



spark
Italian inSight

ARGO V1.2.1

User Manual



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1. INSTALLATIONS

The Argo software application package is divided into modules that can be installed independently. The basic configuration involves the installation of Spark Argo Client Series and Spark Argo Recorder.

1.1 Argo Client and Argo Config

The *Argo Client Series* package contains both the Argo system configuration client and the dedicated operator client for camera viewing, video archive access, maps, and alarm management.

Install Argo Clients by running the *setup_Spark_Argo_Client_Series.exe* file and proceed with the installation wizard. At the end of the installation process, the icons of the two applications will be added to the desktop: Argo Client and Argo Config.

1.2 Argo Recorder

Install *Argo Recorder* by running the *setup_Spark_Argo_Recorder.exe* file and proceed with the installation wizard. At the end of the installation process, Argo Recorder automatically starts as a Windows service. Argo Recorder must be set up and activated to enable Argo Client and Argo Config applications.

Although Argo Client Series and Argo Recorder can be installed on the same server, it is strongly recommended to use different servers to avoid system overload.

Before installing Argo components, please check the server specifications to ensure performance. Below are reference values to facilitate users the calculation of their specific server requirement. The specific server requirements may vary according to different scenarios.

- CPU: Add 90 CPU mark for each camera added.

Click here https://www.cpubenchmark.net/high_end_cpus.html to search for a suitable CPU.

Reference: For each camera calculate 90 CPU mark and add an additional 1,800 CPU mark, so for a 50pcs camera the total CPU mark required would be (90 CPU mark x 50pcs camera) + 1,800 = 6,300 CPU mark.

- RAM: 160GB or more
- Operating system: Windows 10(64-bit)
- HDD: Requirement varies depending on camera quantity, recording time and resolution.



- 1 camera recording 20MP for 24hrs requires 211GB.
- 1 camera recording 5MP for 24hrs requires 63GB.
- 1 camera recording 2MP for 24hrs requires 42GB.

Note 1: The computer name can only be set in English.

Note 2: You can regularly check the DMP files. If they are too large, you can copy and back them up before deleting them, and then report to the original manufacturer.

Path: C:\ProgramData\Spark\Dumps\Spark.Recorder.exe



2. ARGO CONFIG


Once the installation is finished, launch the Argo Config to proceed with the configurations of the video surveillance system.

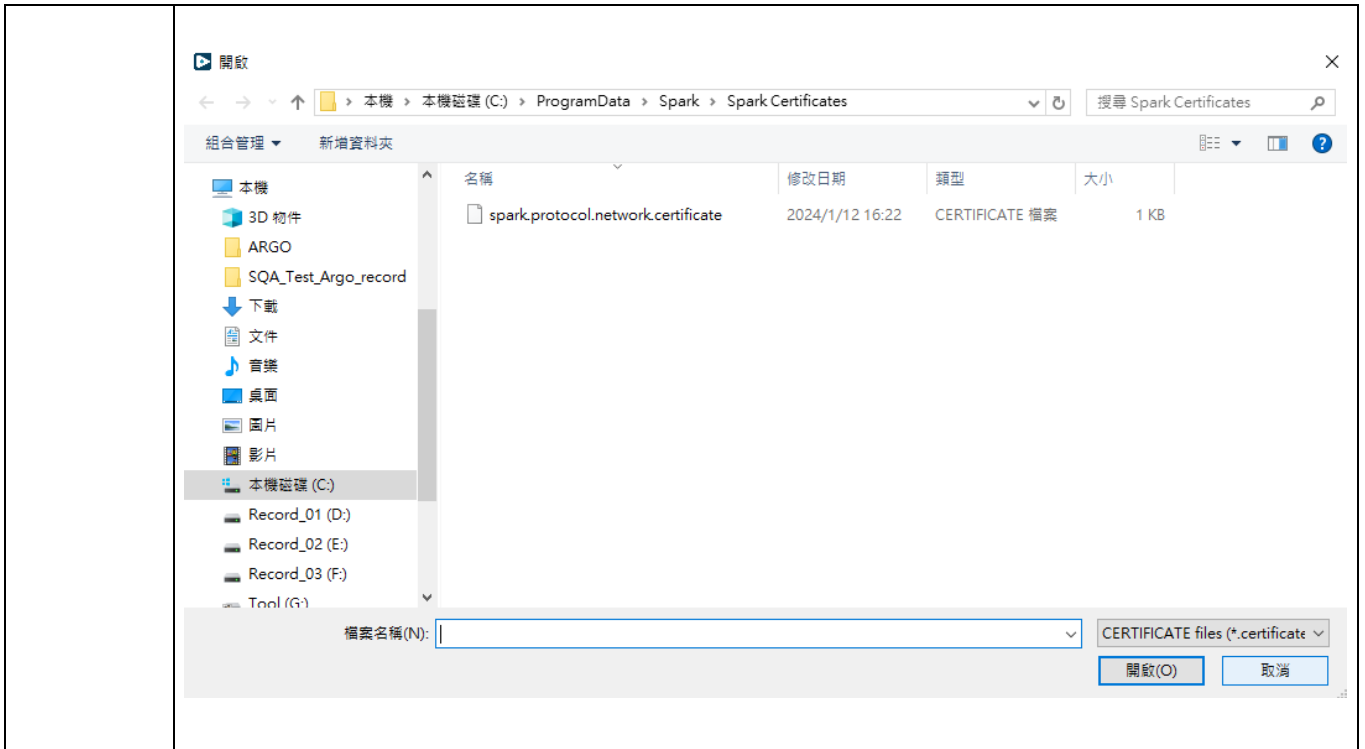
2.1 Log in

First time logging in to Argo Config, users must provide the following:


Host	Insert the IP address (or name) of the server that hosts Argo Recorder. If Argo Client Series and Argo Recorder are installed on the same server, insert the default IP 127.0.0.1 or localhost.
Port	Insert the port number on which the Recorder server is connected. Default port number is 20832.

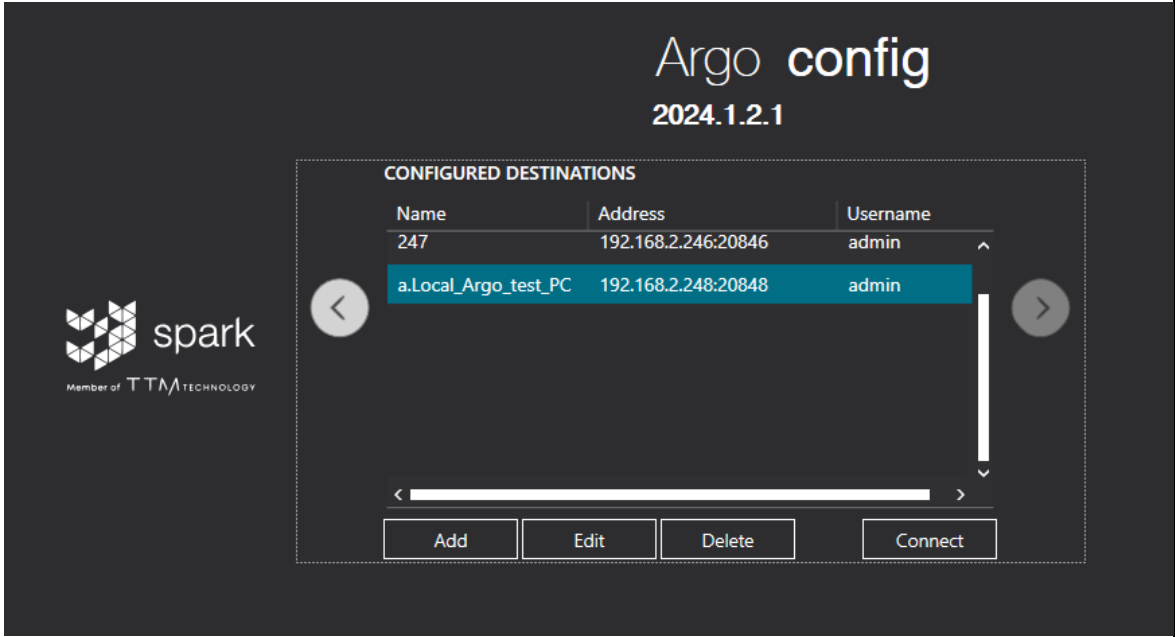


	<div data-bbox="379 389 1469 1361"><p>Argo Recorder console - 2024.1.2.1 (2024.6.14.1139) ✕</p><h3>Service status</h3><p><input type="button" value="Start"/> <input type="button" value="Stop"/> <input type="button" value="Restart"/> Service status: running</p><p><input type="button" value="Settings"/> <input type="button" value="Maintenance"/></p><p>Server name <input type="text" value="Recorder on SPARK"/></p><p>SPARK protocol port <input type="text" value="20832"/></p><p>Streaming port <input type="text" value="20833"/></p><h3>Change Password</h3><p>Leave new password empty to not modify the current password</p><p>New password <input type="text"/></p><p>Confirm new password <input type="text"/></p><p><input type="button" value="Save"/> <input type="button" value="Cancel"/></p></div>
Certificate	Click on the three dots  icon to upload spark.protocol.network.certificate



Username and password Insert default credentials. Default username and password is admin for both. After logging in, the system will ask to change the password. The new password must contain at least one special character, one upper case letter, one lower case letter and a minimum length of 8 characters.

Multiple destination Click on the  icon to display server list, allowing users to quickly switch between servers.



Name	Address	Username
247	192.168.2.246:20846	admin
a.Local_Argo_test_PC	192.168.2.248:20848	admin

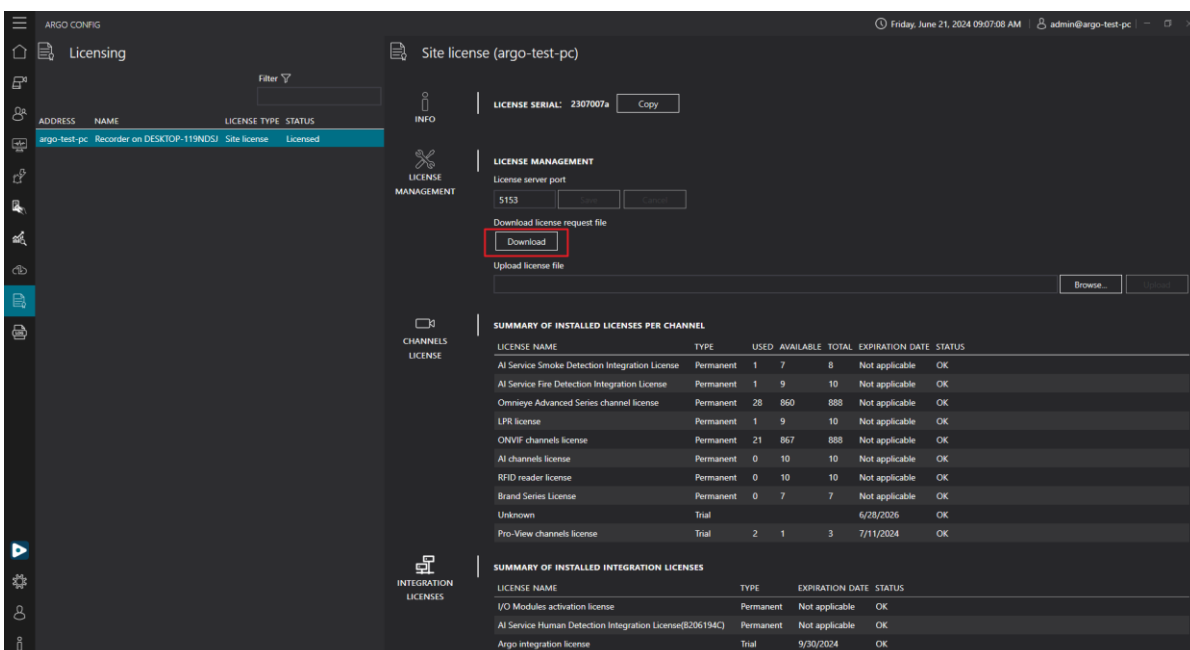


After logging in, please proceed with the initial setup process in the following order:
License □ Devices □ Event & Alarm Management □ User Management □ Access Control
Detail explanation of each steps will be provided in the chapters below.



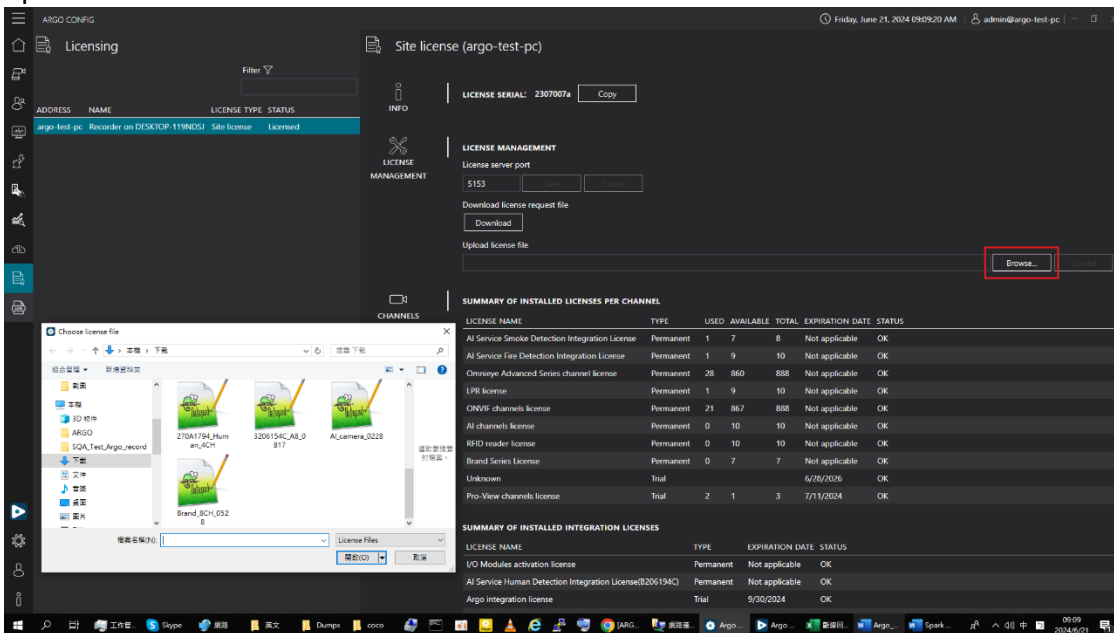
2.2 License

Users can apply for the channel licenses according to the quantity and type of device that will be added to the system. To apply for a license, go to the License section and press the Download button to get the license request file, then send the request file to Spark. Spark will respond with a license file corresponding to the number of channels.



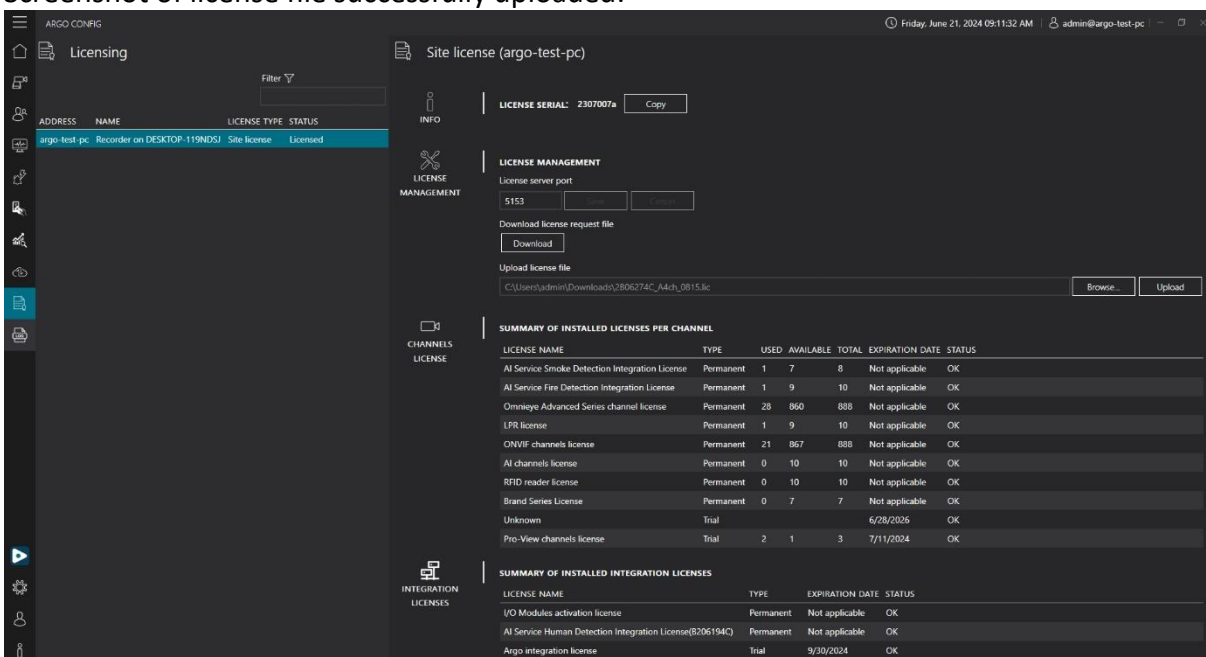


After receiving the license file from Spark, go to *License* section and click the Browse button to upload the license.



After uploading, you can start to configure related cameras, I/O modules and other advanced functions.

Screenshot of license file successfully uploaded:



License key type description:



ONVIF channel license	Applicable to cameras using ONVIF protocol.
Smart-Eye channel license	Applicable to Spark's Smart-Eye series cameras: B1, B2, D1
Pro-View channel license	Applicable to Spark's Pro-View series cameras: MIRA, KIARA, LUMINA
Top-Sight channel license	Applicable to Spark's Top-Sight series cameras: NITIDA
Omnieye Advanced Series channel license	Applicable to Omnieye's Advanced series cameras: BM1, BM2, DM1, DM2, BF1, BF2, DF1, DF2, PM1
NVR device license	Applicable to Milesight NVR or 4ch+ ONVIF devices.
RFID reader license	Applicable to UHF101 UHF RFID reader
I/O module device license	Applicable to external I/O module devices integrated with Argo: ADAM, tET-PD2POR2 CR, Pongee UHF101
LPR camera license	Applicable to access control services: LPR / UHF RFID license plate recognition, recording and management. For details on the features, refer to the Access Control section. Compatible LPR cameras: - Milesight MS-C2862-RFLPB (1/2") - Milesight MS-C2951-RLPB - Milesight MS-C2961-REL(P)B PTZ BULLET - Milesight MS-C2962-RELPB - Milesight MS-C2962-RFLPB - Milesight MS-C2963-RLPB - Milesight MS-C2964-RFLPB - V82-DV103
Brand series license	Applicable to AMTK and other integrated camera brands

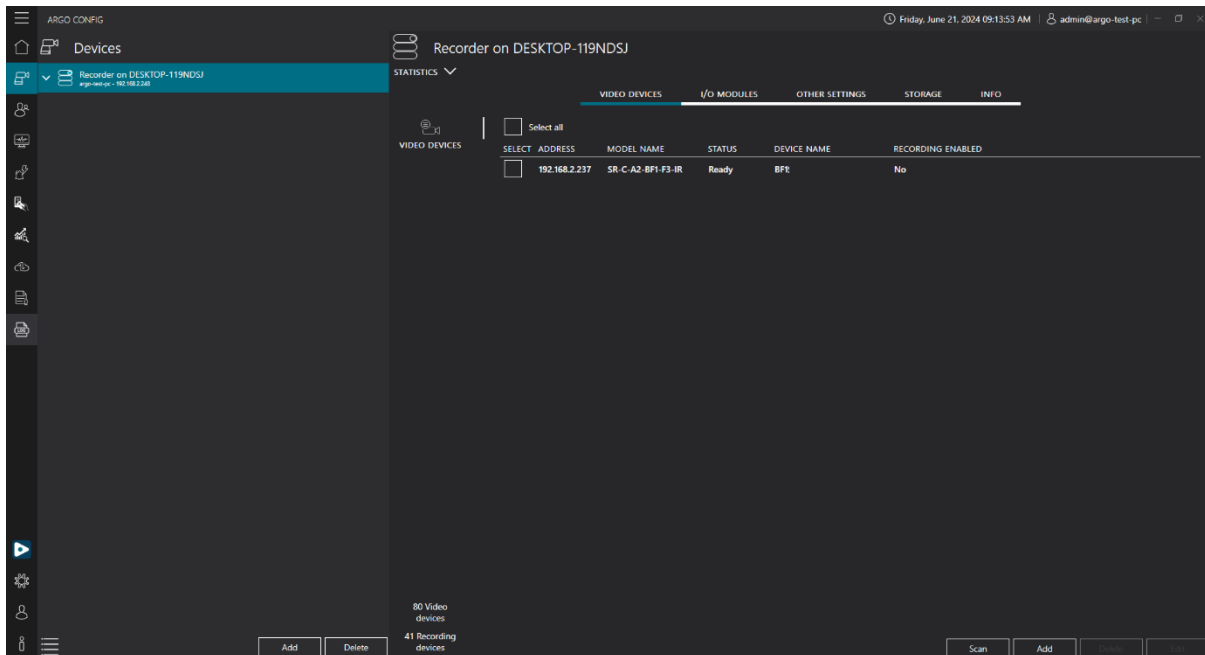
Note: All licenses (except access control and I/O module licenses), are determined by the number of devices. For example: to connect to 5 cameras, you will need five license keys. The license key is not bound to the device and can be used on other devices after being removed.

