

Argo Client User Manual V1.2



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Installation and system requirements

1. Argo software is divided into three modules: Argo Client, Argo Config and Argo Recorder. The following content will provide a basic introduction to these three applications:

1.1 Argo Client and Argo Config

Argo Client installation file contains two modules: Argo Client and Argo Config.

- Argo Client: for monitoring real-time images, e-maps, playback, export images, etc.
- Argo Config: for managing users and connected devices, set events, etc.

1.2 Argo Recorder

Use setup_Spark_Argo_Recorder.exe installation file to install Argo Recorder. Argo Recorder will start automatically when the Windows system starts. Note that Argo Config and Argo Client applications can only be used once Argo Recorder is active. Argo Recorder acts as the recording server.

To avoid hardware overload, it is recommended to use different servers. Install Argo Recorder on one server for recording purposes, and install Argo Client and Argo Config on another server to act as the main server for real-time viewing and configuration.

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: Allocate 90 CPU marks per camera. You can search for suitable CPU specifications on the following website (<u>https://www.cpubenchmark.net/high_end_cpus.html</u>)

e.g.: If you need 50 cameras, the required CPU score would be 90 multiplied by 50, resulting in a total of 4500. After calculating the total score, you can visit the above website to find an appropriate CPU. Additionally, we recommend adding a buffer of 1800 points to ensure the system operates perfectly.

- 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.
- 2. System Requirement
- Spark Client + Config minimum system requirements
 CPU: Intel Core i5 @ 2.7GHz RAM 4GB



Disk space: 500 MB free disk space Graphics Card: 1GHz, 1GB RAM Screen Resolution: 1920x1080 Network Card Gigabit Ethernet Operating System: Windows 8.1(64-bit); Windows 10(64-bit); Windows 11 (64-bit)

- Spark Player minimum system requirements
 CPU: Intel Core i5 @ 2.7GHz RAM 4GB
 Graphics Card: 1GHz, 1GB RAM Screen Resolution: 1024x768
 Operating System: Windows 8.1(32-bit or 64-bit); Windows 10(32-bit or 64-bit);
 Windows 11(32-bit or 64-bit)
- Spark Recorder minimum system requirements
 CPU: Intel Core i5 @ 2.7GHz RAM 8GB
 Network Card: Gigabit Ethernet
 Operating System: Windows Server 2012 R2; Windows Server 2016; Windows
 7SP1(64bit); Windows 8(64-bit); Windows 8.1(64-bit); Windows 10 (64-bit); Windows
 Server 2019; Windows Server 2022; Windows 11(64-bit)



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0. START

0.1 Log in

Step 1. Double click Argo client to open login window

Argo Client		Argo 2024.1.2	client
	Host		
	Туре	Spark Argo Recorder	~
	Certificate		
spark	Username		
Member of TTM TECHNOLOGY	Password		
			Connect

Step 2. Select language.

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				Circ	IT Italiano
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	spark 🕈			L	
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		Password			
				Connect	
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- Click **[Options]** at the bottom left and then click **[Language]**.
- After selecting the language, click **[Save]** to save the settings.

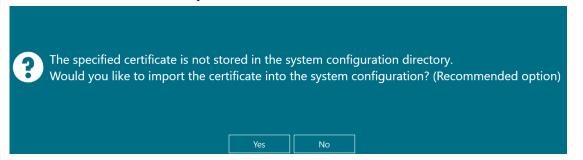


Step 3. Log in Argo client

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		inost		
		Туре	Spark Argo Recorder	~
	No preview available	Certificate		
		Username		
		Password		
	FICATE files (*.certificate ~		Conn	ect

- Server: Insert Spark Recorder server' s IP address or insert default IP 127.0.0.1
- Type: Spark Argo Recorder (default)
- Certificate: Click [...] to automatically navigate to the default authentication folder and select the file.
- Username: admin (default)
- Password: admin (default)
- Click [Connect]

Step 4. On first login, you will be asked if you want to import the certificate. Click Yes to save the certificate in the system.



