlist has registered face images: 0

Clear | Search watchlist | **New registration**

2. Click icon to upload photo.



Add new face registration

Information

Representative face image: 

Server: AI Server

First Name:

Last Name:

Age:

Gender: Male Female Arbitrary

Remarks:

Matching: On Off

Category: ~

Alarm threshold: 50 Low High

Validity period:

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 interface for configuring search attributes. The 'Bag' section is highlighted with a red border and contains the following options:

- Bag No Bag
- Bag color: A row of color swatches including Black, White, Brown, Yellow, Green, Blue, Purple, Pink, and Orange.
- Shoes color: A row of color swatches including Black, White, Brown, Yellow, Green, Blue, and Orange.

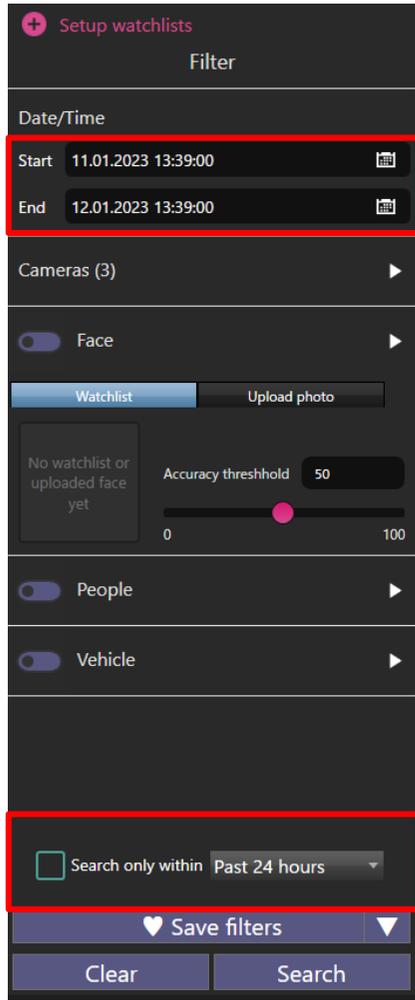


Bag, Bag color and Shoes color are available for search.

Not supported for watchlist.

AI People detection v1.21 or higher is required.

IMPROVE DATE AND TIME SELECTION GUI



Current default value

Start time : 1 day before the time when opening tab

End time : the time when opening tab

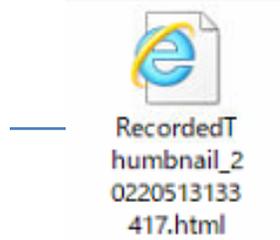
So, for example, it is need to adjust "End time"
to search latest result after opening tab and time passed.

New option in v1.5.

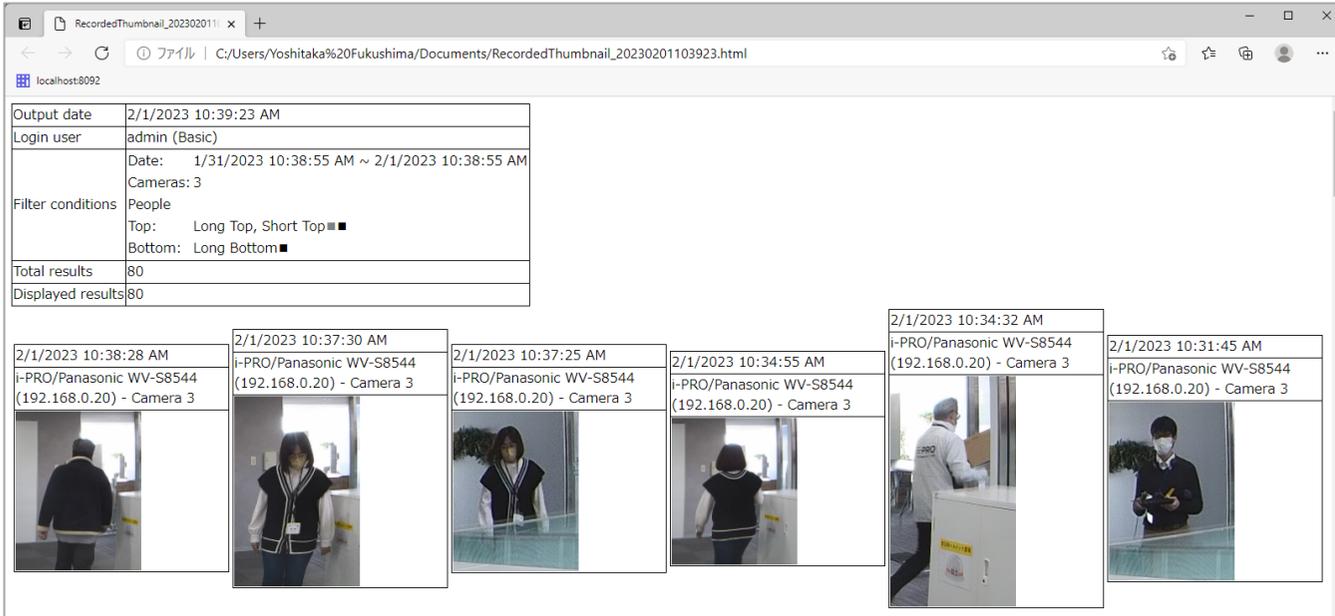
"Search only within": Past 24 hours/Past week/Past month.