2.3 Device

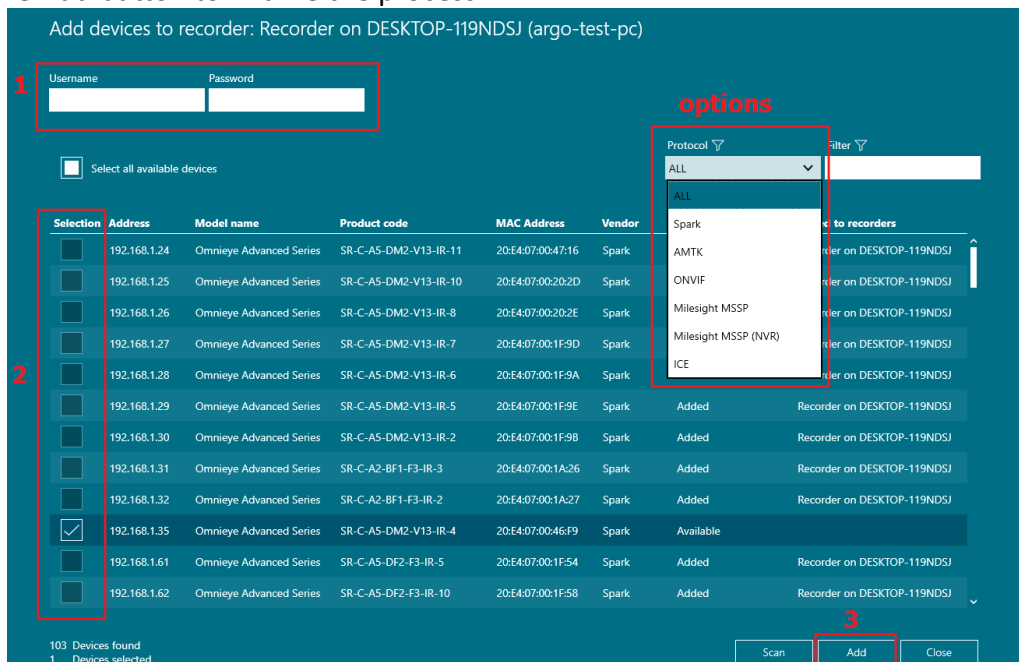
This page allows you to manage connected devices.

2.3.1 Add device

Users can add devices in two different ways: (1) scan and (2) add.



- 1. Automatic scan:** Enable this mode by clicking the Scan button. A window will pop-up and the device search will start automatically. Users may choose camera protocol to shorten the list. To add a new device, (1) select device(s) from the list, (2) insert username and password, then (3) click the Add button to finalize the process.



- 2. Manual add:** Enable this mode by clicking *Add* button. A window will pop-up. Insert the corresponding information then click the Add button to finalize the process.



Add device to recorder manually

Brand	Model
Spark	Spark® main products
Address	Port (0 or empty value means default)
	0

Disable IP range

Address

Username Password

Add Cancel

2.3.2 Edit device

To edit a camera, go to (1) *Devices* section, click on (2) *Video devices*, (3) select the camera from the list and (4) click *Edit*.

ARGO CONFIG Recorder on DESKTOP-119NDSJ

STATISTICS

VIDEO DEVICES I/O MODULES OTHER SETTINGS STORAGE INFO

Select all * Only modify up to 32 cameras at a time!

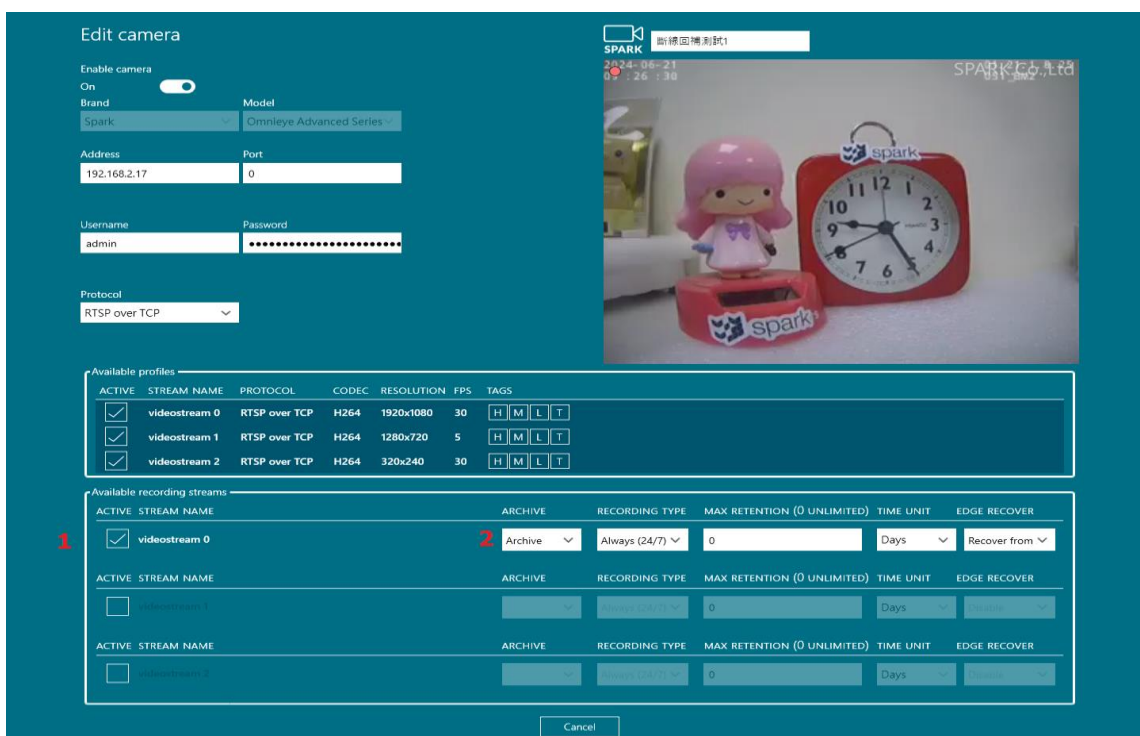
SELECT	ADDRESS	MODEL NAME	STATUS	DEVICE NAME	RECORDING ENABLED
<input type="checkbox"/>	192.168.2.237	SR-C-A2-BF1-F3-IR	Ready	BF1	No
<input checked="" type="checkbox"/>	192.168.1.101	SR-C-A2-BF1-F3-IR	Ready	BF1	Yes

1 Selected Video Devices
80 Video devices
41 Recording devices

Scan Add Delete Edit

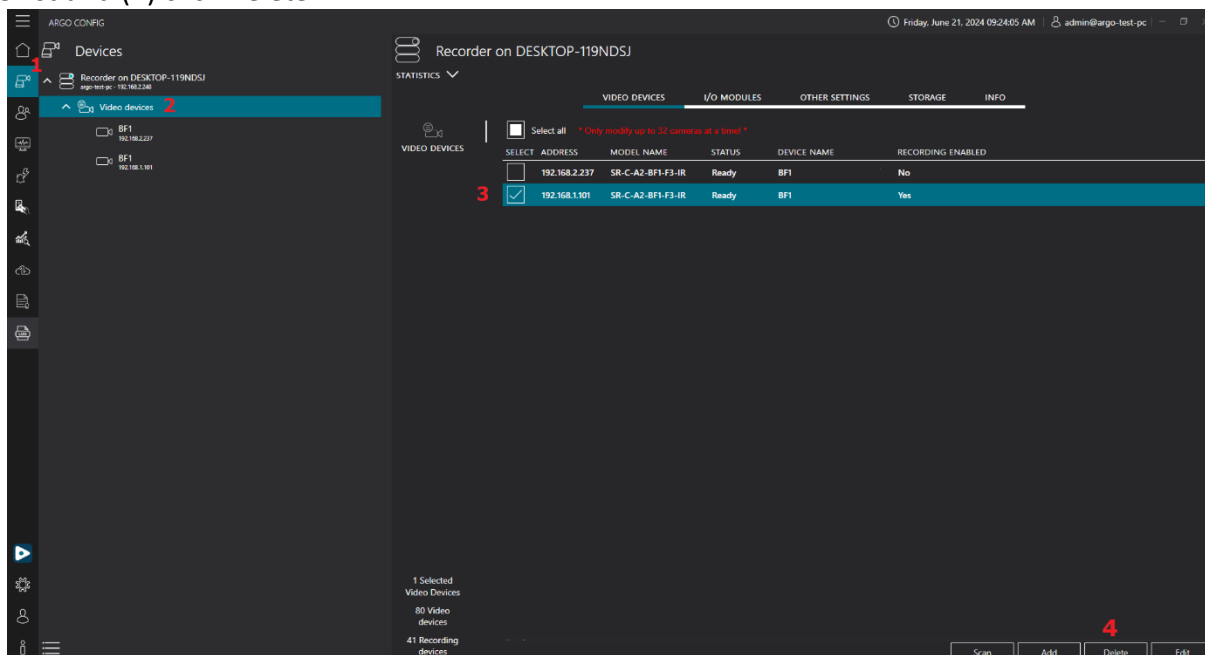


A window containing all the information about the selected camera will pop-up. (1) Select a stream to activate. (2) If the Archive is highlighted in yellow means that no Archive has been created. Please go to the Add Archives section to create an archive.



2.3.3 Delete device

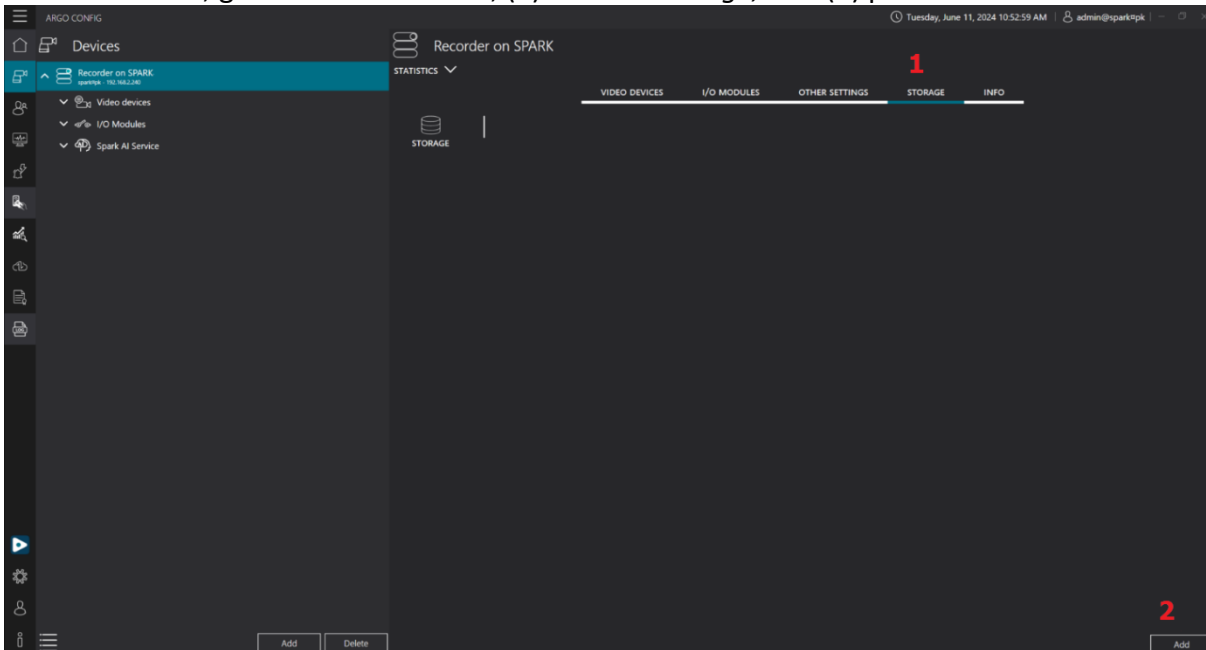
To delete a camera, go to (1) *Devices* section, click on (2) *Video devices*, (3) select the camera from the list and (4) click *Delete*.



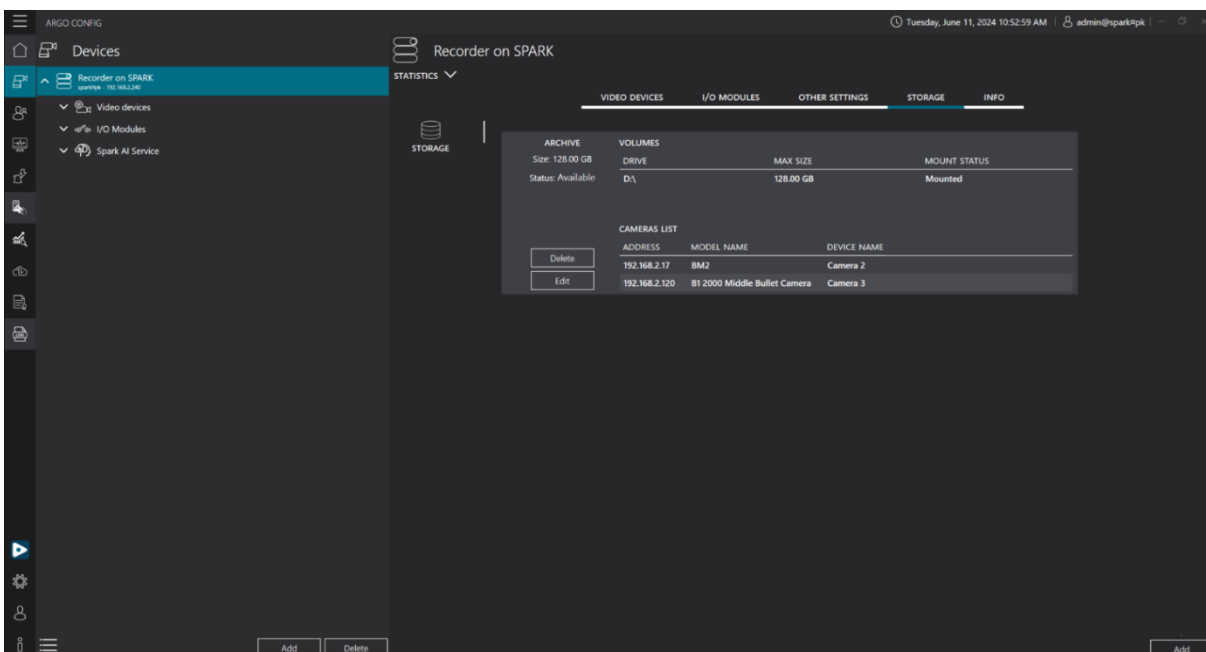


2.3.4 Add archives

To add archives, go to *Devices* section, (1) click on *Storage*, and (2) press the *Add* button.



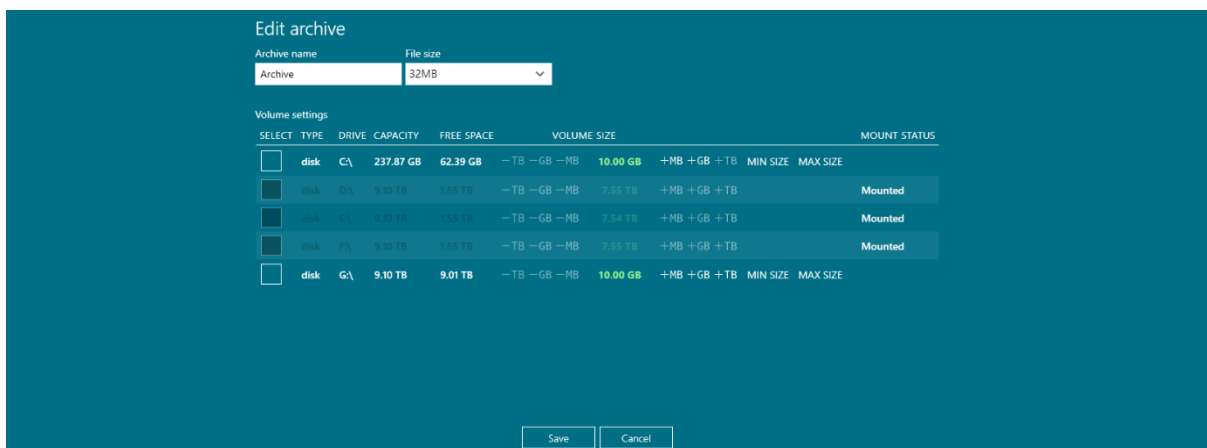
After successfully adding an archive, users can see the current storage status of the Recorder server.





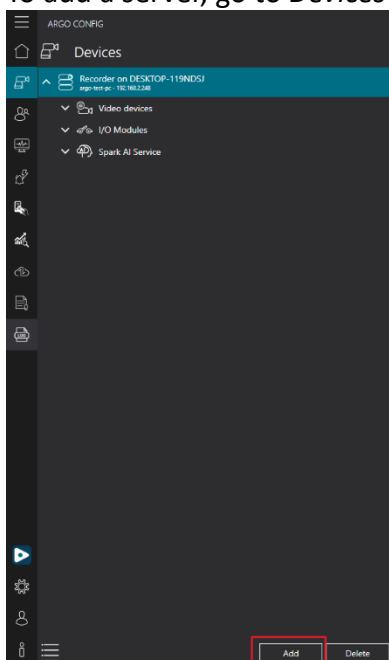
2.3.5 Edit archives

Go to the Devices section, select *Storage* tab and press *Edit* button on the archive you want to edit. A window will pop-up showing the details of the selected archive. At this point you can modify the archive, expanding or reducing the space used. Clicking MB and GB for 2 seconds will expand by 10, while clicking for 6 seconds will expand by 100.



2.3.6 Add server

To add a server, go to *Devices* section and click the *Add* button.





A window will pop-up. Insert the corresponding information, then click the Add button to finalize the process.

Node	Description
Slave node	The new server will work as a secondary server.
Failover node	The new server will work as a failover server. When primary server is down, the failover server will take over.
Custom node	The new server will work as a secondary server with failover on authentication authority services.

Note: To revert to standalone mode, you need to delete the servers and go to the Argo Recorder and select "Set server to stand alone mode."



2.3.7 Other settings

2.3.7.1 Database setting

Set file segmentation interval time according to AI/LPR/Event management and usage records.

Note: File segmentation interval range is 1-100 days, retention period 10-100 days.

The screenshot shows the 'Recorder on SPARK' interface with the 'OTHER SETTINGS' tab selected. The 'DATABASE OPTIONS' section is expanded to show settings for three databases: AI DataBase, ALPR DataBase, and Event Manager DataBase. Each database has a 'Split file interval' and 'Retention days' field, both set to 1 and 10 respectively. At the bottom, the 'DB Storage Path' section contains a table with two rows of storage options.

SELECT	TYPE	DRIVE	MAX SIZE	FREE SPACE
<input checked="" type="radio"/>	disk	C:\	237.23 GB	134.01 GB
<input type="radio"/>	disk	D:\	931.39 GB	430.16 GB



2.3.7.2 External network settings

EXTERNAL NETWORK SETTINGS

Public ip address and port

External IP
0.0.0.0

Port Forwarding
0 (0 ~ 65535)

Listen port
20842 (0 ~ 65535)

IP address: the IP address for WAN connection, which is used to access the internet. Insert the IP address to support the Line Notify link feature (replacing photos).

Listening port: insert eh port number to be used to receive data.

Note:

- The listening port is preset. Modify only if necessary; it's recommended not to change it unless required.
- The purpose of replacing photos with short URLs is to avoid reaching the photo limit imposed by Line.

2.3.7.3 LPR upload settings

LPR UPLOAD SETTING

LPR FTP uploading

Enable

Path

(ftp://ip address)

Username

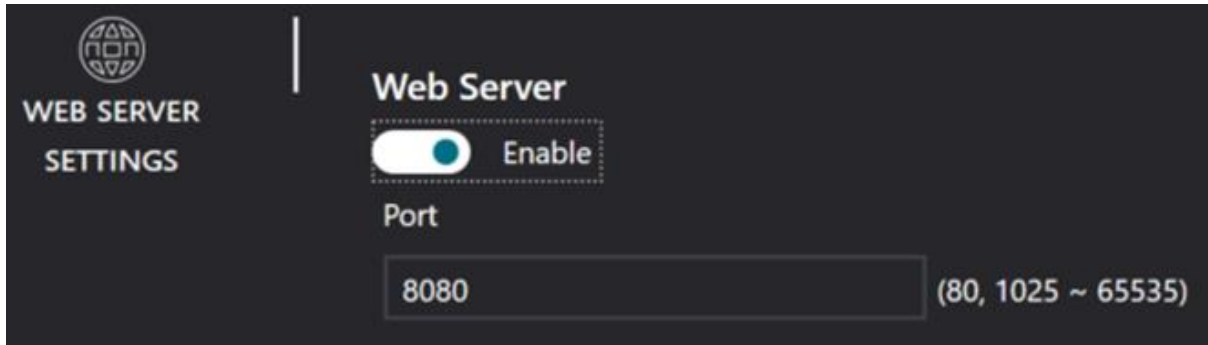
Password

Temporary Folder

When enabled, data can be uploaded to an FTP server. If the file data exceeds the temporary storage space (10GB), old files will be deleted.