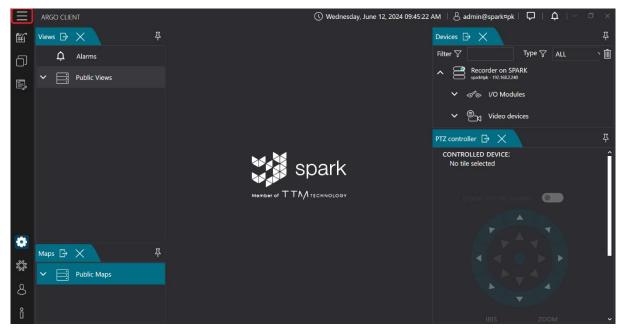


Step 5. After logging in, the system will ask to change the password. The new password must contain at least one special character, one upper case letter, one lower case letter and a minimum length of 8 characters.

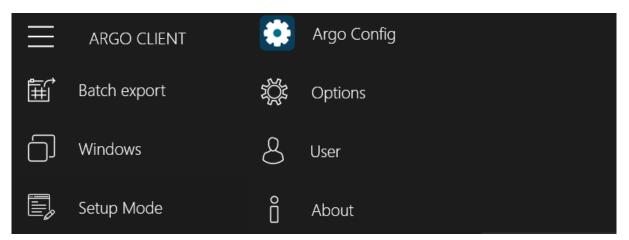
i Change User Password						
Username	admin					
Old password	••••					
New password	•••••					
Confirm password	•••••					
Change	password Cancel					



0.2 Argo Client interface



Click the $[\Xi]$ icon at the top left to browse the icon text



- Menu: Batch export / windows / Setup mode / Argo Config / options / user / about



1. VIEWS

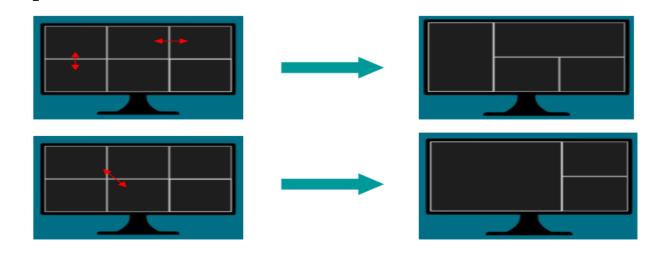
1.1 Add view

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	Maps										
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	Analytics dashboard										
	Reset Windows Layout								•		
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- Click the [window icon] then select [views]
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click [+] below the view list to add a new view.
- Name: insert name of the view.
- Row/Columns: add rows and columns as needed.

Rows and columns range: from 1 to 10 rows/columns.

- The layout can be freely adjusted by dragging the window dividers, as shown in the example below.





1.2 Automatic generate quads split

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ő		Autornatically generate qua						

- Function: create a folder containing the specified rows and columns screen layout, and automatically add devices to the screens.
- Click the [window icon] then select [views]
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click [Auto] below the view list.
- Row/Columns: add rows and columns as needed.
 Rows and columns range: from 1 to 10 rows/columns.

1.3 Edit/delete view

1. Edit view

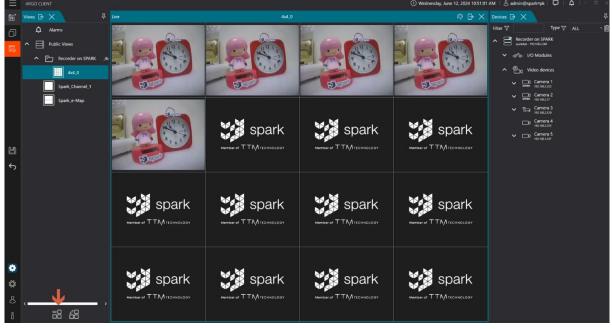
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- Click the [window icon] then select [views]



- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click the [pencil icon] below the view list.

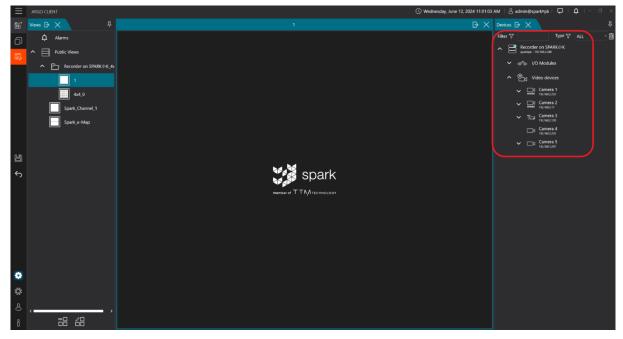
2. Delete view



- Click the [window icon] then select [views]
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click the [-] below the view list.