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

EXPORT SEARCH RESULT

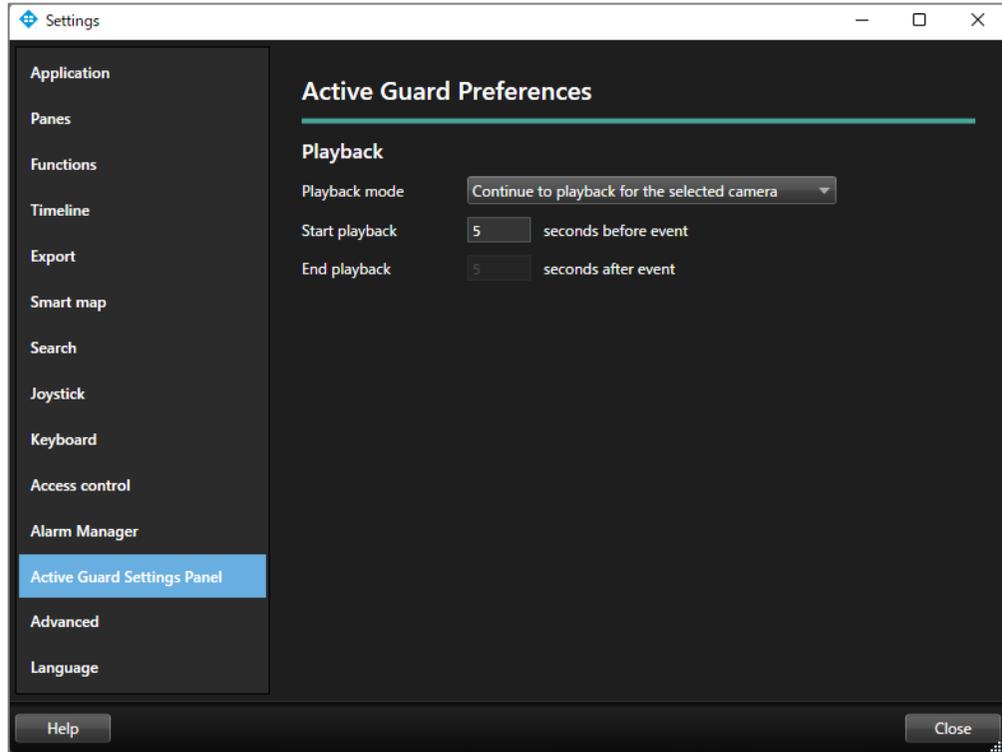


Exported data can be shown on web browser.



ADD PLUG-IN CONFIGURATION ABOUT PLAYBACK MODE

Settings on Smart client - [Active Guard Settings Panel]



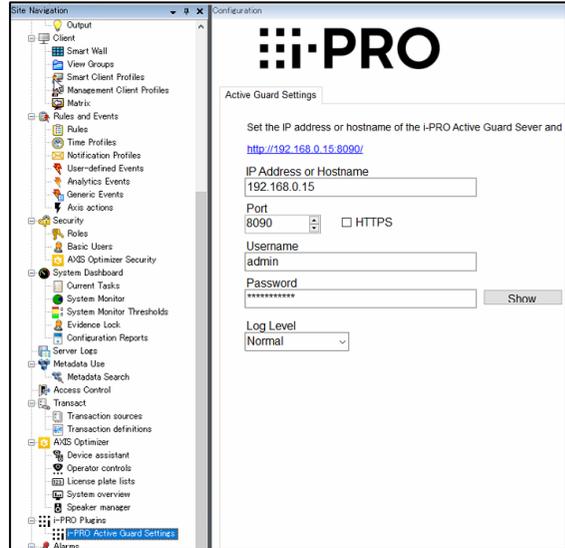
“Continue to playback for the selected camera”
with start play back time option