2.3.7.4 Web server setting



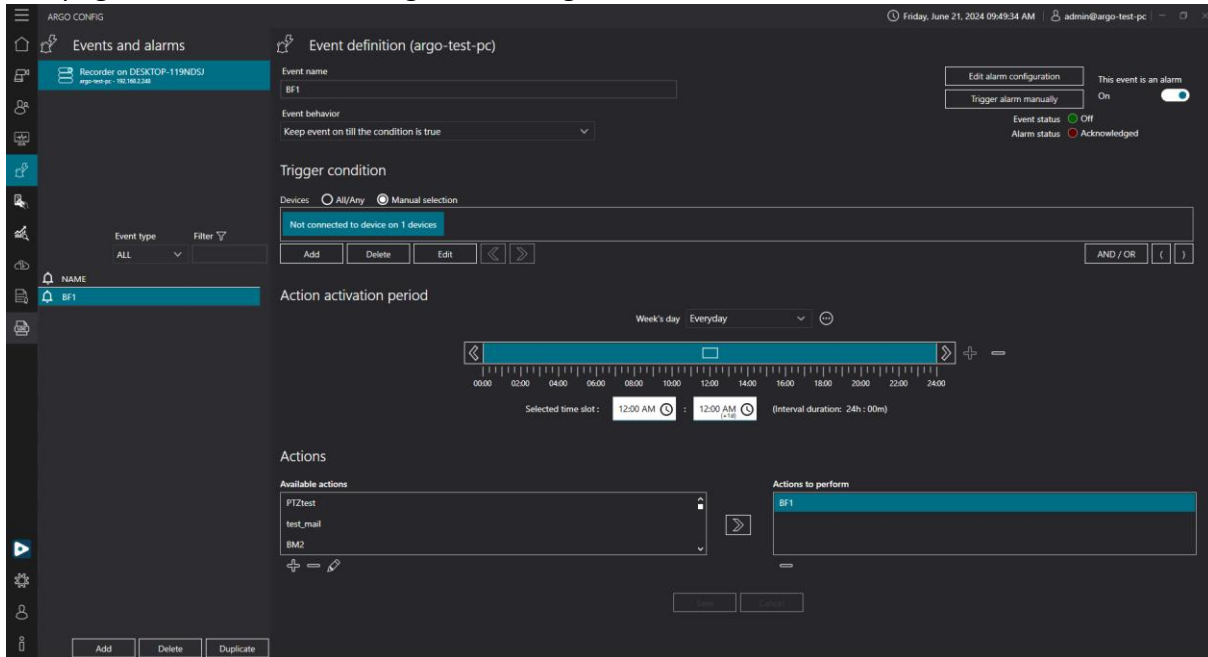
When enabled, insert "Server IP: Port" in the web browser to remotely monitor real-time images.





2.4 Event and alarm management

The page allows users to manage and configure events and alarms.



2.4.1 Add event

Go to *Events and Alarms* section and press *Add*. A window will pop-up to enable users to configure event behavior, trigger conditions and schedule.

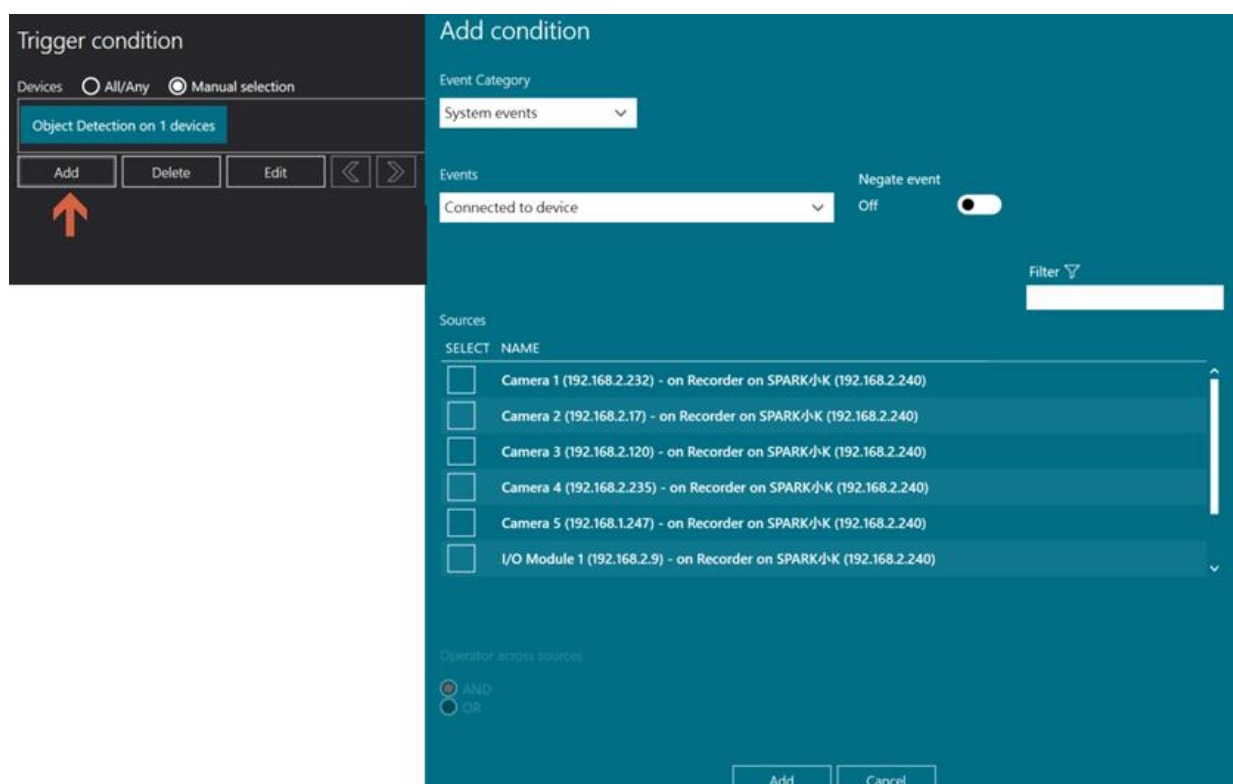




Event behavior	Define activation behavior of the event.
Event is an alarm	When enabled, the event will be defined as an alarm. See Alarm Configuration for more information.
Trigger condition	Define the trigger condition. See Trigger Condition for more information.
Action activation period	Define the activation schedule.
Actions	Define actions in response to events.

2.4.1.1 Trigger conditions

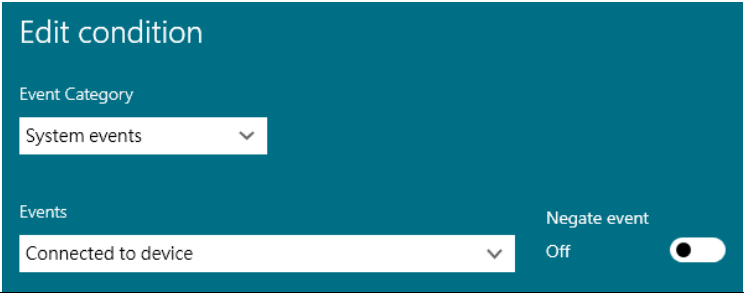
To add a new trigger condition, users must define event category, event type and event source.



Event type will depend on the event category selected. Refer to the table below for details on the event category and its corresponding event type.

Event Category	Event	Description
Spark AI service	People density	Triggers when crowd density exceeds the set value (1-10 people).
	Object detection	Triggers when an object (incl. a person) is detected



	Loitering	Triggers when an object is detected loitering for longer than the set value (1-300 seconds)
	License status	Triggers when license status is abnormal.
	Smoke detection	Triggers when smoke is detected.
	Fire detection	Triggers when fire is detected.
System events	Connected to device	Triggers when the device is connected. Enable <i>Negate event</i> to receive alarm when device is disconnected. 
	Device licensed	Triggers when device license is activated.
	CPU usage critical	Triggers when CPU usage reaches 80%.
	CPU usage	Triggers when CPU usage reaches defined %.
	Memory load critical	Triggers when memory usage reaches 80%.
	Memory load	Triggers when memory usage reaches defined %.
	Backup	Triggers when backup is activated.
	Disk online status	Triggers when the disk is working normally.
Events and alarms	Alarm has been assigned	Triggers when a select source is assigned.
	Alarm has been assigned by	Triggers when the selected source is assigned by a defined user/group.
	Alarm has been managed	Triggers when the selected source is managed.
	Alarm has been managed by	Triggers when the selected source is managed by a defined user/group.
I/O events	I/O output status	Triggers when I/O output status is active.
	I/O input status	Triggers when I/O input status is active.
	Audio output stream status	Triggers when audio output status is active.
On edge analytics events	Crowd density	Triggers when sens cam detects crowd density.
	Tripwire	Triggers when sens cam detects tripwire.
	Motion	Triggers when sens cam detects motion.
	Tampering	Triggers when sens cam detects tampering.
	Audio	Triggers when sens cam detects audio.
	Perimeter	Triggers when sens cam detects intrusion.
Access control	Category signaled	Triggers when an ID present in category is detected.
	Category signaled for allowed id is detected	Triggers when an ID present in category and allow list is detected.



	Category signaled for denied id is detected	Triggers when an ID present in category and deny list is detected.
	Category signaled for expired id is detected	Triggers when an ID present in category and expired list is detected.

2.4.1.2 Response action

When adding a response action, the following screen will appear, where the user needs to define the name of the response action.

Response action	Description
Start recording	Selected camera will start recording after the event occurs.
I/O output	I/O output will activate after the event occurs.
Go to preset	Selected PTZ camera will move to the preset position after the event occurs.
Start tour	Selected PTZ camera starts a preset tour path after the event occurs.
Send email	An email will be sent after the event occurs.
Line notification	Line notification will be sent after the event occurs.
LED display	LED display will activate after the event occurs.
HTTPS event	A notification will be sent via HTTPS to third-party devices after the event occurs.



Note: If there are multiple Line groups, you need to set multiple events so that each group can receive the push notification with the photo.

2.4.2 Alarm configuration

To configure an alarm on a new event, first enable *This event is an alarm* and click on *Edit alarm configuration*. A window will pop-up to enable users to configure alarm.

To configure alarm on an existing event, select the event and then click on *Edit alarm configuration*. A window will pop-up to enable users to configure alarm.

All events are recommended to be bound as alarms for event management and query.


ADDRESS	DEVICE NAME	MODEL NAME	STATUS	NODE
192.168.2.237	BF1焼機01_2.237_倉庫走道 - videoinput 1 - on recorder	SR-C-A2-BF1-F3-IR	Ready	argo-test-pc




2.4.2.1 Alarm category

Default alarm categories are *Critical* and *System*. Click  to add/delete categories.

2.4.2.2 Alarm related device



Click on  to link a device to the alarm.

Related devices							
ADDRESS	DEVICE NAME		MODEL NAME	STATUS	NODE		
192.168.2.237	BF1	- videoinput 1 - on recorder	argo-test-pc	SR-C-A2-BF1-F3-IR	Ready	argo-test-pc	



2.4.2.3 Alarm procedure

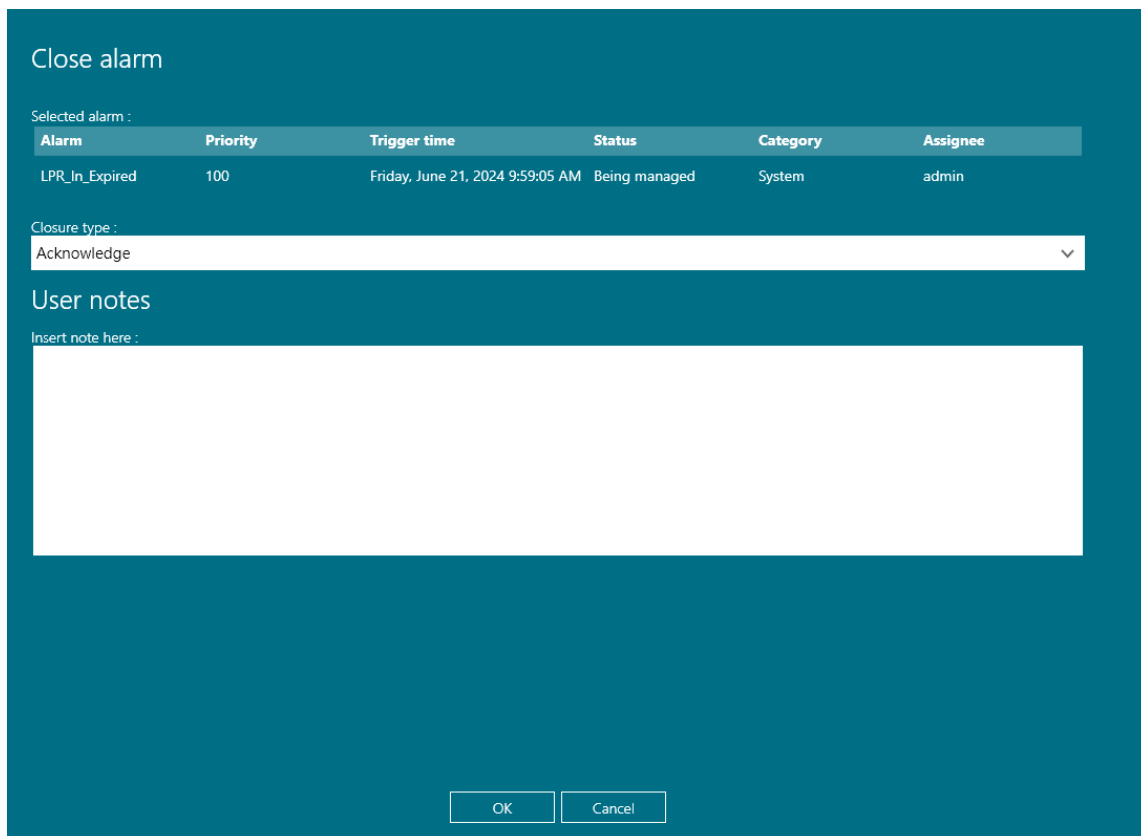
Users can provide a response SOP to guide monitoring personnel on dealing with triggered alarms.

Click on   to add/delete SOP.



The image shows a dialog box titled "Alarm procedure". It has a large white text input area on the left and a teal sidebar on the right containing a plus sign (+) and a minus sign (-) icon.

When an alarm is triggered, Argo Client will display the following to the monitoring personnel:



The image shows a "Close alarm" dialog box. It contains the following elements:

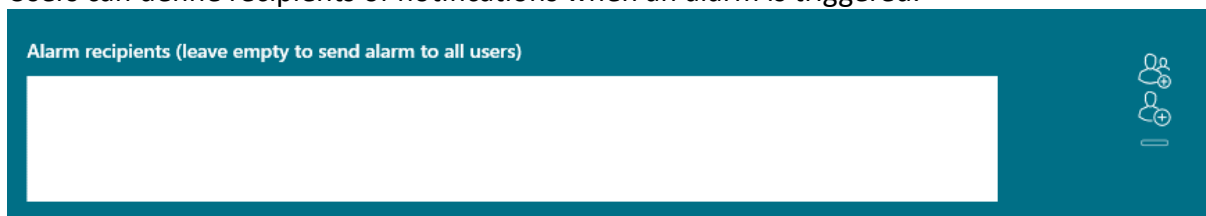
- Close alarm** (Title)
- Selected alarm :** A table with the following data:

Alarm	Priority	Trigger time	Status	Category	Assignee
LPR_In_Expired	100	Friday, June 21, 2024 9:59:05 AM	Being managed	System	admin
- Closure type :** A dropdown menu with "Acknowledge" selected.
- User notes** (Section header)
- Insert note here :** A large white text input area.
- OK** and **Cancel** buttons at the bottom.



2.4.2.4 Alarm recipients

Users can define recipients of notifications when an alarm is triggered.

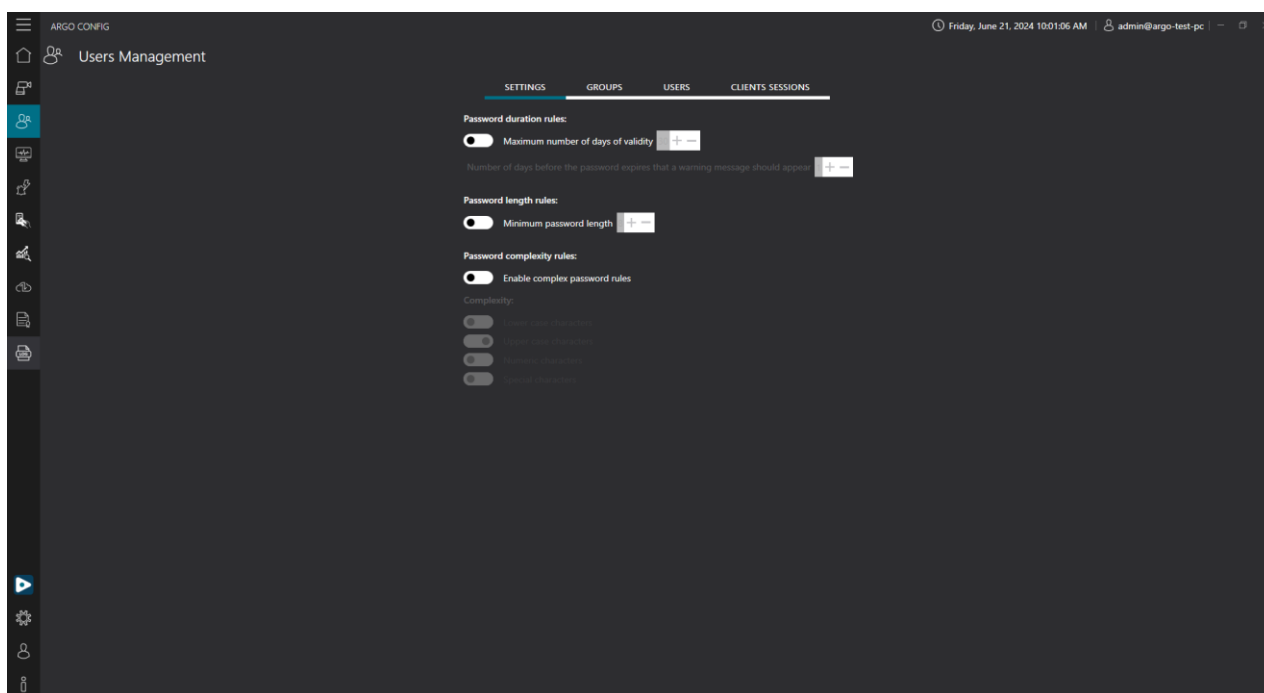


2.5 User management

This page is for managing users, user groups and privileges. The administrator user (*admin*) has access to all features in the system and can create users or user groups with different privileges.

2.5.1 Password settings

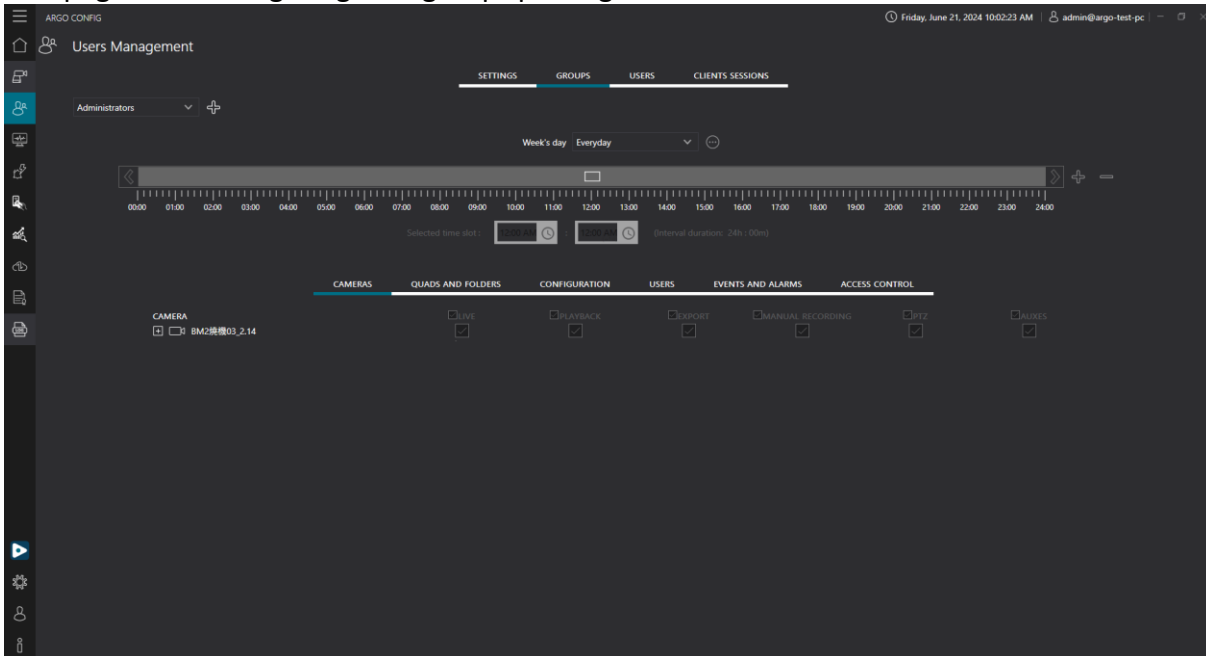
This page is for configuring password rules for all users/user groups.







2.5.2 Groups

This page is for configuring user groups privilege.