1.4 Add/delete device on views

1. Add device to the view





- Click the [window icon] then select [views]
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Drag the camera you want to add from the device window into the view.



2. Delete device to the view

- Click the [window icon] then select [views]
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Hover the mouse over the camera you want to delete and click on the [Trash can icon] to delete the camera.

Note: double click on the image to maximize window and edit view.



2. LIVE VIEW

2.1 Live view mode



- Click the **[window icon]** then select **[views]**. The default settings in live view mode.
- Hover the mouse over the camera in live view mode that you want to edit, or doubleclick to view and edit.





2.2 Playback



- Click the **[window icon]** then select **[views]**. The default settings in live view mode.
- Click the **[go to archive]** to enter playback mode.
- Hover the mouse over the camera in playback mode that you want to edit, or doubleclick to view and edit.





3. BATCH EXPORT OF VIDEO FILES

3.1 Batch Export - Batch Export of Video Files

- Function: Export video files in a single screen format

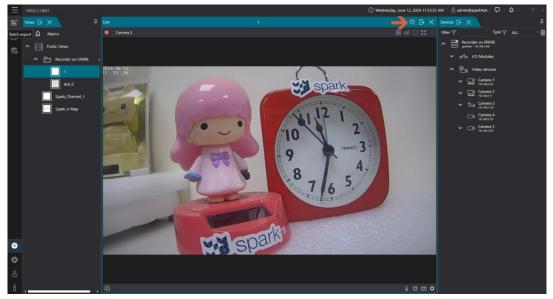
≡	ARGO CLIENT Views 🗙 무	Video Files Batch Export		^{16:06}
ð E,	Alarms Public Views Recorder on SPARK. 5	Export folder location Directory where streams will be saved	Browse	平
	1 4x4.0 Spark_Channel_1 Spark_e-Map	Export name Choose Export Format Spark Format		
♪ [[Choose export bounds Start time 6x72/2024.08:28:51 AM Stop time 6x72/2024.11:28:51 AM	13 14	
		Duration 3 hours, 0 min, 0 sec Select cameras to export	<u></u>	
٠		Number of cameras to export: 0 Select all available cameras Select Camera Name Select Camera Name IP Address Recorder Status		

- Click [Batch export]
- Export folder location: select the folder where the video files will be exported.
 Save directory: click [Browse] to select the folder for exporting video files.
 Export name: insert the name for the exported file.
 Export format: select from Spark format/MP4/MOV/MKV/AVI.
- Select export start and end time:
 Start time: click the [Calendar Icon] to choose the date and time.
 End time: click the [Calendar Icon] to choose the date and time.
- Select cameras to export: select the cameras video files you want to export.
- Click **[start]** to begin export

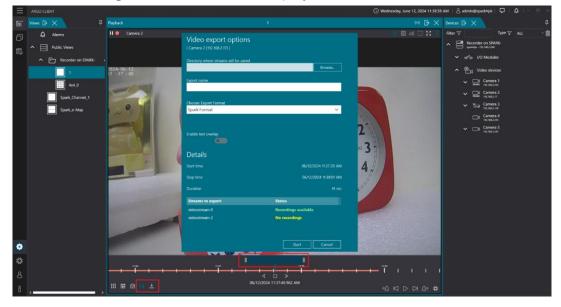


3.2 Playback mode -Batch Export of Video Files

 Export video files from the current view, with multiple screens exported as a single screen format.



- Click the **[window icon]** then select **[views]**. The default settings in live view mode.
- Click the [go to archive] to enter playback mode.

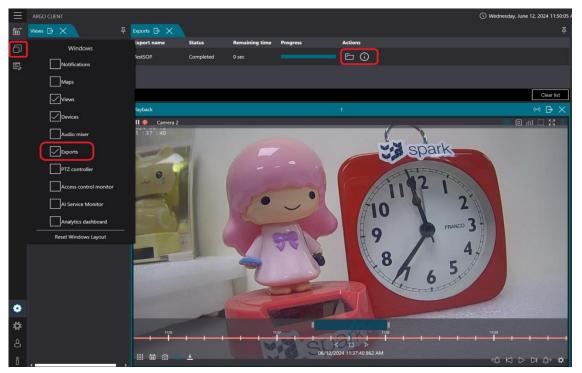


- Click [Enable Video Export] and select the segment to export, then click [Download].
- Video Export Settings:
 - Save directory: click [Browse] to select the folder for exporting video files.
 - Export name: insert the name for the exported file.
 - Export format: select from Spark format/MP4/MOV/MKV/AVI.
 - Enable text overlay



4. EXPORTED FILES

4.1 View exported file status and records



- Click the **[window icon]** then select **[exported files]**. The window will display the status of the exported files.