or

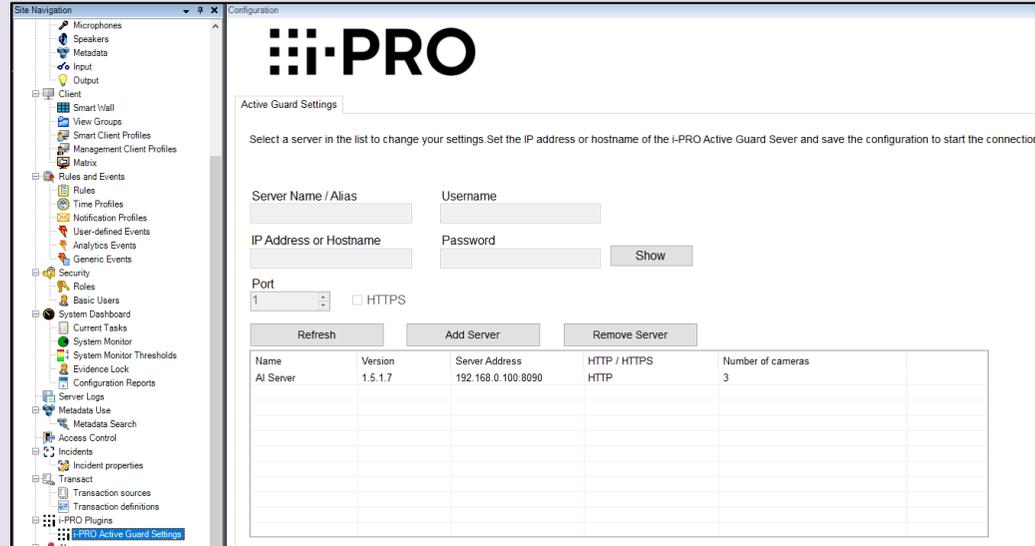
“Repeat playback for the selected camera”
start and end playback time option.

MULTIPLE SERVER REGISTRATION FOR LARGE SYSTEM

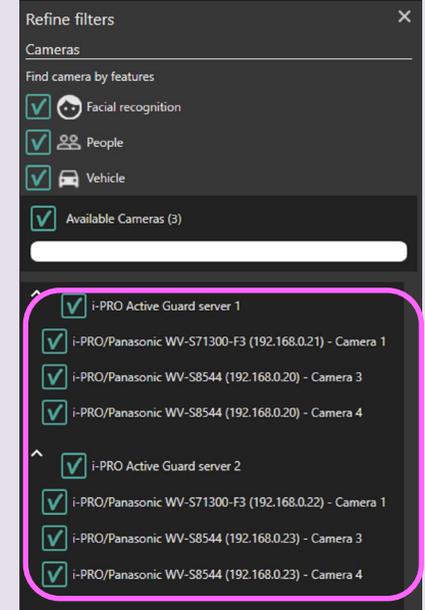
Current version (V1.0)
Only 1 Active Guard server
can be registered.



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



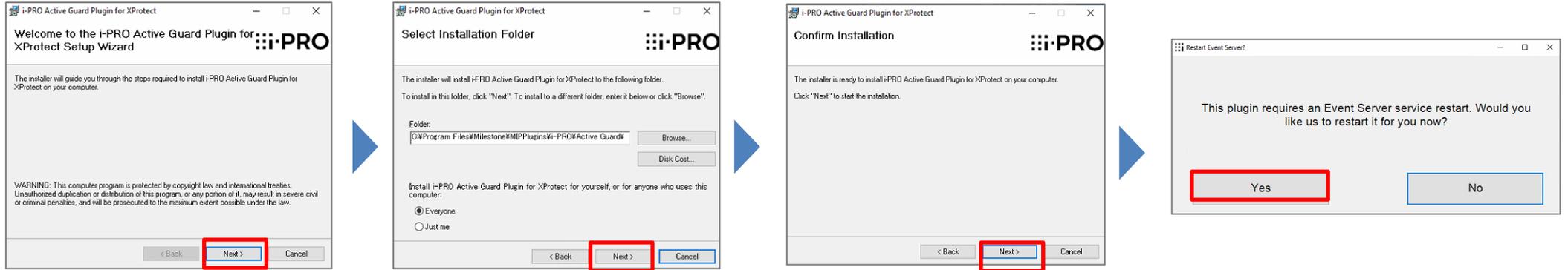
Search



User can select
cameras from
multiple server at
the same time

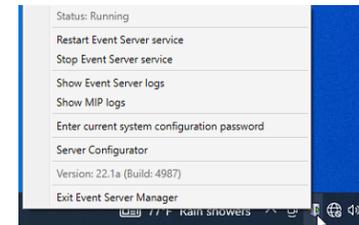
UPGRADE PROCEDURE

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: v1.52

<https://bizpartner.panasonic.net/public/file/i-pro-active-guard-software>

AI Face detection : v1.30

<https://bizpartner.panasonic.net/public/file/ai-face-detection-type1>

AI People detection : v1.30

<https://bizpartner.panasonic.net/public/file/ai-people-detection-type1>

AI Vehicle detection : v1.30

<https://bizpartner.panasonic.net/public/file/ai-vehicle-detection-type1>



Release note

Following URL show changelogs.

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

Thank you !