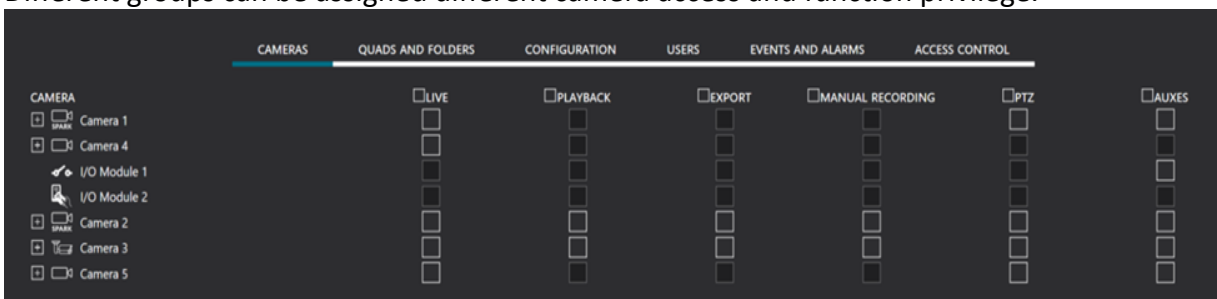


Click on   to add/delete user groups.



2.5.2.1 Camera grants

Different groups can be assigned different camera access and function privilege.





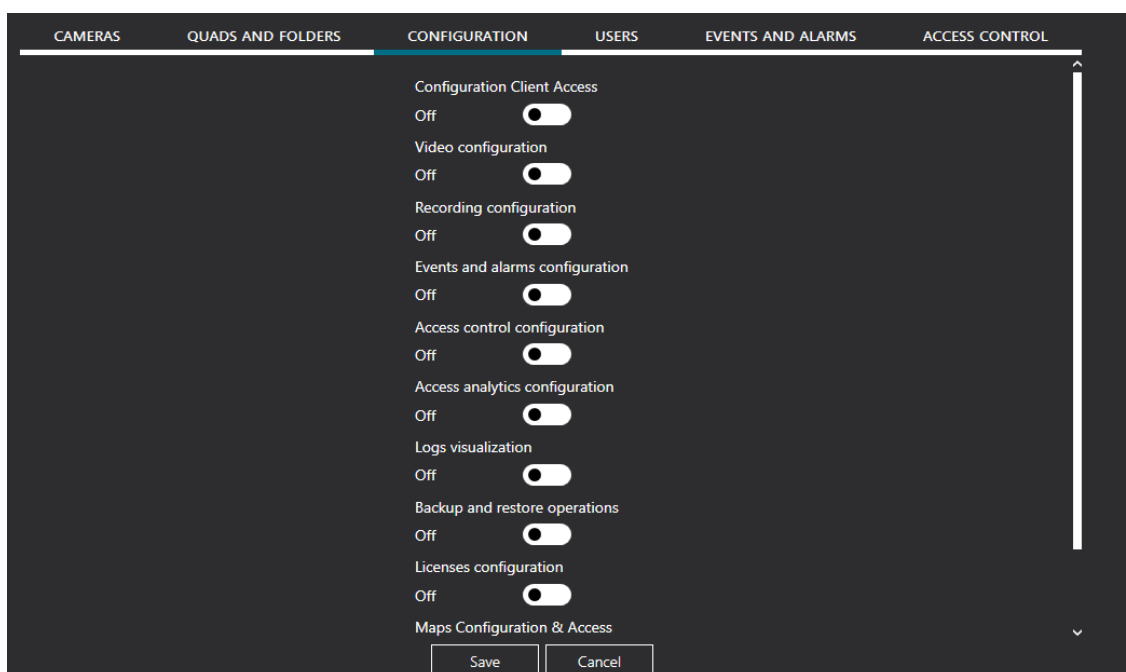
2.5.2.2 Quad grants

Different groups can be assigned different live view formats.



2.5.2.3 Configuration grants

Different groups can be assigned different configurations privilege.

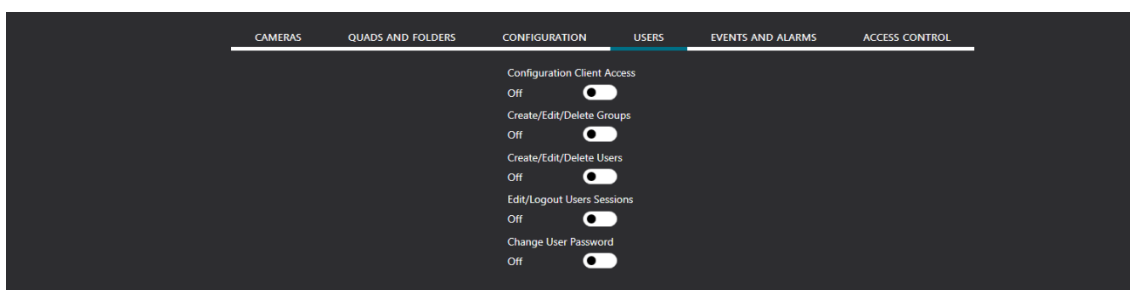


Privilege	Description
Configuration Client Access	When disabled, users of the selected group will not be able to access Argo Config.
Profile configuration	When disabled, users of the selected group will not be able to access profile configuration on Argo Config.
Recording configuration	When disabled, users of the selected group will not be able to access camera recording on Argo Config.



Events and alarms configuration	When disabled, users of the selected group will not be able to access events and alarms configuration on Argo Config.
Access control configuration	When disabled, users of the selected group will not be able to access the access control configuration on Argo Config.
Video analytics configuration	When disabled, users of the selected group will not be able to access video analytics configuration on Argo Config.
Logs visualization	When disabled, users of the selected group will not be able to access log on Argo Config.
Backup and restore operations	When disabled, users of the selected group will not be able to perform backup or restore on Argo Config.
Licenses configuration	When disabled, users of the selected group will not be able to access the license page on Argo Config.
Maps Configuration & Access	When disabled, users of the selected group will not be able to access or configure maps on Argo Config.
Quads Configurations	When disabled, users of the selected group will not be able to access or configure live view format on Argo Config.

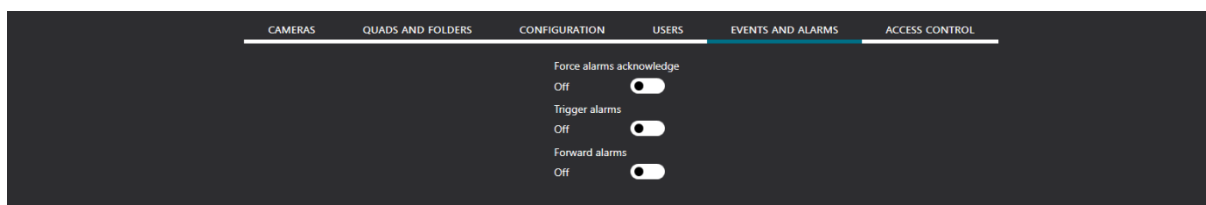
2.5.2.4 User grants



Privilege	Description
Configuration Client Access	When disabled, users of the selected group will not be able to access Argo Config.
Create/Edit/Delete Groups	When disabled, users of the selected group will not be able to create/edit/delete groups on Argo Config.
Create/Edit/Delete Users	When disabled, users of the selected group will not be able to create/edit/delete users on Argo Config.
Edit/Logout User Sessions	When disabled, users of the selected group will not be able to edit/logout other users' sessions on Argo Config.
Change User Password	When disabled, users of the selected group will not be able to password on Argo Config.

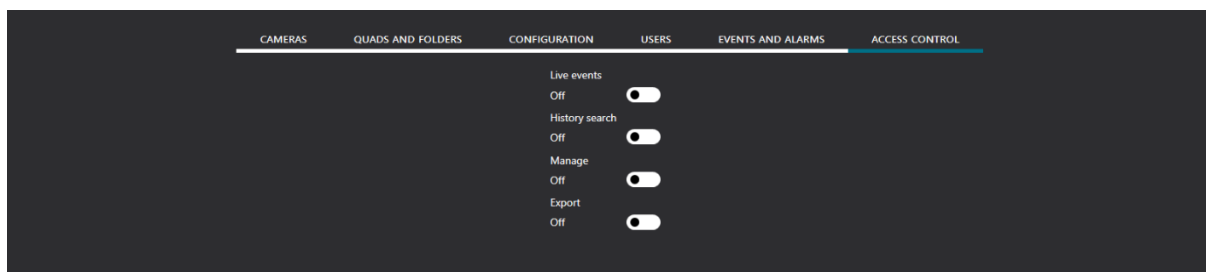


2.5.2.5 Event and alarm grants



Privilege	Description
Force alarms acknowledge	When disabled, users of the selected group will not be able to force alarm acknowledgment on Argo Config.
Trigger alarms	When disabled, users of the selected group will not be able to manually trigger alarm on Argo Config.
Forward alarms	When disabled, users of the selected group will not be able to forward alarm on Argo Config.

2.5.2.6 Access control

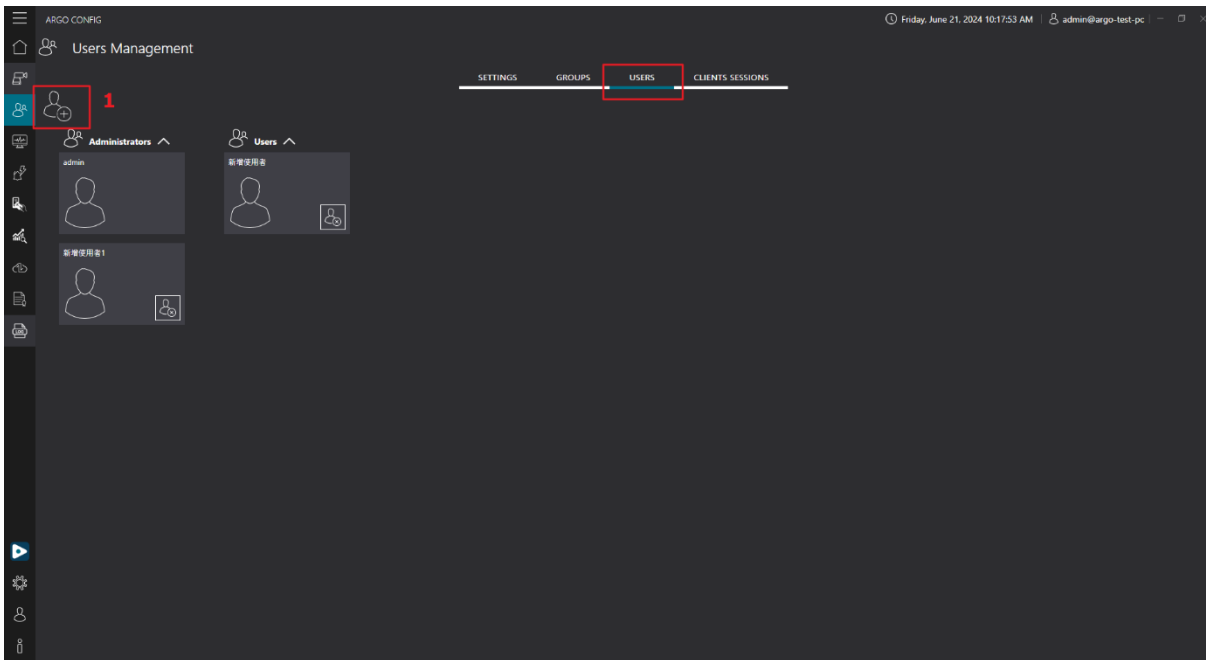


Privilege	Description
Live events	When disabled, users of the selected group will not be able to live view access control events on Argo Client.
History search	When disabled, users of the selected group will not be able to search for the record of the accessed ID on Argo Client.
Manage	When disabled, users of the selected group will not be able to manage ID with access permission on Argo Config.
Export	When disabled, users of the selected group will not be able to export the list of ID with access permission on Argo Config.



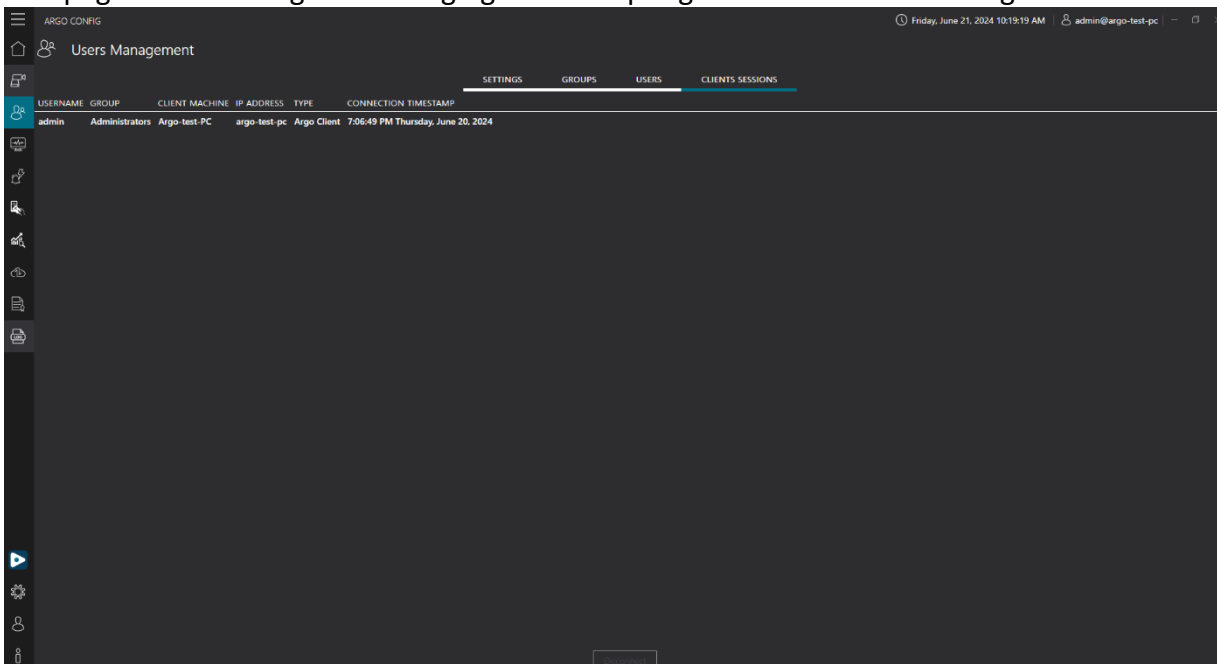
2.5.3 User

This page is for adding new users to user groups. Click in the add icon **(1)** to add a new user.



2.5.4 Client sessions

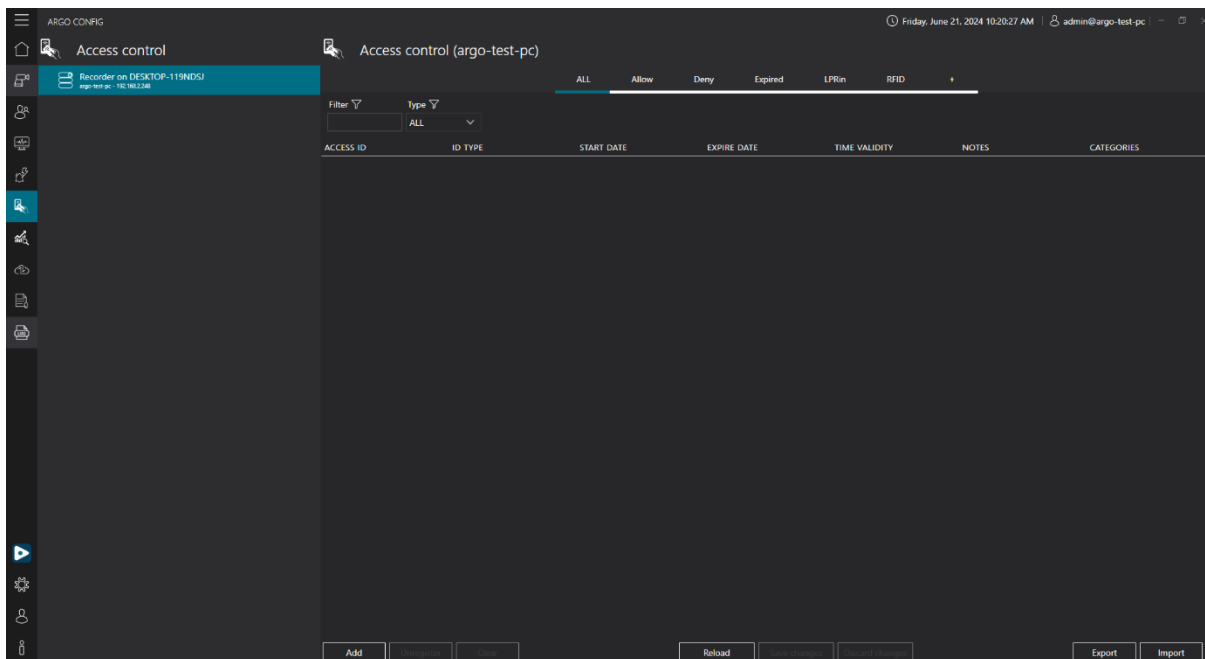
This page is for viewing and managing or interrupting users' connection to Argo Client.





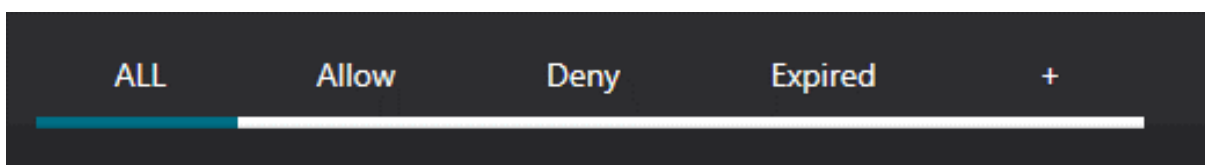
2.6 Access Control

This page requires a license key to be activated. This page is for managing access control of vehicles (incl. motorcycles) through license plate recognition and UHF RFID reader.




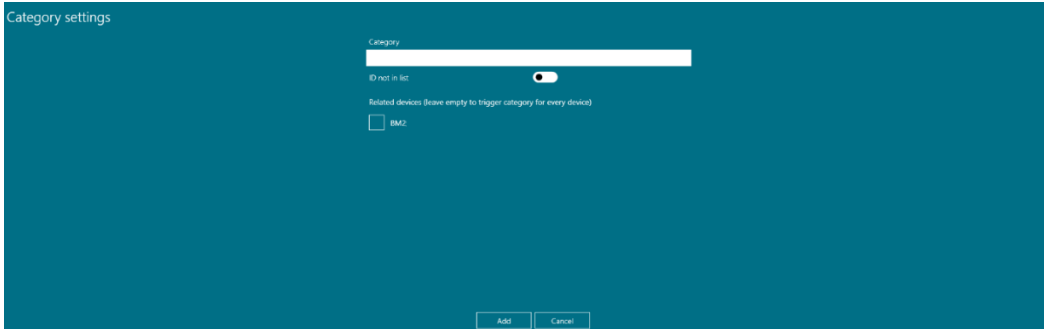
2.6.1 Add category

There are 3 default ID categories: allowed, denied, expired. By default, new ID added will be categorized as allowed and once its expiration date is passed, it will be moved to the expired category.



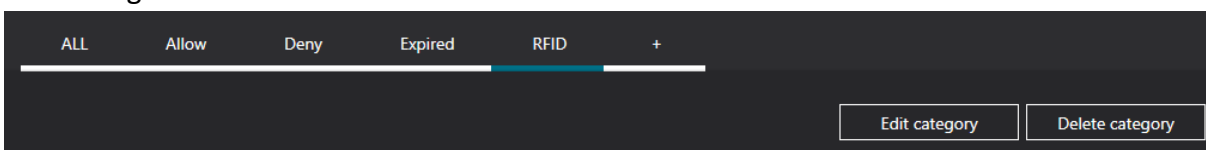


Users may add new category by clicking on the  icon. When creating a new category, users must select a device (LPR camera/UHF RFID reader) to bind with the new category.



2.6.2 Edit/delete category

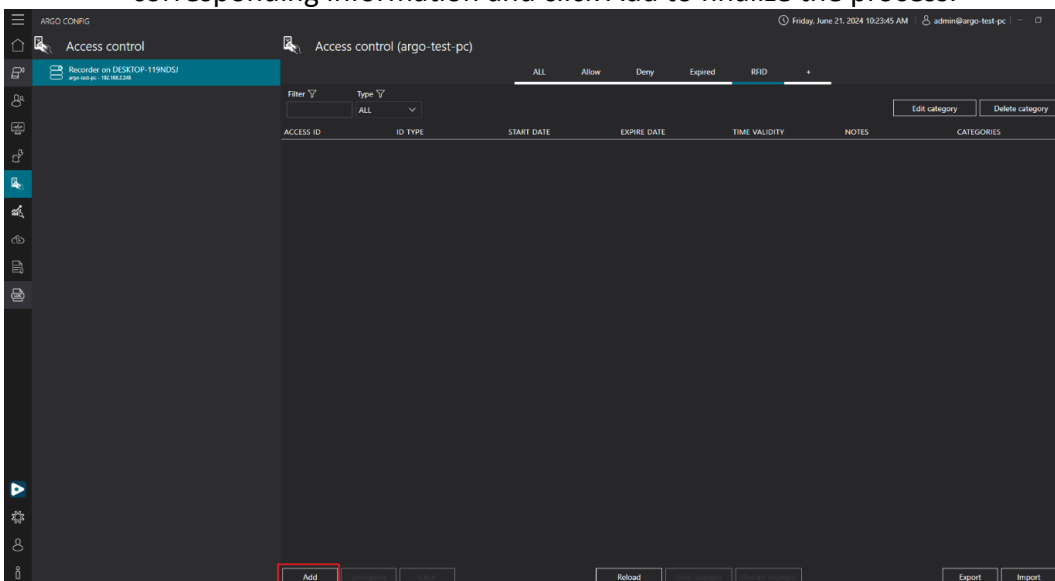
To edit/delete category, first click on the category and the edit/delete buttons will appear on the bottom right corner.