- Response action

\oslash	Cancel export
	Open destination folder
(i)	View export details

4.2 Delete exported file records

Exports 🕞 🗙						
Export name	Status	Remaining time	Progress	Actions		
test	Completed	0 sec		Ē ()		
				c	lear list	

- Click the **[window icon]** then select **[exported files]**.
- Click **[clear list]** to delete the record of exported files.



5. NOTIFICATION

5.1 View export notifications



- Click the **[window icon]** then select **[notifications]**.
- Browse notifications for completed or failed status of video export processes.

Ŵ	Delete notifications
Ð	View export details



6. MAPS

6.1 Add/Edit/Delete Maps

1. Add Maps

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	Maps		New Map
	Views		Map Name New Map Name
	Devices		
	Audio mixer		Map Image File Details
			Image File Path (Min Size 800X600) Browse
			Image File Format (JPG, BMP, PNG)
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	Access control monitor		Image Width
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	Analytics dashboard		0
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		Ő	3 E Add new map to selected folder

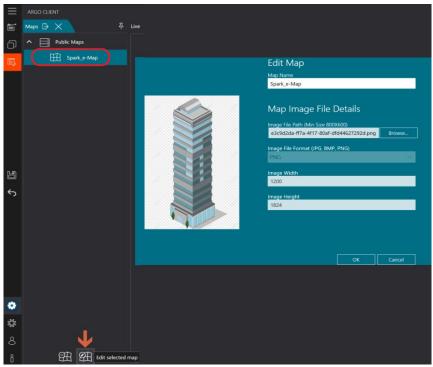
- Click the [window icon] then select [Maps].
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click on [Maps icon] and then click [+]
- New Maps
 - Maps name: insert name for the Maps
- Image information

Image path: click on the right to browse and upload the digital map image file.

Image format: After uploading the digital map image file, the system will automatically display the format, width, and length of the image file, eliminating the need for manual input.

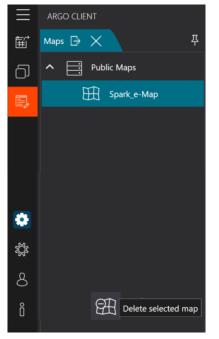


2. Edit Maps



- Click the [window icon] then select [Maps].
- Click the [Setup Mode]. The icon turns orange in edit mode.
- Select the Maps you want to edit and click the [Edit selected map]

3. Delete Maps



- Click the **[window icon]** then select **[Maps]**.
- Click the [Setup Mode]. The icon turns orange in edit mode.
- Select the Maps you want to edit and click the [-] Delete selected map



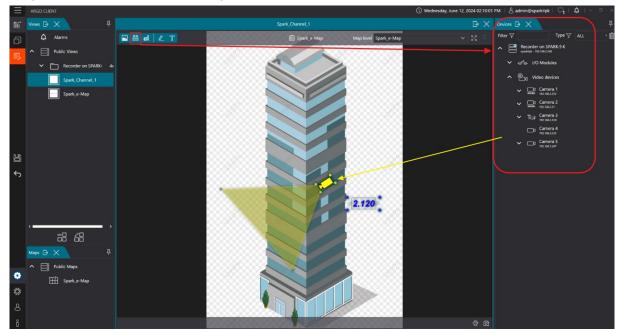
6.2 Add/Edit/Delete Maps from views

1. Add Maps to view

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	Spark_Channel_1		
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	Maps 🗗 🗙 📮		
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- Click the [window icon] then select [Views and Maps].
- Drag the desired email to the quad view.
- 2. Edit Maps to view

Step 1. Add devices to the Maps



- Click the **[window icon]** then select **[views]**.
- Click the **[Steup Mode]**. The icon turns orange in edit mode.



- Click [**Display Device Page List View**] on the toolbar from Maps to open the device window.
- Drag the desired cameras from the device window to the corresponding positions on the Maps.