2.6.3 Add ID

There are 3 ways to add ID: (1) manual add, (2) excel or csv file, (3) access record.

- (1) To manually add an ID, click on Add button located in the bottom left corner. Fill out the corresponding information and click Add to finalize the process.





Registered access id settings

Access id

Id type

Begin of overall validity

End of overall validity

Begin of daily validity

End of daily validity

Notes

Categories: Allowed Denied

Field	Description
Access ID	Insert access ID. The system will use this ID to grant access permission of the vehicle.
ID type	Select ID type. For LPR, insert license plate number. For RFID, insert RFID number.
Begin of overall validity	Select validity start period.
End of overall validity	Select validity end period.
Begin of daily validity	Select daily validity start time.
End of daily validity	Select daily validity end time.

(2) To add ID list with excel or csv file, click on Import button located in the bottom right corner. Excel format must be as follow:

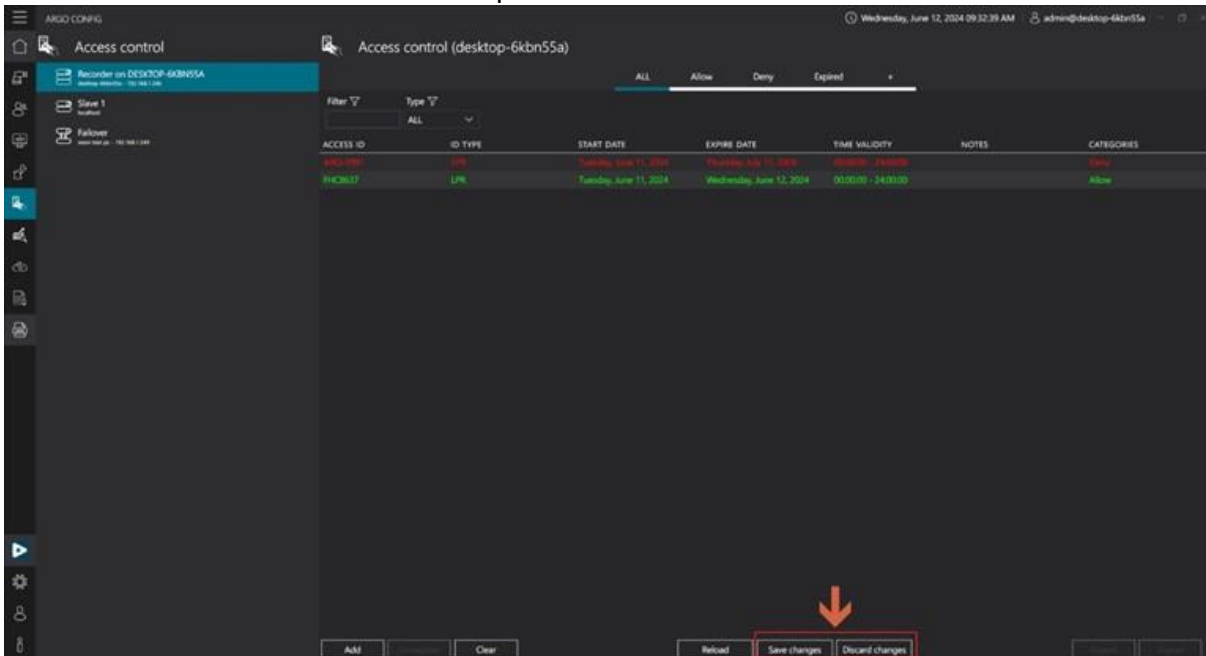
Access id	Id type	Begin of overall validity	End of overall validity	Begin of daily validity	End of daily validity	Notes	Categories
FHC8637	LPR	2024/06/11 00:00:00	2024/06/12 10:00:00	00:00:00	24:00:00		Allowed
ARQ-2991	LPR	2024/06/11 00:00:00	2024/07/11 00:00:00	00:00:00	24:00:00		Denied

Csv format must be as follow:

ACCESS ID; ID TYPE; BEGIN OF OVERALL VALIDITY; END OF OVERALL VALIDITY; BEGIN OF DAILY VALIDITY; END OF DAILY VALIDITY; NOTES; CATEGORIES
 APU0802; LPR; 2022-01-17T00:00:00.000Z; 2022-02-17T00:00:00.000Z; 00:00:00; 24:00:00; ; Denied



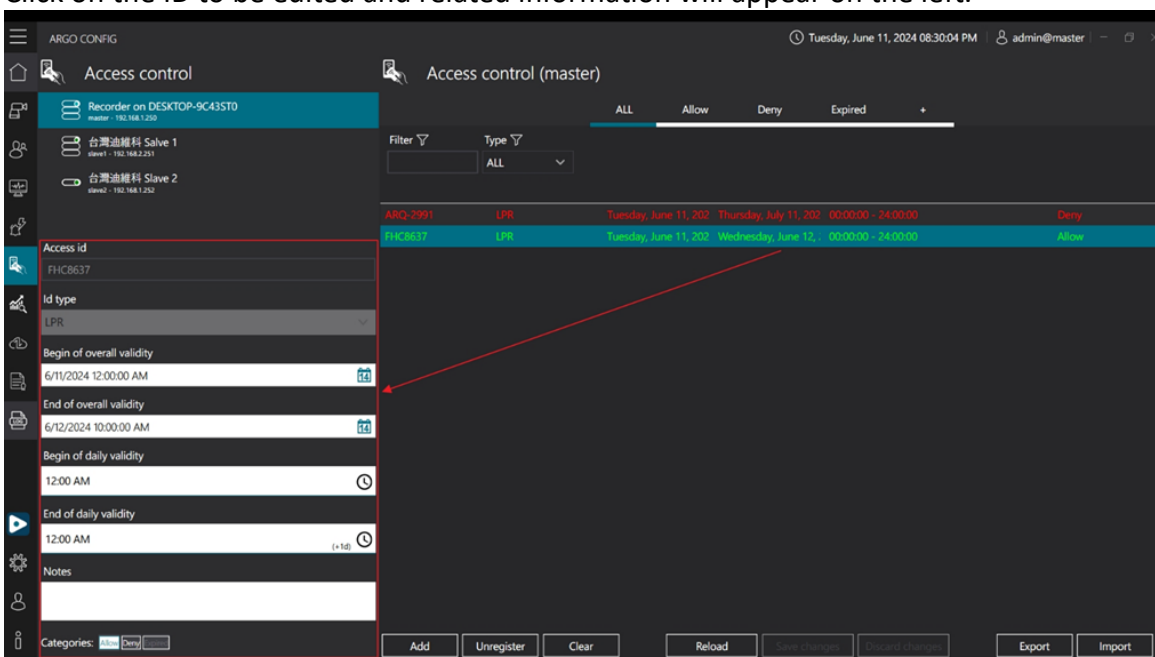
Make sure to click Save to finalize the process.



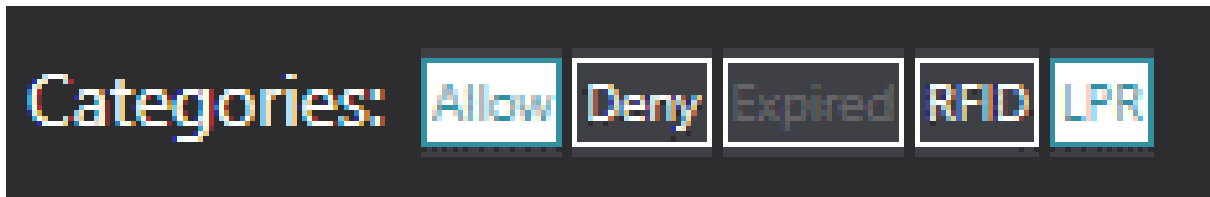
To add ID with access record, go to access record on Argo Client. See search access record for more information.

2.6.4 Edit ID

Click on the ID to be edited and related information will appear on the left.



Click on the categories you wish to add the ID.



After selecting the category, the ID will show on the selected category list.

ACCESS ID	ID TYPE	START DATE	EXPIRE DATE	TIME VALIDITY	NOTES	CATEGORIES
ABC1234	LPR	Friday, June 21, 2024	Sunday, July 21, 2024	00:00:00 - 24:00:00		Allow, LPR

2.6.5 Unregister ID

To unregister an ID, select the ID and then click on the Unregistered button.

The screenshot shows the Argo Config interface for 'Access control (argo-test-pc)'. A table lists access IDs with columns for ACCESS ID, ID TYPE, START DATE, EXPIRE DATE, TIME VALIDITY, NOTES, and CATEGORIES. The entry for 'ABC1234' is selected. Below the table, the 'Unregister' button is highlighted. The left sidebar shows configuration details for the selected ID, including 'Access id' (ABC1234), 'Id type' (LPR), and various validity settings.



2.7 Backup and restore

This page is for backup / restore system and camera settings.

2.7.1 Backup

To backup, select the device(s) and then click the Browse button to select the backup destination file. Click the Start backup button to start the process.

ARGO CONFIG Tuesday, June 11, 2024 08:05:00 PM admin@desktop-6kbn55a

Backup and restore

BACKUP RESTORE SCHEDULE BACKUP

Select all available devices

Device type: All Filter

SELECTION	IP ADDRESS	DEVICE NAME	DEVICE TYPE	MODEL NAME	OPTIONS	STATUS
<input type="checkbox"/>		Slave 1	Recorder	Slave 1	<input type="checkbox"/> Events database	Ready
<input checked="" type="checkbox"/>	192.168.1.246	Recorder on DESKTOP-GKBN55A	Recorder	Recorder on DESKTOP-GKBN55A	<input checked="" type="checkbox"/> Events database <input checked="" type="checkbox"/> Licenses	Ready
<input type="checkbox"/>	192.168.1.249	Failover	Recorder	Failover	<input type="checkbox"/> Events database	Ready

Selected backup destination file:
C:\Users\Spark_SQA\Desktop\0102_752_Recorder备份.abkp

Browse... Start backup

2.7.2 Restore

On the Restore section, click Browse and upload the .abkp file. After uploading, select the device to restore and click the Start restore button to start the process.

ARGO CONFIG Tuesday, June 11, 2024 08:00:38 PM admin@desktop-6kbn55a

Backup and restore

BACKUP RESTORE SCHEDULE BACKUP

Selected backup file to restore:
C:\Users\TMS\Desktop\0611Restore.abkp

Browse

Backup file details:
Date and time: 4/11/2024 7:58:57 PM
Description:

Backup file content:

Select all available devices

Device type: All Filter

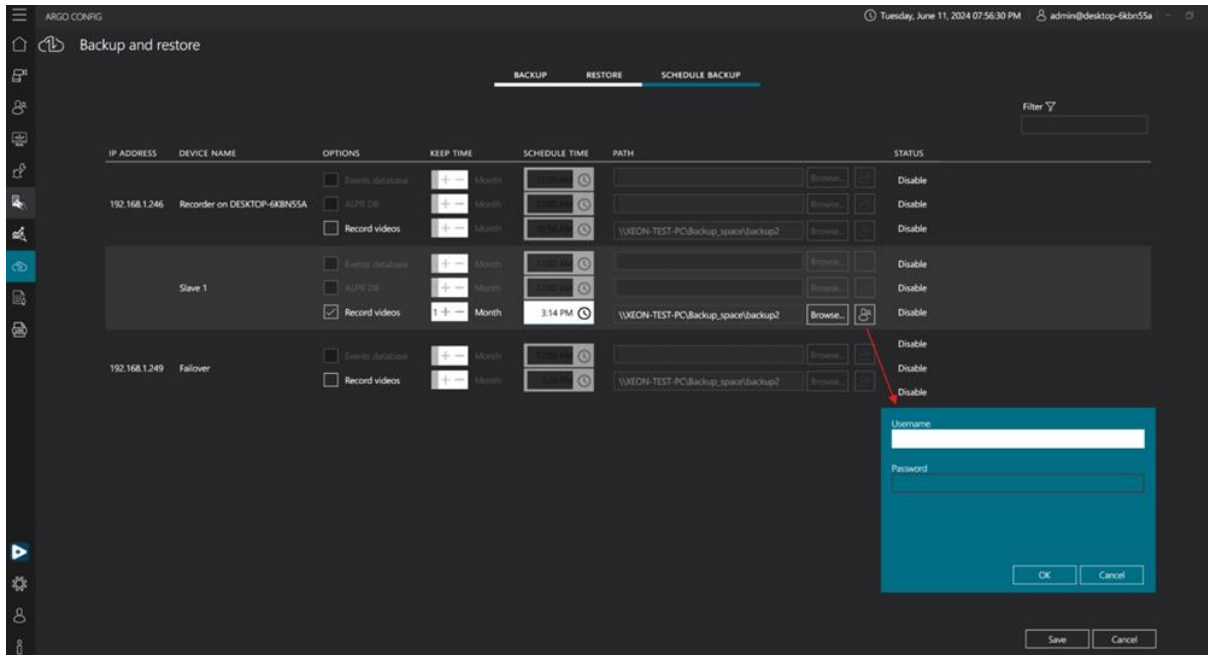
SELECTION	IP ADDRESS	DEVICE NAME	DEVICE TYPE	MODEL NAME	OPTIONS	DESTINATION	STATUS
<input checked="" type="checkbox"/>		desktop-6kbn55a	Recorder on DESKTOP-GKBN55A	Recorder	Recorder on DESKTOP-GKBN55A	<input checked="" type="checkbox"/> Events database <input checked="" type="checkbox"/> Licenses	Recorder on DESKTOP-GKBN55A Connected

Start restore

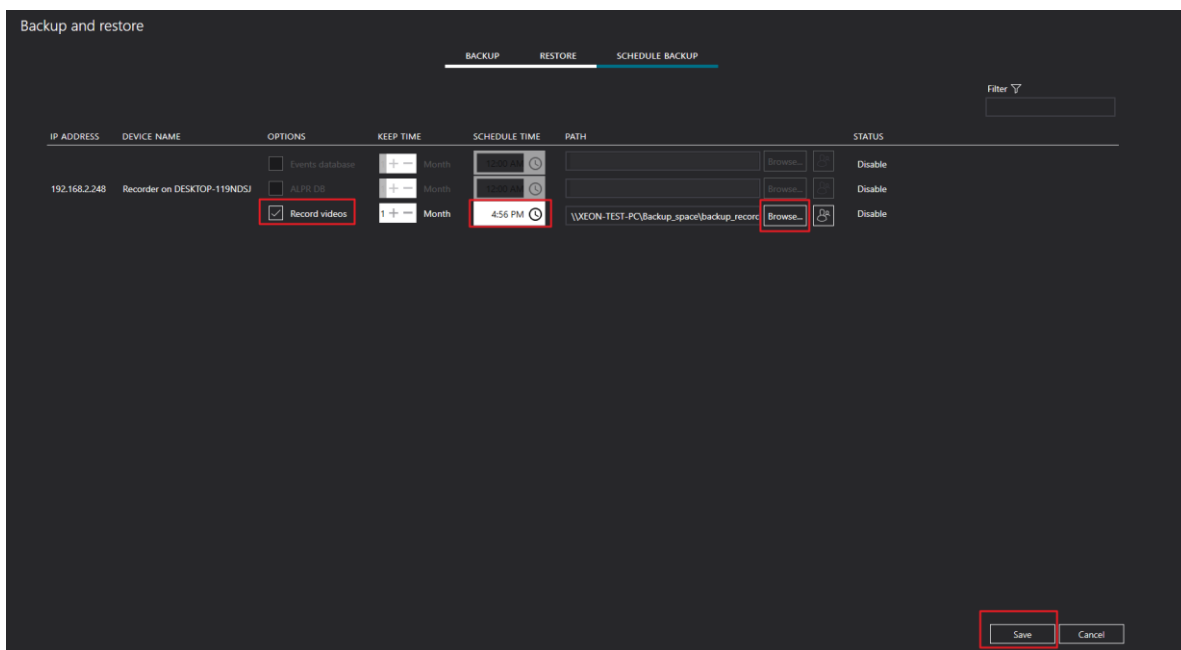


2.7.3 Schedule backup

Recording files can be set to start at a specific time each day. Backup files can be retained for one month.



To schedule backups, click Browse and select the destination folder. Set the daily start time and click Save to start the backup.



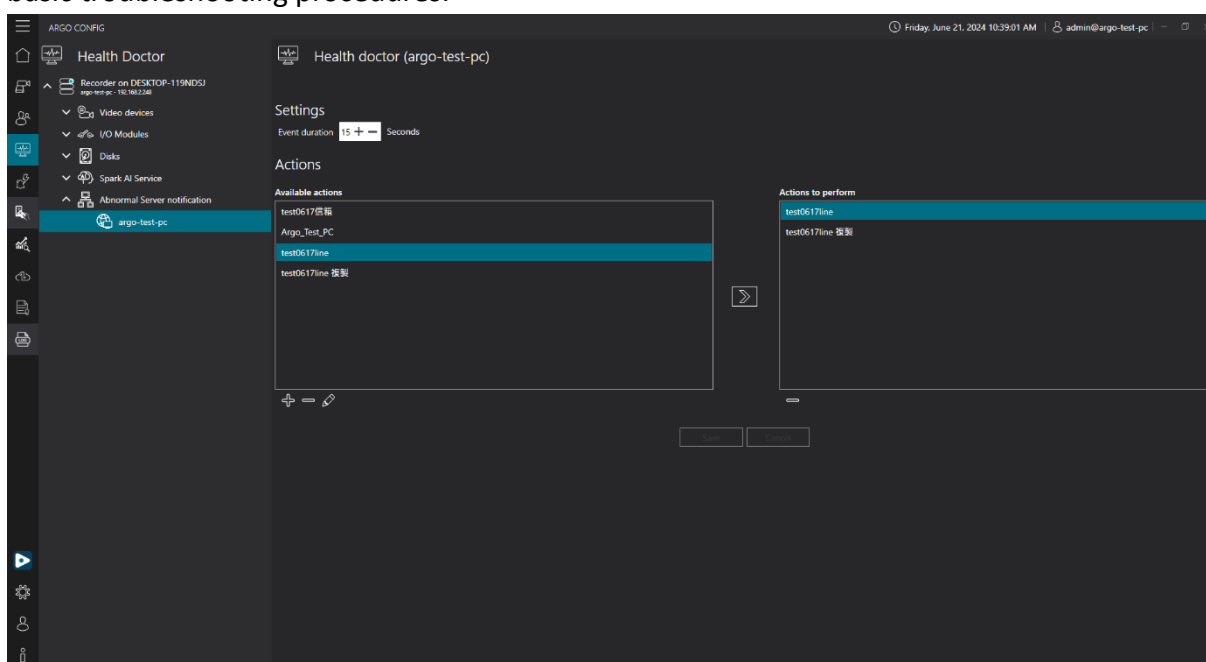


When backing up to a folder with different permissions, click the Use different account icon. A page will appear allowing you to enter the username and password that has access to that folder.

A screenshot of a login dialog box with a teal background. It features two input fields: 'Username' and 'Password'. Below the fields are two buttons: 'OK' and 'Cancel'.


2.8 System health check

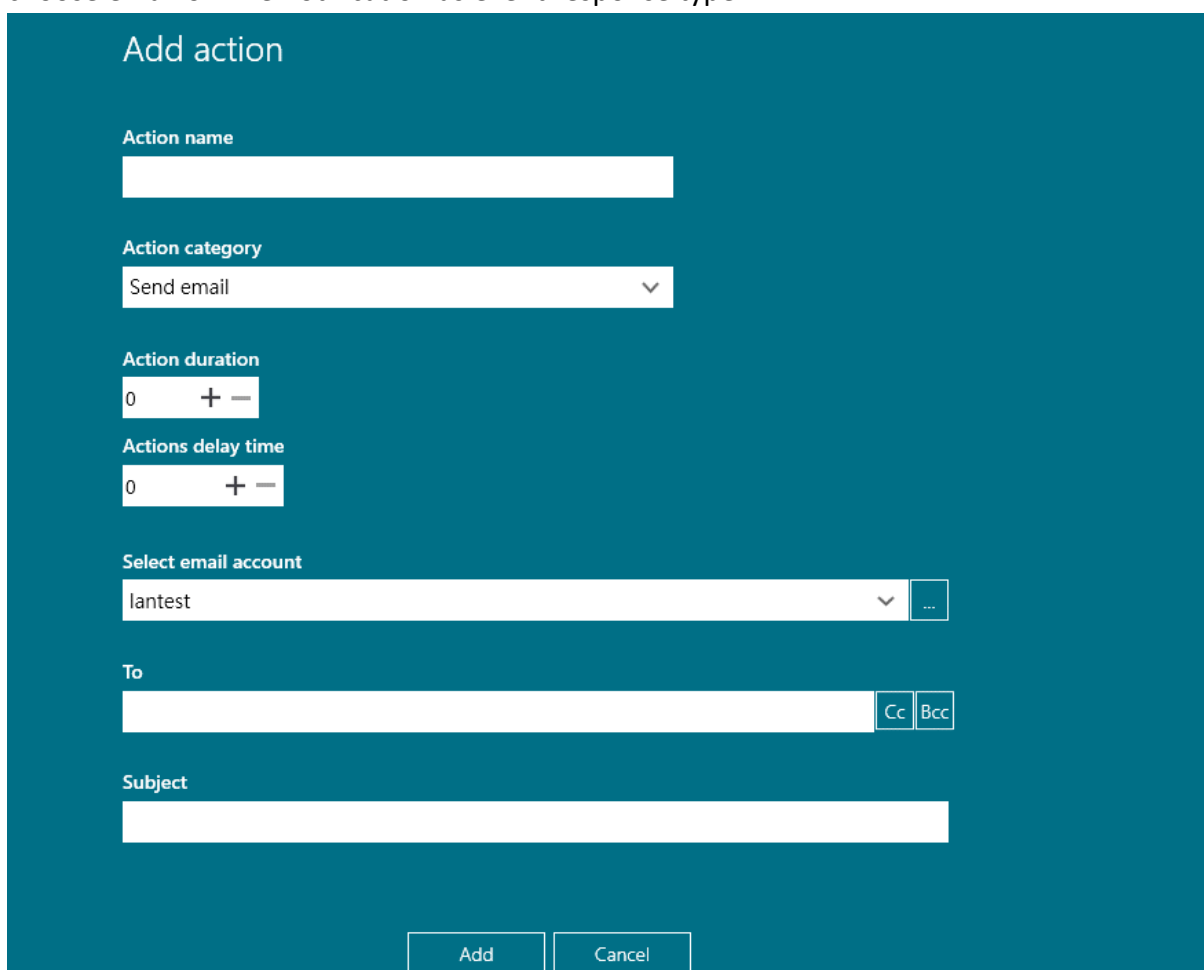
When an abnormal condition is detected, relevant personnel will be notified and provided with basic troubleshooting procedures.