Step 2. Edit map details



- Double click on the image to maximize window and edit view.
- Click on the object you want to edit (refer to the list below).

	Map Image Change		Remove selected Objects
	Display Device Page List View	Ð	Print
Ø	Draw hot zone	0	Save snapshot
Т	Insert Text	Yello\∨	Color list
В	Bold Text		Transparency
Ι	Italic Text	Border Tickness 0	Border thickness
$\mathbf{\underline{U}}$	Underlined Text	72 ~	Font size
\$	Outline Text	Arial 🗸	Font type

3. Delete Maps



- Click the [window icon] then select [views and Maps].
- Hover the mouse over the Maps you want to delete and click on the [Trash can icon] to delete the Maps.



7. FOLDER

7.1 Add/Edit/Delete view folder

1. Add view folder

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E .	Public Views					Recorder on SP spartingk - 192,168,224	ARK IO	
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		New Folder						
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- Click the [window icon] then select [views].
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click the [+] folder below [views] to add a subfolder to the selected folder
- New folder folder name: insert the name of the folder to be added

2. Edit view folder

\equiv	ARGO CLIENT			C Thursday, June 13, 2024 03:07:10 PM	admin@desktop-6kbn55a	🖵 🎝, <u> -</u>	σ×
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- Click the [window icon] then select [views].
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click the **[pencil folder icon]** below **[Folder]** to edit the selected folder.
- Edit folder folder name: insert the name of the folder to be edited
- 3. Delete view folder

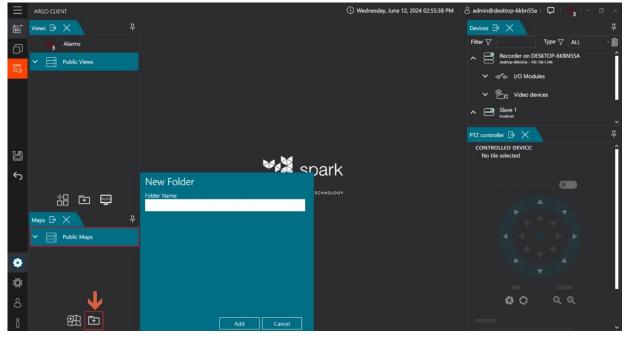


- Click the **[window icon]** then select **[views]**.
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click the [folder icon] below [Folder] to delete the selected folder.



7.2 Add/Edit/Delete Maps folder

1. Add Maps folder



- Click the [window icon] then select [Maps].
- Click the [edit icon]. The icon turns orange in edit mode.
- Click the [+Folder icon] on [Maps] to add a new folder.
- New folder folder name: insert the name of the folder to be added

	1		
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			✓ [⊕] Video devices
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			PTZ controller 🕞 🗙 🐺
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2. Edit Maps folder

- Click the [window icon] then select [Maps].
- Click the **[edit icon]**. The icon turns orange in edit mode.



- Click the **[pencil folder icon]** below **[Folder]** to edit the selected folder.
- Edit folder folder name: insert the name of the folder to be edited

3. Delete Maps folder

\equiv	ARGO CLIENT		() Wednesday, June 12, 2024 02:51:01 PM	👌 admin@desktop-6kbn55a 📮 🛱 – 🗇 🗙
缸	Views 🗗 🗙	Ŧ		Devices 🗗 🗙 📮
Ð	டி Alarms			Filter 🍸 Type 🍸 ALL 🕥 🗎
E,	V Public Views			Recorder on DESKTOP-6KBN55A desktop-6kBn55a - 192-168.1346
-»				✓ A⊗ I/O Modules
				✓ [®] → Video devices
				A Slave 1 localhost
				PTZ controller 🕞 🗙 📮
H				CONTROLLED DEVICE: ^
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• 7				Digital controls insighted
	Maps 🗗 🗙	₽		P A V
	Public Maps			< < > ► ►
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	田			-
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ő				PRESETS

- Click the **[window icon]** then select **[Maps]**.
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click the **[folder icon]** below **[Folder]** to delete the selected folder.



8. ALARM

8.1 Alarm

\equiv	ARGO CLIENT		① Wednesday, June 12, 2024 02:48:06 PM 용 a	admin@desktop-6kbn55a 🖵 🛱 🦂 🗆 🛛
Ē	Views 🗗 🗙	- 平	Alarms (Live) 🔍 🗗 🗙 D	Devices 🗗 🗙 🗸 🗸
Ð	🗘 Alarms			ilter 🍸 🛛 Type 🍸 ALL 🕚 🗎
	V Public Views			Recorder on DESKTOP-6KBN55A
Ē,				✔ ぷ⊗ I/O Modules
				ິ ບັ່ງ Video devices
				Slave 1
				• Localhost
				TZ controller 🕞 🗙 📮
				CONTROLLED DEVICE: ^ No tile selected
			and the second se	Digital controls enabled
			ALARMS TO MANAGE (2) Options Selected alarm: Take in charge Forward Manage alarm	
			TRIGGER TIME STATUS CATEGORY ASSIGNEE NODE	
•	Maps 🗗 🗙	平	Wednesday, June 12, 2024 2:47:54 PM Signaled System None desktop-6kbn55a	
	Y Public Maps		Wednesday, June 12, 2024 2:47:37 PM Signaled System None desktop-6kbn55a	~
Å				IRIS ZOOM
8				ରୁ 🗘 ବ୍ବ୍
ő			د	

- When an alarm is triggered, the alarm icon and the device on Maps will turn red.
- Click [alarm icon on Alarm] or [red warning on Maps] to enter alarm management page
- Alarm (real-time) page allows viewing of alarm-related information that has not yet been dealt with.

Alarm-related information includes: alarm name / priority / trigger time / status / list / assigned person / node.

Note: Users need to configure related devices in Argo config event and alarm settings to display the related devices when an alarm is triggered.



8.2 Real-time alarm options

\equiv	ARGO CLIENT			() Wedn	nesday, June 12, 2024 02:30:01 PM	\rightarrow Live alarm grid options
甌	Views 🗗 🗙	₽	Alarms (Live)	1.183 密度 (i5 PC)	ବ ፁ ×	
ð	🗘 Alarms					Stream
Ē,	V Public Views					Playback 🗸
G <i>p</i>				527		Playback autoplay Off Playback offSet Specifies how many seconds you can anticipate or posticipate the playback of recorded video streams of devices associated to alarms Offset (sec) - (0 - 7200) 0 + Seconds
			ALARMS TO MANAGE (1) Optic	ons Selected alarm: Take in charge	Forward Manage alarm	
				STATUS CATEGORY ASSIGNEE	NODE	
•	Maps 🗗 🗙	異	Wednesday, June 12, 2024 2:29:45 PM	Signaled System None	desktop-6kbn55a	
4	• Public Maps					
	田一樓倉庫					
8	New Map M	lame				
Ő			(

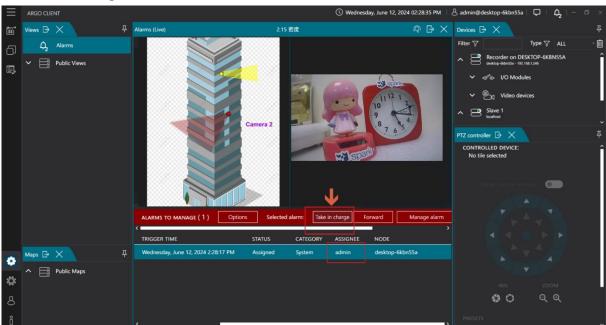
Click [Options]

_

- Profile: select behavior when an alarm is triggered (live view / playback / live view and playback).
- Auto playback: when enabled, automatically display playback when an alarm is triggered.
- Playback adjustment: increase or decrease the number of seconds before and after the event for specified devices related to the alarm. Range: 0 to 7200 seconds.

8.3 Take in charge / Alarm forwarding / Manage alarm

1. Take in charge

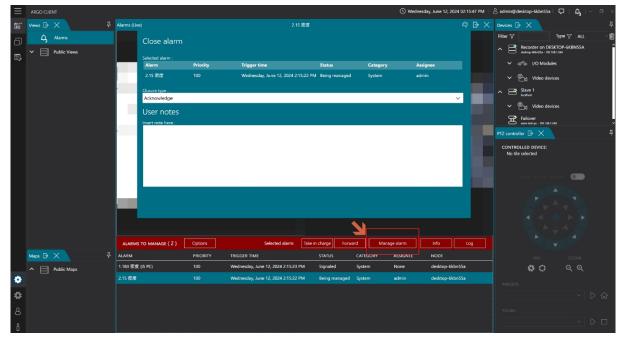




- Users or groups who want to manage alarms can click on [**Take in charge**] to manage alarms.
- 2. Alarm forwarding