2.8.1 Add event response

Select the equipment for which you want to add a response action and click  icon. Users can choose email or Line notification as event response type.



The screenshot shows a form titled "Add action" with the following fields and controls:

- Action name:** A text input field.
- Action category:** A dropdown menu currently set to "Send email".
- Action duration:** A numeric input field with a value of "0" and plus/minus buttons.
- Actions delay time:** A numeric input field with a value of "0" and plus/minus buttons.
- Select email account:** A dropdown menu showing "lantest" with a plus icon to the right.
- To:** A text input field with "Cc" and "Bcc" buttons to its right.
- Subject:** A text input field.
- Buttons:** "Add" and "Cancel" buttons at the bottom.

For email settings, please refer to Argo Config.

Line Notification: select Line notification in Event response type.

Token: copy and paste line notify token ,please refer to Argo config.

Line notification content: the content is preset and does not need to be changed.



Add action

Action name

Action category
Line notify ▼


Action duration
0 + -

Actions delay time
0 + -

Interval(second)
150 + -

Token

2.8.2 Response action

To apply action: select the desired trigger events for which you want to apply the response action, click  and save.


Actions


Available actions

mail


Actions to perform

mail



Delete response action: select the action you want to delete and click 



Edit response action: select the response action you want to edit, then click . The following screen will appear. After editing, choose Copy or click OK.

Edit action

Action name
test0617line

Action category
Line notify ▼

Action duration
0 + -

Actions delay time
0 + -

Interval(second)
10 + -

Token

Duplicate OK Cancel

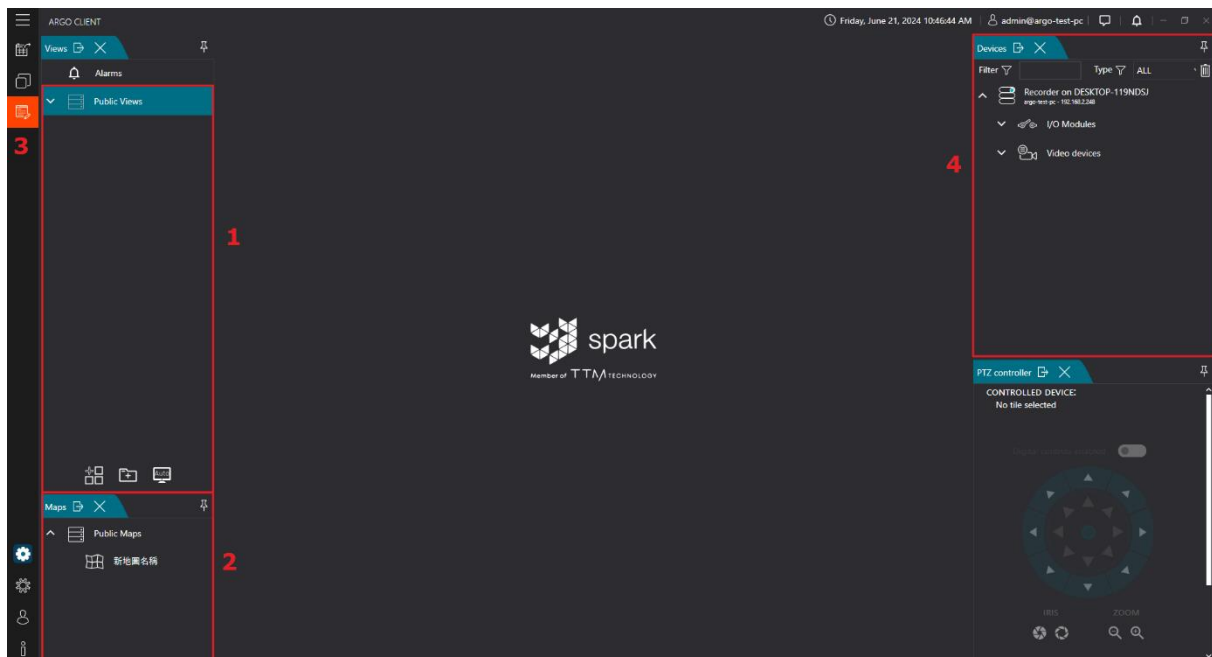


3. ARGO CLIENT

First time logging in to Argo Client will require to repeat Argo Config first log in procedure. See Argo Log In for more info.

Argo Client main page is divided in the following:



- (1) Views: screen layout list.
- (2) Maps: electronic map list.
- (3) Edit: click to activate edit mode to add, edit, delete views and maps.
- (4) Devices: device list.

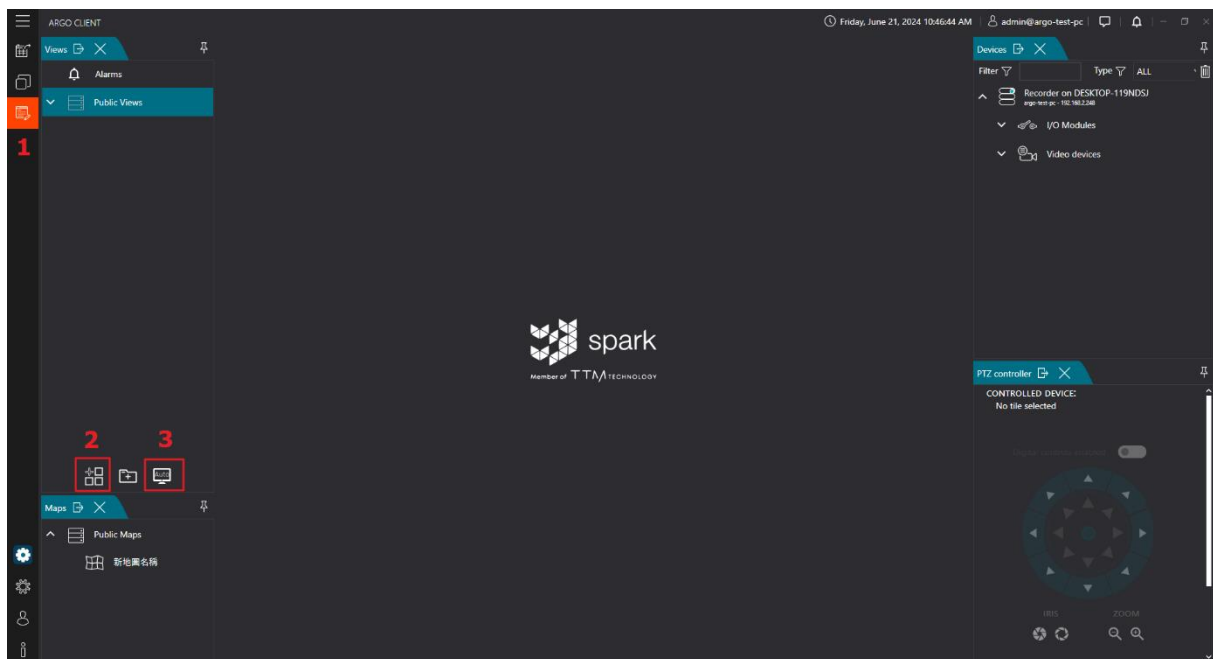





3.1 Views and maps

3.1.1 add view

To add a view, click on the edit icon  on the left panel and then click on the add icon .



After clicking , a new window will pop up allowing users to adjust the view layout.

New Quad

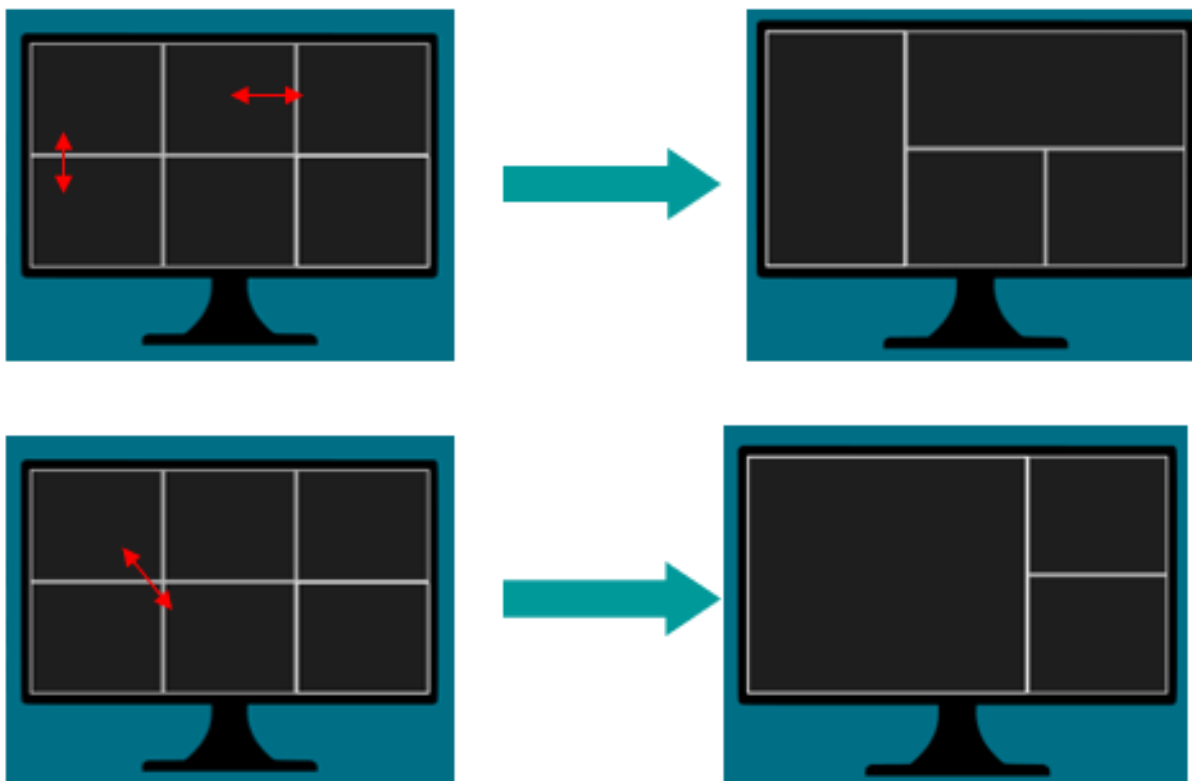
Quad Name

Rows + -

Columns + -

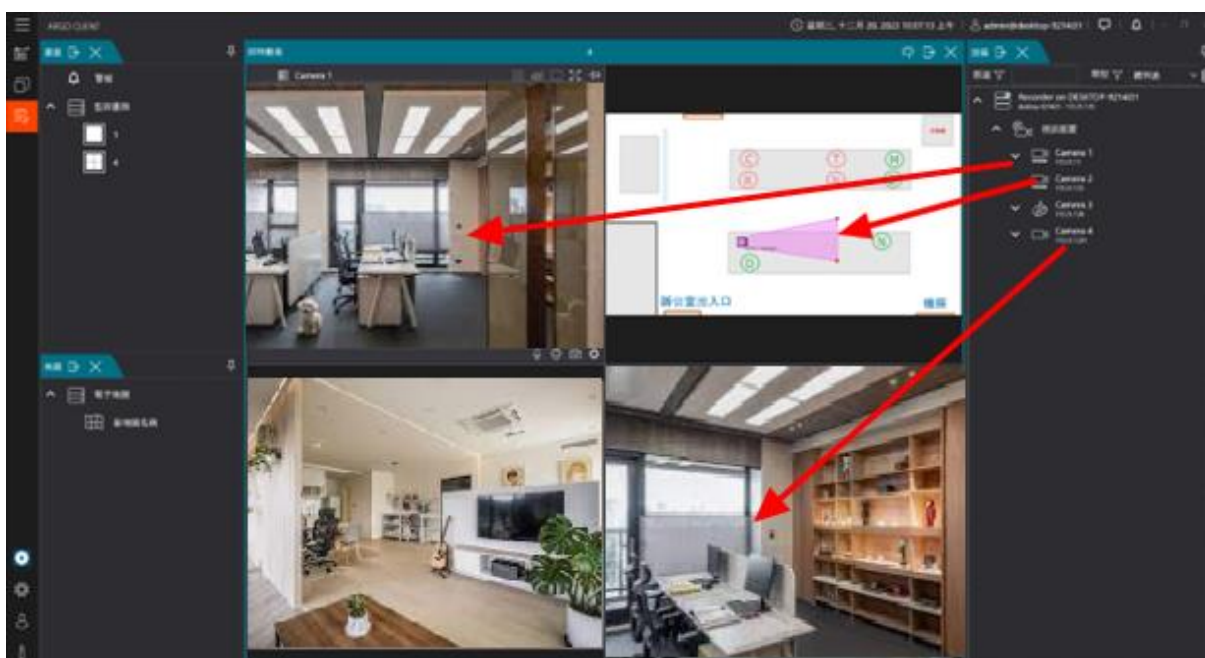


Users can manually insert the number of rows and columns and drag the square to merge.





Make sure to click on the save icon  to finish process.

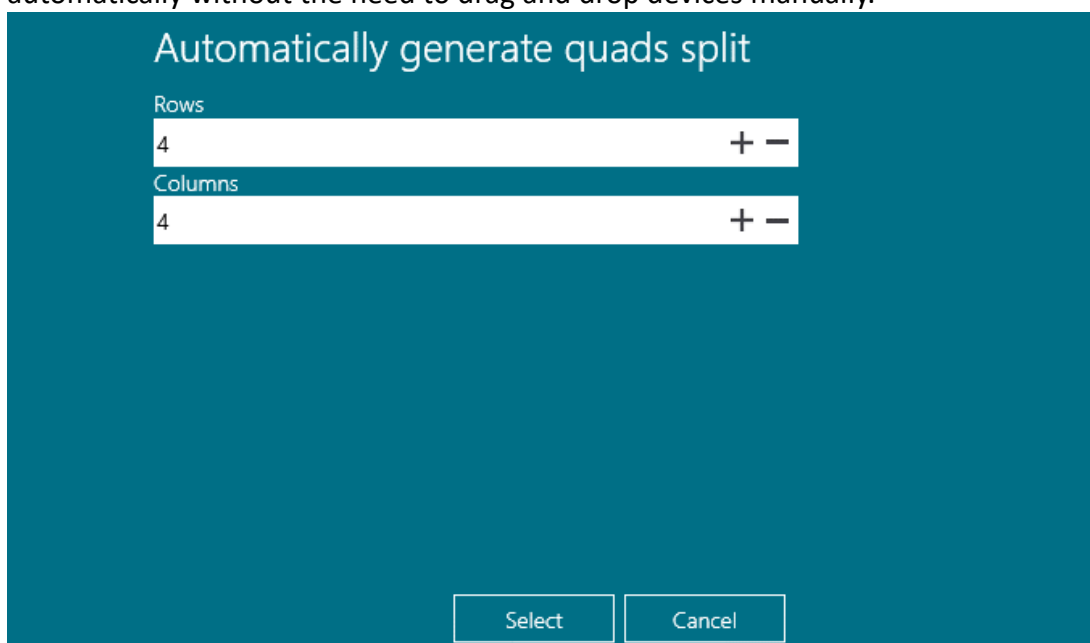
After completing views and maps configuration, select a view and start to drag and drop devices or maps into the live view section.









要自動產生 To split screen, click the edit icon on the left panel.  Then, click the add screen icon  .

After clicking the icon, a new window with a default 4x4 layout will pop up. You can adjust this layout as needed. Once you press select, the layout screen with all devices will be generated automatically without the need to drag and drop devices manually.





3.1.2 Edit / delete view

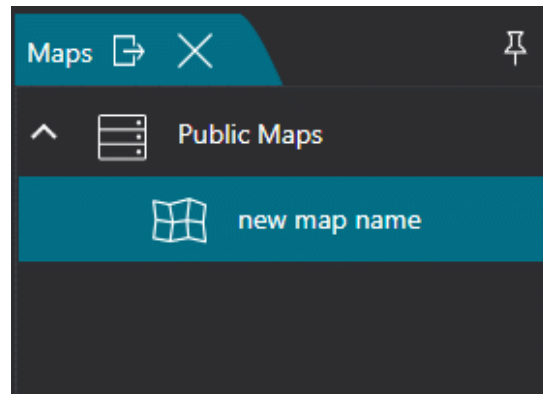
To edit view, click on the edit icon  on the left panel. Select the view and then click on the edit view icon  . Proceed to edit the view and click OK to finish the process.

To delete view, click on the edit icon  on the left panel. Select the view and then click on the delete view icon  .



3.1.3 Add map

To add map, click on the edit icon  on the left panel then click on the add map icon .



After clicking the add map icon, a new window will pop up. Insert the corresponding information and click the Add button.

New Map

Map Name
New Map Name

Map Image File Details

Image File Path (Min Size 800X600)
Browse...

Image File Format (JPG, BMP, PNG)
Unknown

Image Width
0

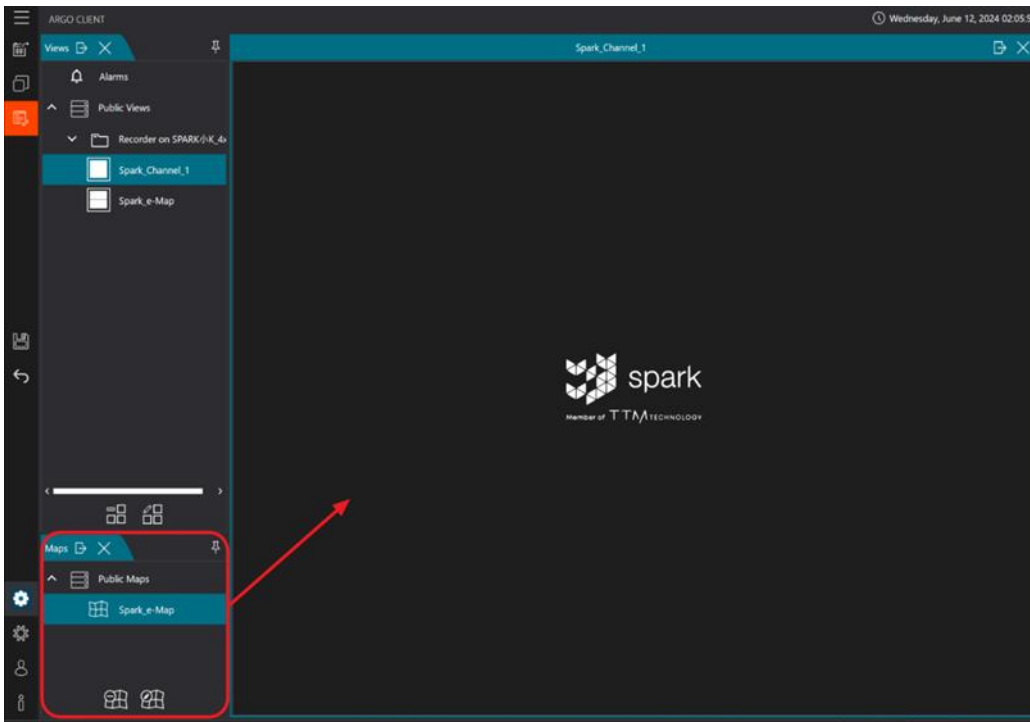
Image Height
0

Add Cancel

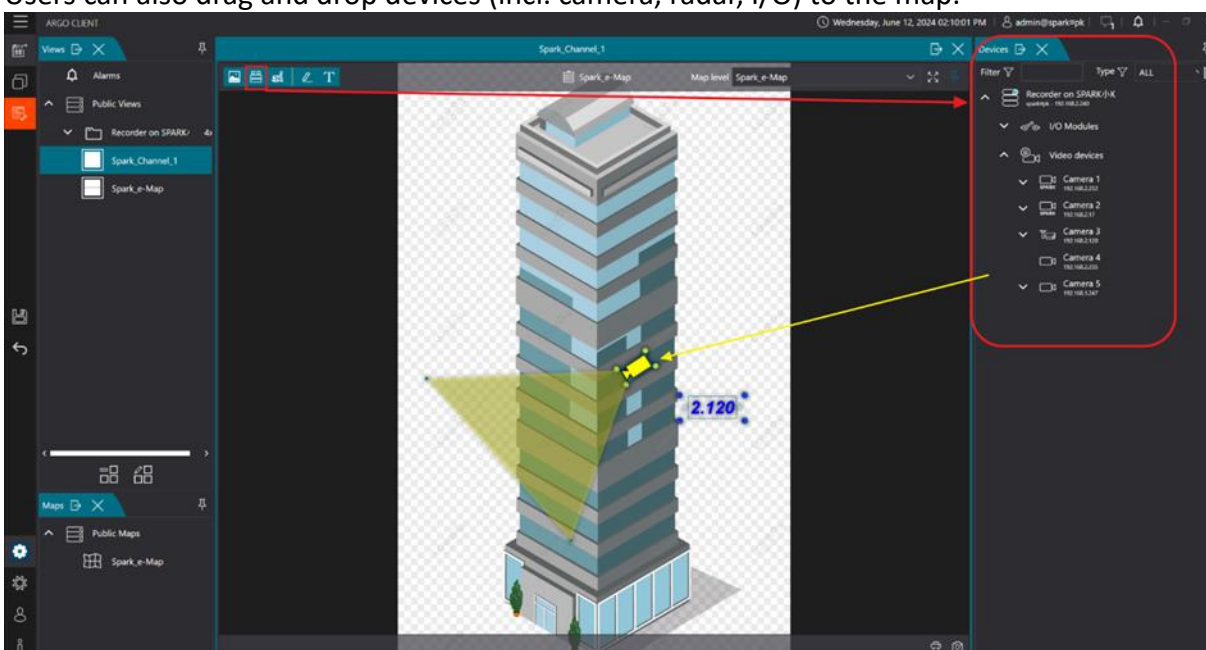
Make sure to click save icon  to finalize the process.