\equiv			Forward Alar							IPM i	Admin@desktop-6kbn55a	🖵 🗛 -	
歐	Views 🕞 🗙		Selected alarm :							∢ ¥	Devices 🗗 🗙		
S	🗘 Alarms		Alarm	Priority	Trigger time	Status	Category	Assignee			Filter 🍸	Type 🏹 🛛 ALL	` 🛍
) E	Public Views		1.183 密度 (5 PC) Forward alarr	100 n to	Wednesday, June 12, 2024 2:21:41 PM	Signaled	System	None			Recorder on Di desitop-682m55a - 192 S //O Mode		Î
			You can forward the sel										
			Please choose the new a	alarm recipient from	the list of logged-in users available below						✓ 📇 Video de	vices	
			admin						~		∧ Slave 1 toolboxt		
			User notes								✓ [®] ng Video de		
			Insert note here :								Failover xeon-test-pc - 192.168		v
											PTZ controller 🕒 🗙		
											CONTROLLED DEVICE: No tile selected		
												nabled	
					Forward	ancel							
			ALARMS TO MANAGE (2)	Options	Selected alarm: Tal	e in charge	Forward Manag		Info Log				
	Maps 🗗 🗙	푸 🗛	LARM	PRIORITY	TRIGGER TIME	STATUS	CATEGORY	ASSIGNEE	NODE				
	Public Maps	1	l.183 密度 (i5 PC)	100	Wednesday, June 12, 2024 2:22:14 PM	Signaled	System	None	desktop-6kbn55a		60		
•			2.15 密度		Wednesday, June 12, 2024 2:21:57 PM	Signaled	System		desktop-6kbn55a				
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8													
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- Click [forwards] to forward the alarm to other users or groups for handling.
- Forward alarm: displays selected alarm information, such as alarm name / priority / trigger time / status / list / assigned person.
- Forward alarm to: displays list of available online users to forward the selected alarm.
- User note: notes related to forwarding the alarm can be entered here.



3. Manage alarm



- Click **[manage alarm]** to close the alarm according to the procedure after the alarm ends.
- Close alarm: displays selected alarm information, such as alarm name / priority / trigger time / status / list / assigned person.
- Close alarm type: select the type of closing the alarm close / false alarm / forced close.

Close: acknowledge this alarm, the alarm is valid.

- False alarm: this alarm is a false alarm.
- Forced close: forcefully close this alarm.
- Closing Procedure: Follow the steps to check the successful or failed steps.
- User note: notes related to managing the alarm can be entered here.

8.4 Information / Log

1. Information

≡	ARGO CLIENT				Wednesday, June 12, 2024 (12:12:16 PM	👃 admin@desktop-6kbn55a 📮 🧳 - 💷 🗙
甌	Views ⊕ 🗙 🛱		1.183 💼	度 (i5 PC)		$\heartsuit $ $ > \times $	Devices 🕞 🗙 🐺
പ	Д ₃ Alarms						Filter 🍸 Type 🍸 ALL 🕚
	✓						Recorder on DESKTOP-6KBN55A deatrop-8ktn55a - 192 168 1 346
E,		Alarm 1.183 密度 (i5 PC	i) info				✓ ♂⊝ I/O Modules
		Signaled time Wednesday, June 12, 2024 2:11:51					✓ ⊕ Video devices
		Status		Category			A Slave 1 toohat
		Signaled					
		Assignee None		Assigned by None			Video devices
		Trigger					Failover wen-set-pc - 192.168.1.249
		Undefined Related devices					PTZ controller ⊕ × ₽
		IP Address	Device name	Product name	Status		CONTROLLED DEVICE:
		192.168.1.183	Camera 7 _ 1.183	FLEXIDOME IP 4000i IR	Ready		No tile selected
		Executed actions					
		Name		Description			Digital controls enabled
		LINE NOTIFY		linenotifyaction			
		ALARMS TO MANAGE (2) Options	Selected alarm:	Take in charge Forward	Manage alarm	Log	
	Maps 🗗 🗙 🛱	ALARM PRIORITY	TRIGGER TIME	STATUS CATEGORY		····9	
		2.15 密度 100	Wednesday, June 12, 2024 2:12:00 F		None desktop-6kbn5	ia	iris zoom Срад
•		1.183 密度 (IS PC) 100	Wednesday, June 12, 2024 2:11:50 F	M Signaled System	None desktop-6kbn5!		
	田一樓倉庫						PRESETS
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8							
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 Click [Information] to browse the selected alarm information: trigger time / status / list / assignee / assigned person / trigger type / alarm receiving server / related devices / actions executed