After completing views and maps configuration, select a view and start to drag and drop devices or maps into the live view section.








Users can also drag and drop devices (incl. camera, radar, I/O) to the map.







3.2 Edit/delete map

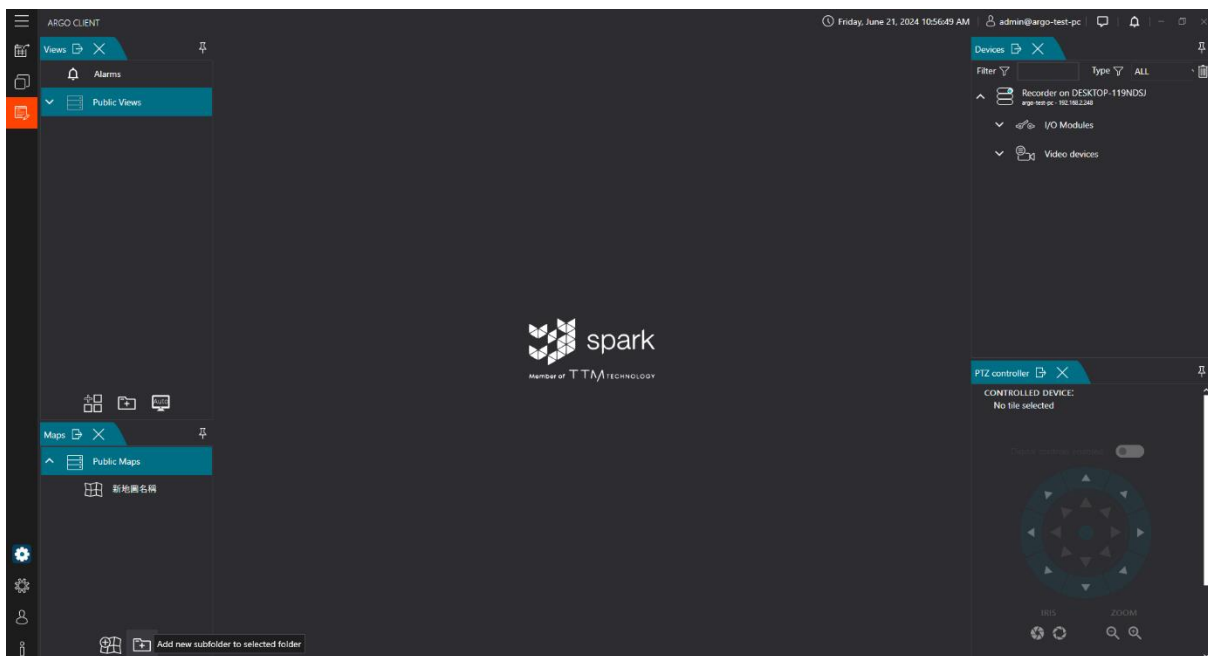
To edit map, click on the edit icon  on the left panel. Select the map and then click on the edit map icon . Proceed to edit the map and click the save icon  to finish the process.

To delete map, click on the edit icon  on the left panel. Select the map and then click on the delete map icon .

3.2.1 Add view/map folder




If the surveillance site is large, users can separate views and maps into folder, allowing easier surveillance management



To add folder, click on the edit icon  on the left panel then click on the add folder icon .





3.2.2 Edit/delete folder

To edit folder, click on the edit icon  on the left panel. Select the folder and then click on the edit folder icon . Proceed to edit and click the save icon  to finish process.

To delete folder, click on the edit icon  on the left panel. Select the folder and then click on the delete folder icon .

3.3 Live view


3.3.1 Live view mode

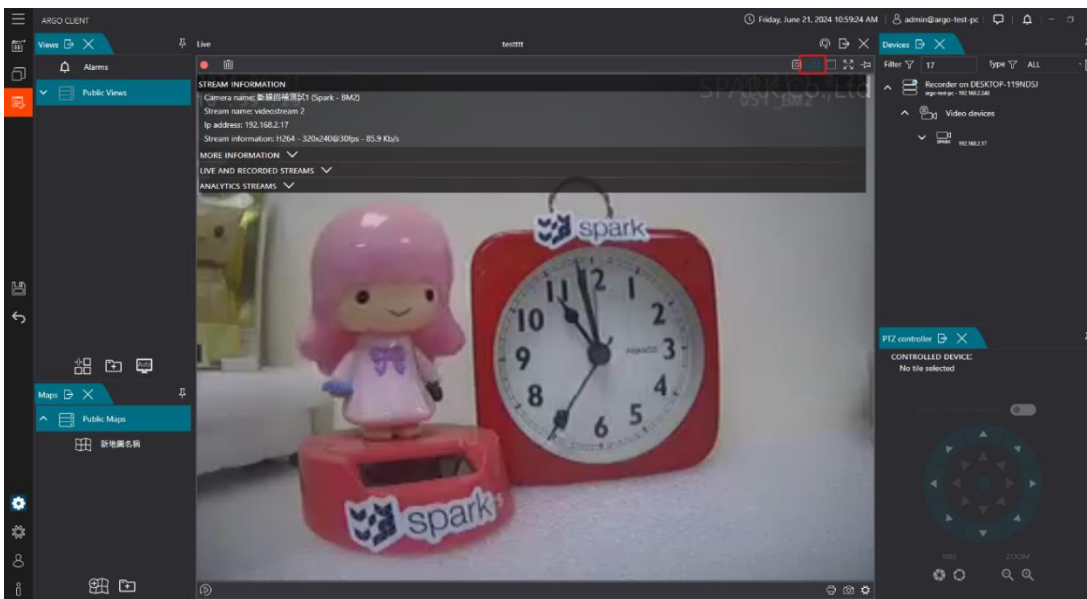
Default mode when entering a view is live view mode. In live view mode, users can see real-time images from the camera, stream information, save snapshots, manual recording and switch streams.






3.3.1.1 Stream

To view stream information, go to live view page and move the cursor over the desired image; a toolbar will appear, click on the  icon on the upper toolbar and stream information will be displayed.




3.3.1.2 Switch stream

To switch stream, go to live view page and move the cursor over the desired image; a toolbar will appear, click on the  icon on the lower toolbar to show the available streams. Click on the desired stream.








3.3.1.3 Snapshot

To save a snapshot, go to live view page and move the cursor over the desired image; a toolbar will appear, click on the  icon on the lower toolbar.


3.3.1.4 Manual recording

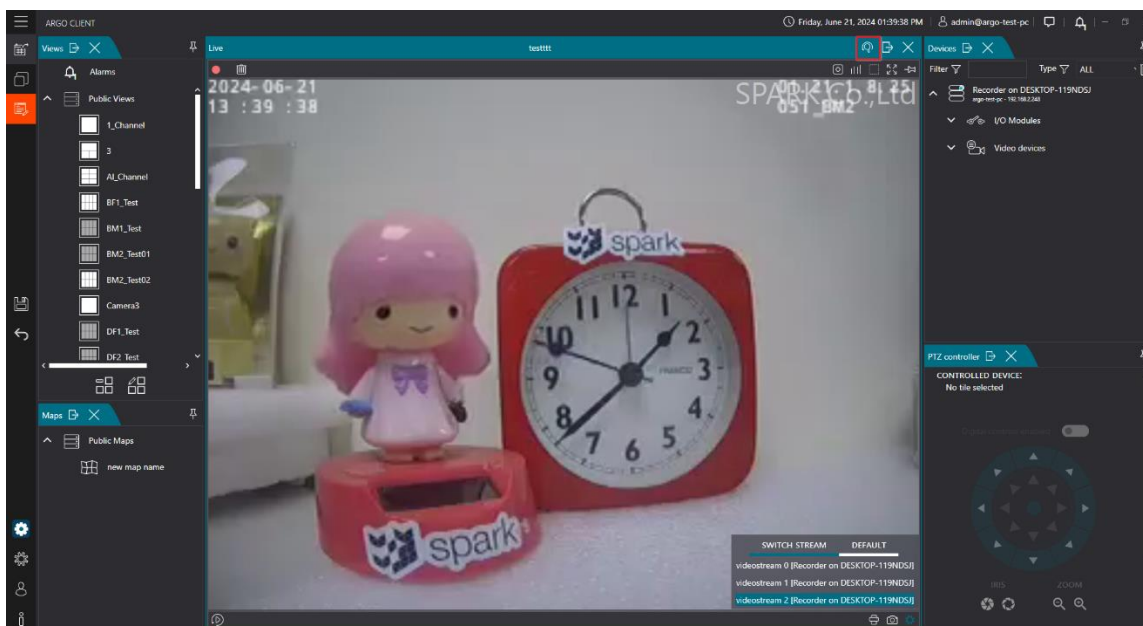
To manually record, go to live view page and move the cursor over the desired image; a toolbar will appear, click on the  icon on the upper toolbar. When recording is in progress, the icon will turn blue .

3.3.1.5 Instant playback

To view instant playback, go to live view page and move the cursor over the desired image; a toolbar will appear, click on the  icon on the lower toolbar.


3.3.2 Playback mode

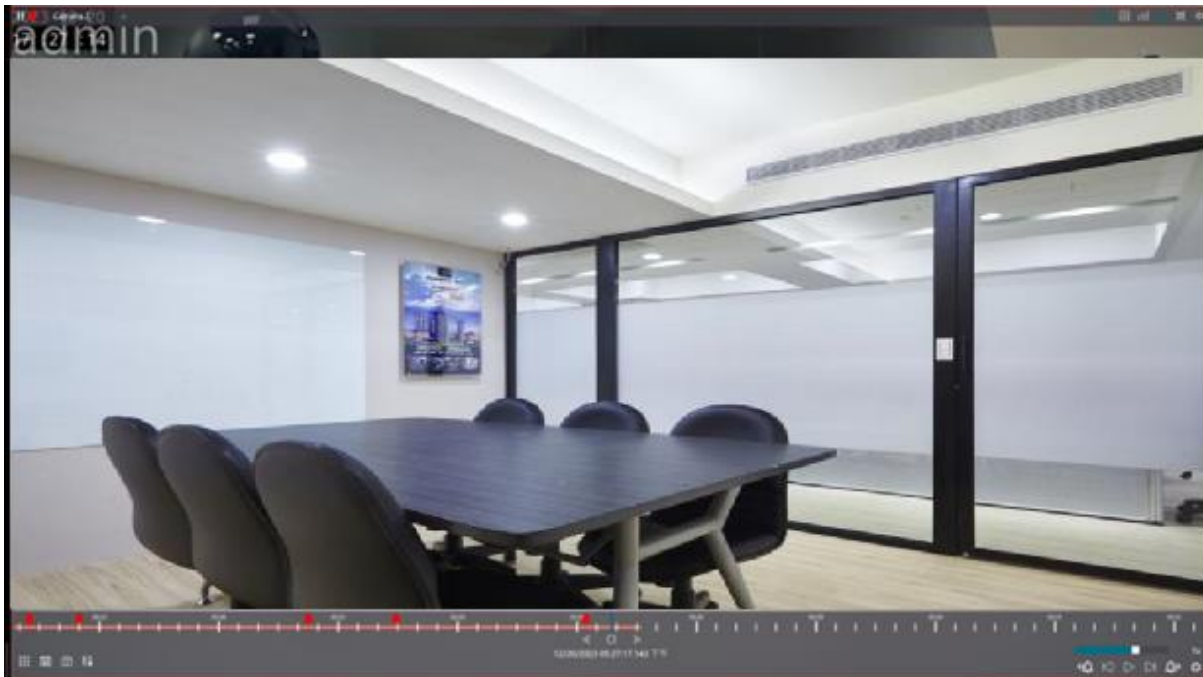
Click on the  icon to enter playback mode. In this mode, users can export playback clips, select playback time, adjust playback speed, see stream information, save snapshots and switch streams.





3.3.2.1 Export playback video


Export single video: in playback mode, double click on the desired image to enter full screen view. Click on the  icon in the lower left corner.



A blue box will appear on top of the timeline indicating the export range. Drag the box to the desired time slot and adjust the box width according to the length of the video you want to export. Scroll the mouse wheel to increase or decrease the time gap.





After selecting the time range, click  icon to download, a new window will pop-up. Configure the corresponding settings then press start to start export.

Video export options

(Camera 2 [192.168.2.17])

Directory where streams will be saved

Export name

Choose Export Format

Spark Format

Enable text overlay


Disabled

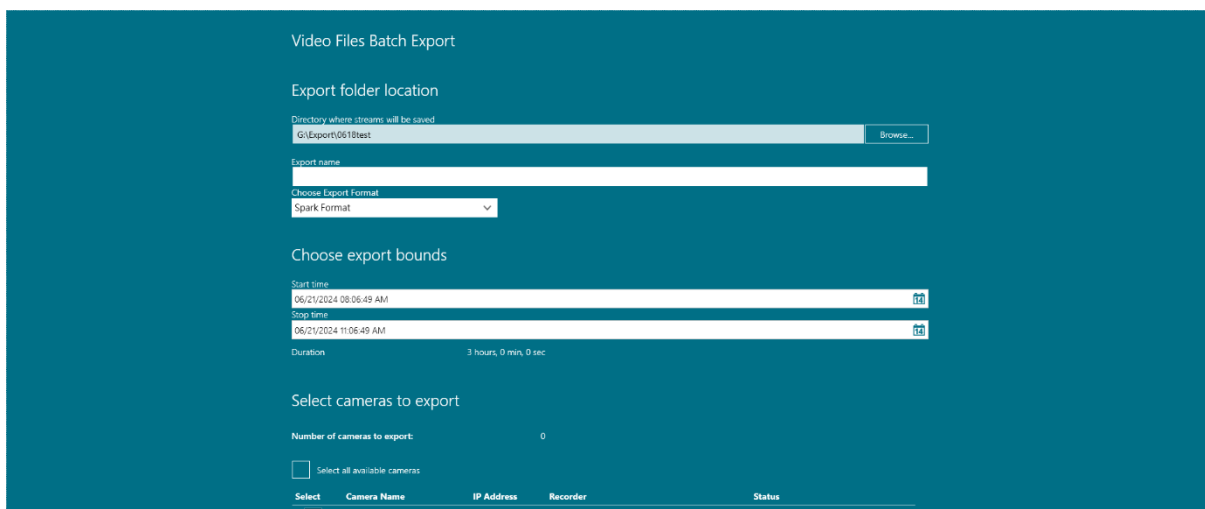
Details

Start time	06/12/2024 11:37:20 AM
Stop time	06/12/2024 11:38:01 AM
Duration	41 sec

Streams to export	Status
videostream 0	Recordings available
videostream 2	No recordings




Export multiple video: in playback mode click on the  icon in the lower left corner. A new window will pop-up. Configure the corresponding settings then press start to start export.

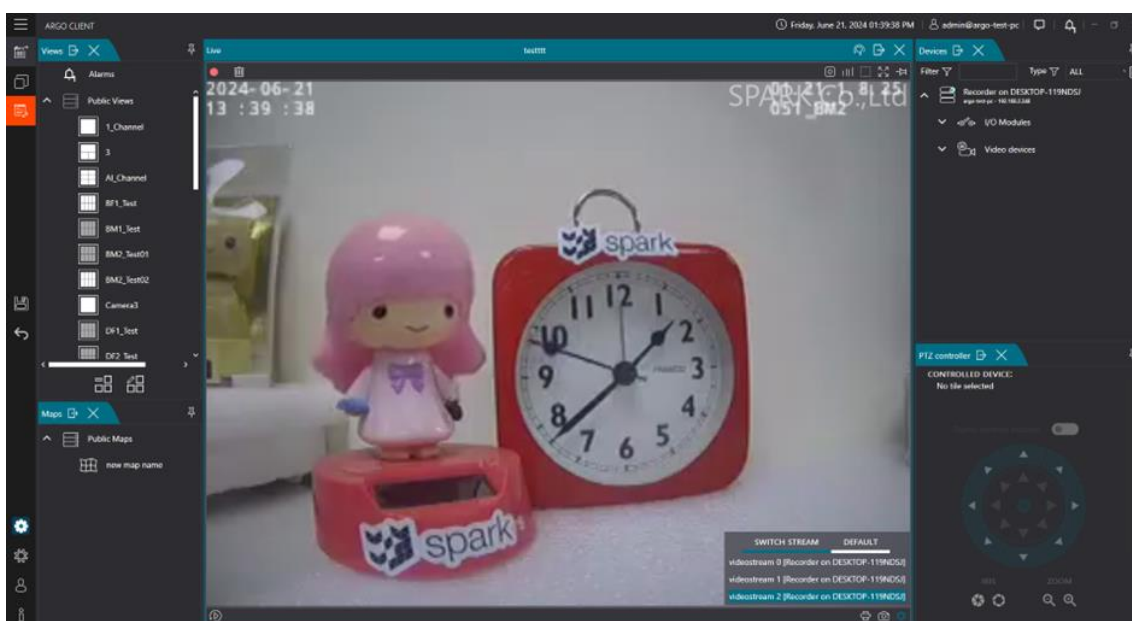


Note 1: The exported file names include the year, month, day, hour (+8), minute, second, and stream name, and are saved in Spark, MP4, MOV, MKV, or AVI formats.

Note 2: Only exported files in Spark format can be viewed in split mode.


3.3.2.2 Switch stream

On the live view page, move the cursor over the desired image; a toolbar will appear, click on the  icon on the lower right corner and all available streams will be displayed. Select the stream the desired stream to switch.





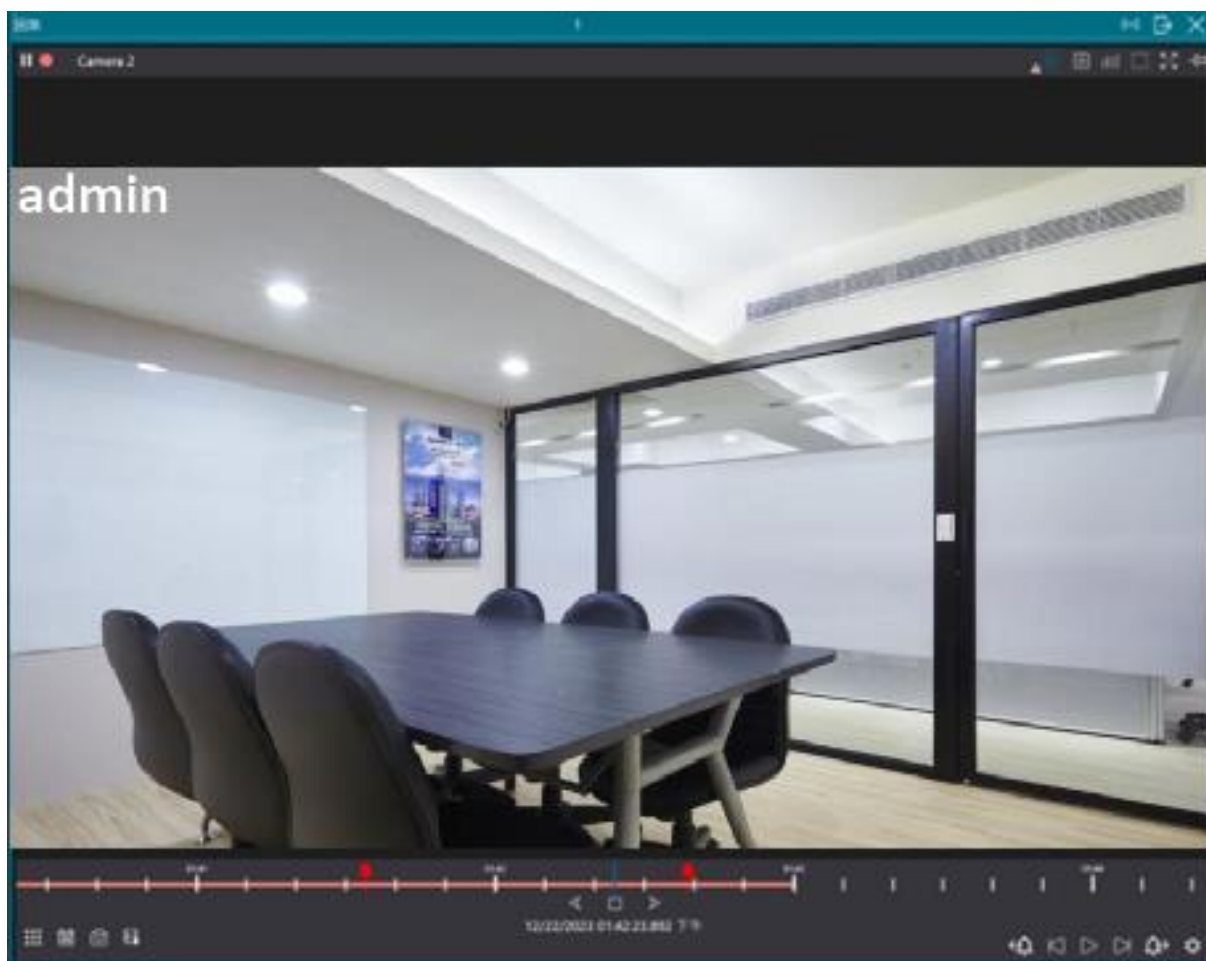


3.3.2.3 Snapshot

On the live view page, move the cursor over the desired image; a toolbar will appear, click on the  icon on the lower right corner to make a snapshot.

3.3.2.4 Alarm search

On playback mode, the   icons represent the alarms archived. Click on the icon to quickly find the previous or next alarm.



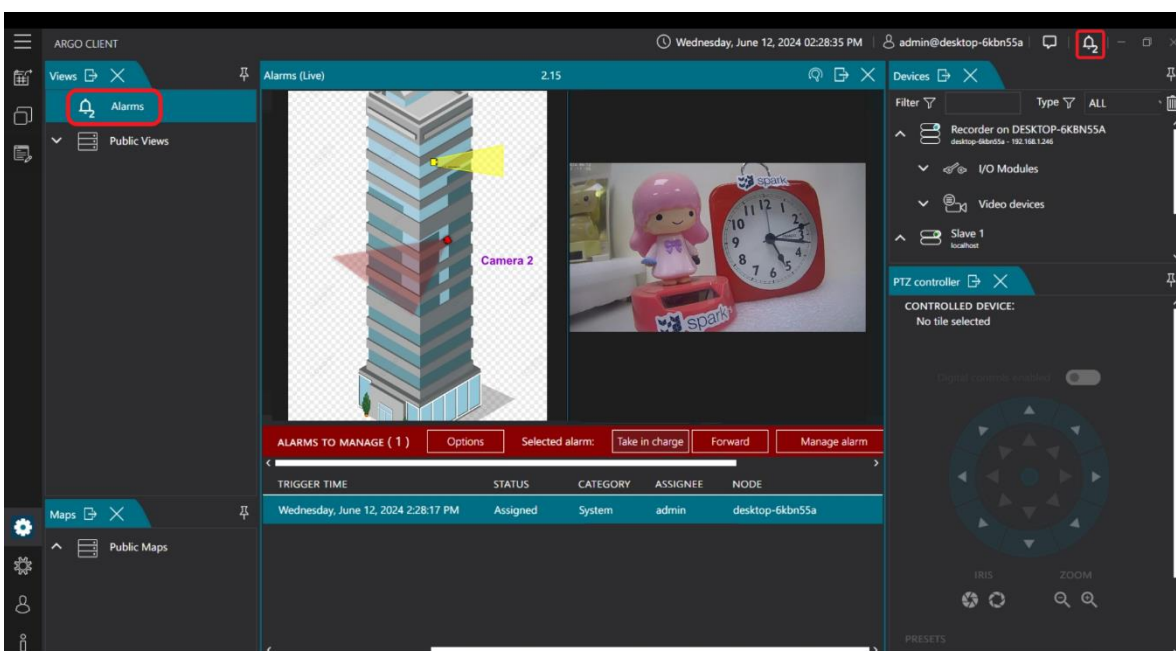


3.4 Alarm

When the alarm is triggered, the device connected to the alarm on the e-map will turn red, prompting an alarm on the screen.

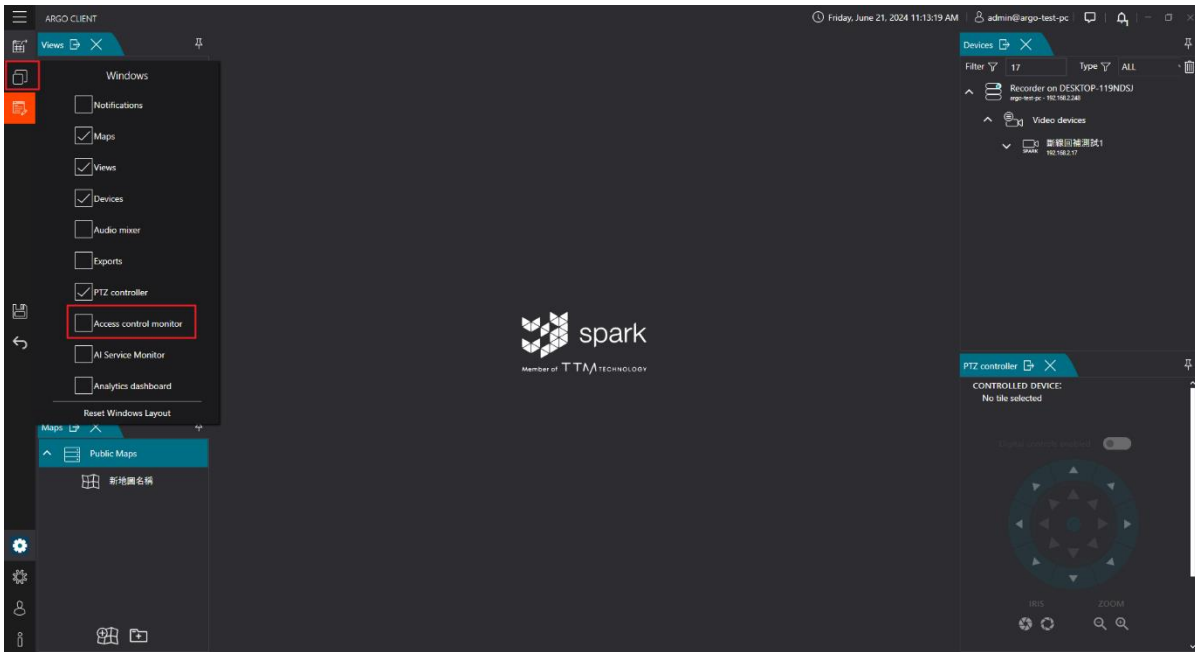


Click on the alarm to enter alarm management.

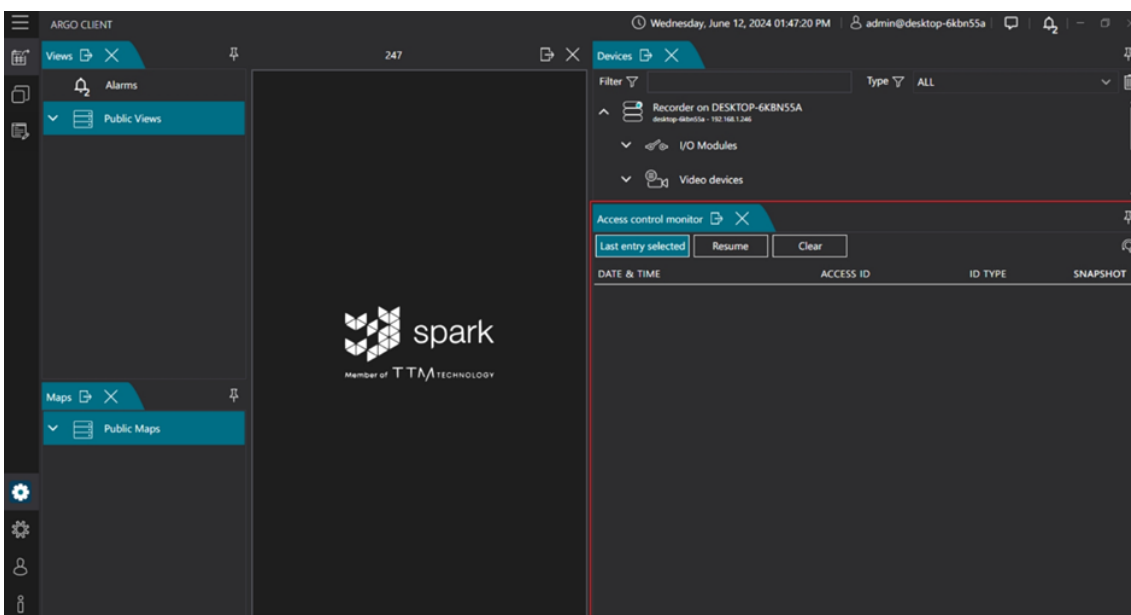


3.5 Access control

This feature requires an additional license key. After activating the license key, go to Argo Client and click on Windows and select Access control monitor.

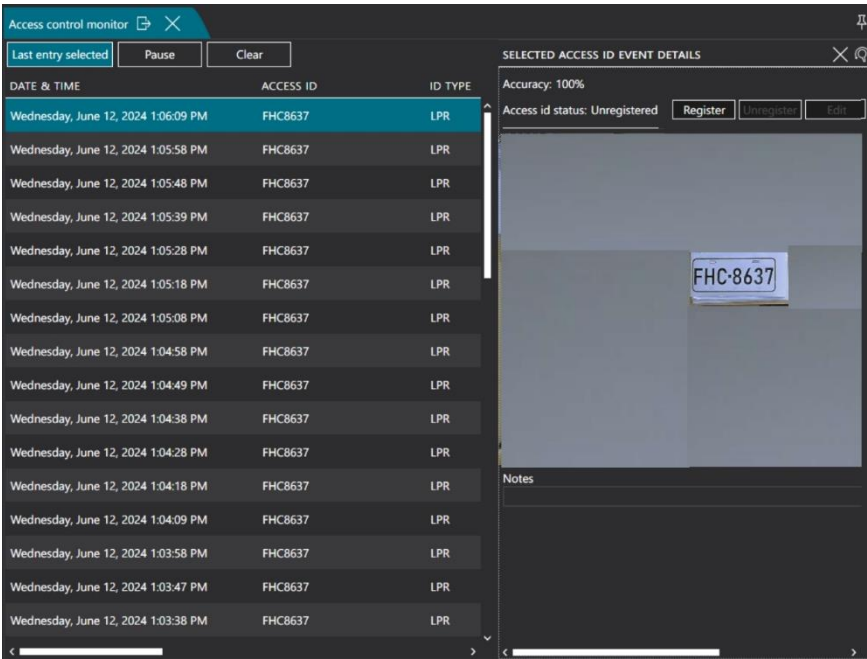


Real-time access records will be displayed on the right corner.



3.5.1 Access record page

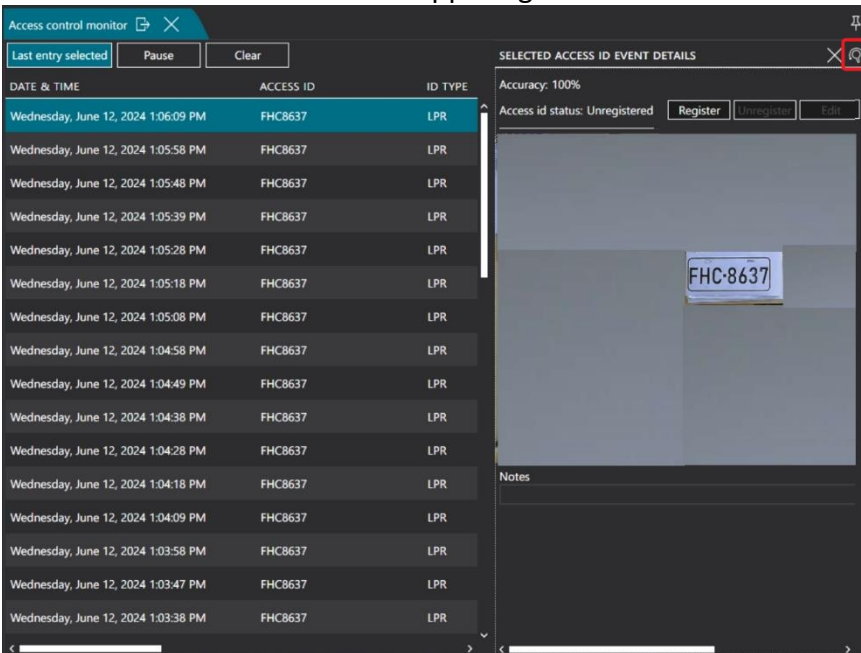
Real-time mode: view access records in real-time.



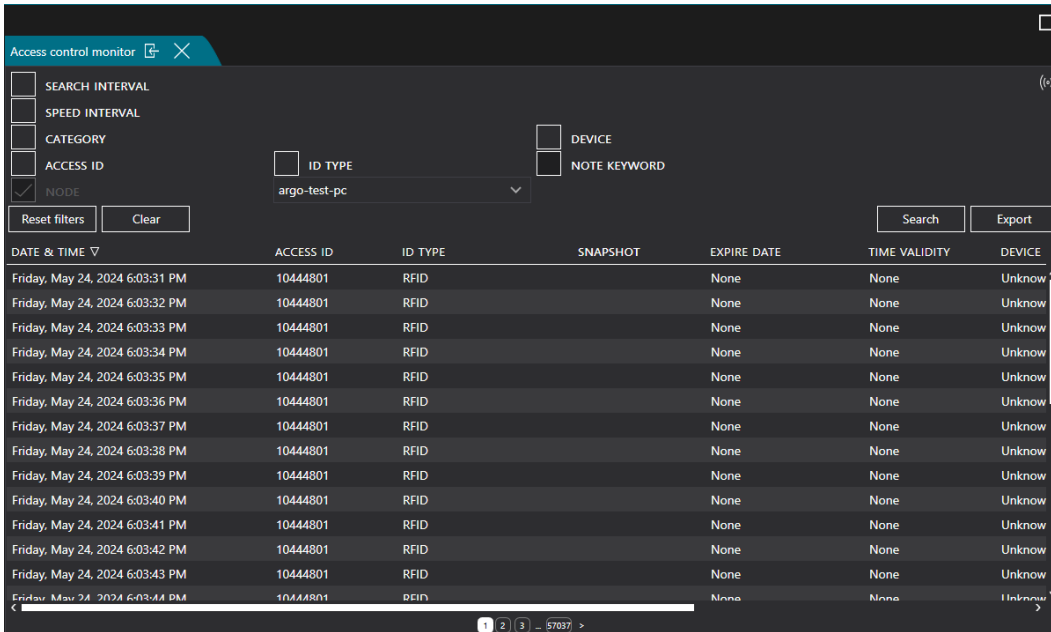
Button	Description
Last entry selected	Automatically update to the latest access record.
Pause	Temporarily stop updating records
Clear	Clear access records on live view mode (records will remain in backlog).

3.5.2 Search access record

Click on the archive icon on the upper right corner to enter access record search.



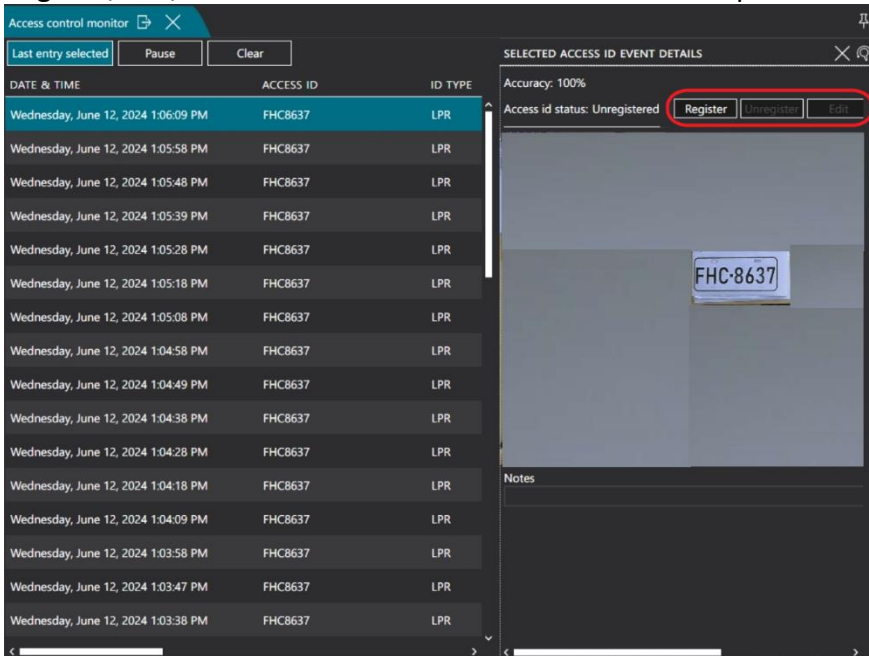
On the search page, users can filter search criteria.




Filter	Description
Search interval	Filter by accessed time.
Speed range	Filter by speed range of the access ID.
Category	Filter by list category of the vehicle accessed.
Device	Filter by device that recorded the access.
Access ID	Filter by ID of the accessed vehicle.
ID type	Filter by ID type (UHF RFID / LPR) of the accessed vehicle.
Note keyword	Filter by keyword on the note column.
Node	Filter by the node where the device that recorded the accessed ID is located.

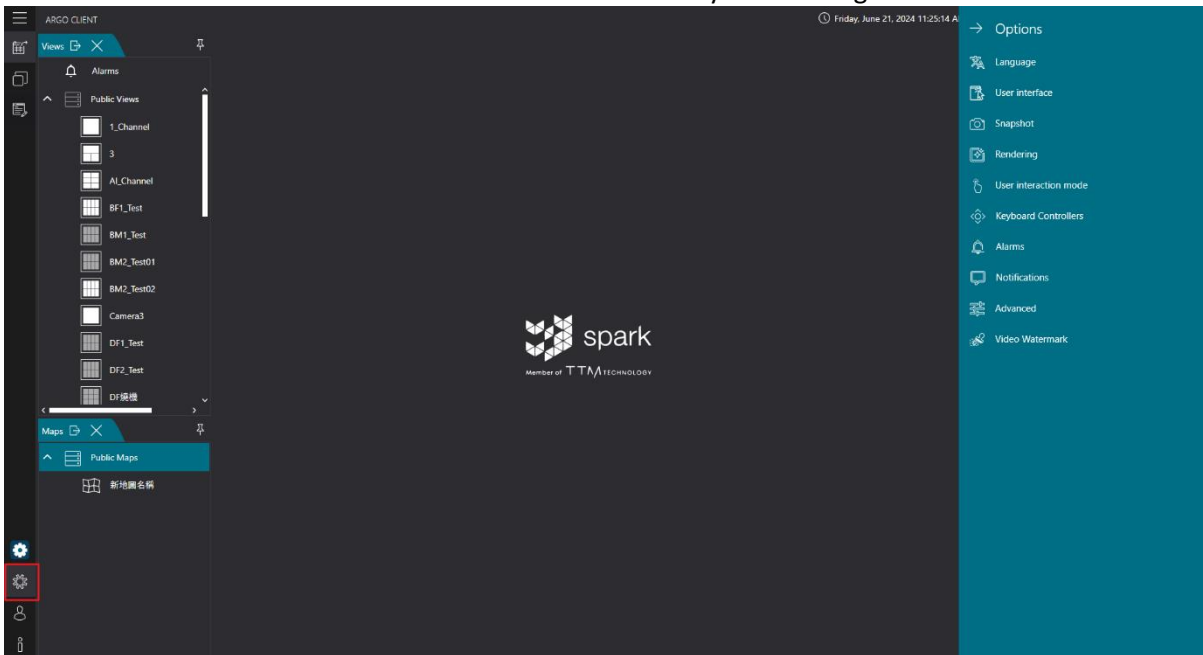
3.5.3 Add/edit/delete ID

To add/edit/delete an ID with real-time access record, select the ID and then click on Register/Edit/Delete button at the bottom left corner to perform corresponding action.



3.6 Options

Click on the  icon on the lower left corner to access system settings.



Functions	Description
Language	Configure system language.
User interface	Configure destination connection (quick login) settings, playback settings, etc.
Snapshot	Configure snapshot settings, incl. snapshot format, save location, etc.
Rendering	Configure aspect ratio and video related settings.
User interaction mode	Enable touch screen feature. Only available if the monitor supports touch screen.
Keyboard controllers	Configure joystick settings.
Alarms	Configure alarm related settings.
Notifications	Configure notification settings.
Advanced	Configure live streaming and logout/close settings.
Watermark	Configure watermark and related settings.



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