2. Log

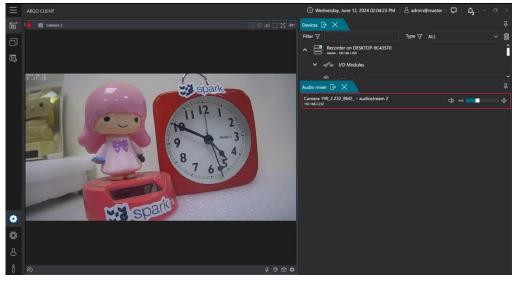
ARGO CLIENT			() Wednesday, June 12, 2024 02:08:58 PM	🖁 admin@desktop-6kbn55a 🖵 🎝 – 🗇 🗙
IViews ⊡ × ₽	Alarms (Live)	1.183 密度 (/5 PC)		Devices ⊕ × 4
Alarms				Filter 🏹 Type 🍸 ALL 🕚
N Dublic Viewer				Recorder on DESKTOP-6KBN5SA Autop-6kbn55a 192368.1346
				✓ ≪⊛ I/O Modules
	Alarm log		_	∽ 🖳 Video devices
	Selected alarm Alarm Priority Trigger	time Status Ca	rtegory Assignee	
			stem None	▲ Slave 1 loothest
		suay, Julie 12, 2024 20020 PM Signaled Sy	stelli ivone	✓ <a>B_d Video devices
	Logs Date & Time Status	Operator Assignee	User notes	Failover view-tist-pc - 192.168.1.249
	Wednesday, June 12, 2024 2:08:28 PM Signaled	None None	User notes	PTZ controller 🕞 🗙 📮
	inconcidity, June 12, 2019 EXCEPTION Signated			CONTROLLED DEVICE:
	Related events Date & Time	Status Source		No tile selected
	Wednesday, June 12, 2024 2:08:28 PM	On 1.183 密皮 (i5 PC)		
	inclusion, sure in, tota total initia			Digital controls enabled
			_	
			↓	
	ALARMS TO MANAGE (2) Options	Selected alarm: Take in charge Forward	- Manage alarm Info Log	▼
маря 🖻 🗙 🐺	ALARM PRIORITY TRIGGER		GORY ASSIGNEE NODE	IRIS ZOOM
Public Maps		ay, June 12, 2024 2:08:28 PM Signaled Syste		ା ଦେ ବ୍ର୍
•	1.183 密度 (I5 PC) 100 Wednesd	ay, June 12, 2024 2:08:28 PM Signaled Syste	m None desktop-6kbn55a	PRESETS
#				> ▷ ŵ
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- Click [logs] to browse the selected alarm logs: selected alarm / logs / related events



9. AUDIO MIXER

9.1 Audio volume adjustment

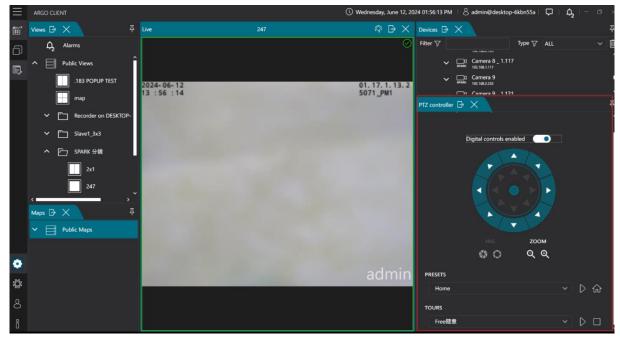


- Click [window icon] and select [Audio mixer]
- Drag [volume bar] to adjust the audio volume.



10.PTZ CONTROL

10.1 Camera PTZ control



- Click [window icon] select [PTZ control]
- Click on the **[dashed frame]** on the upper right corner of the PTZ camera you want to control.
- Enable digital control:

When enabled, only digital zoom in and zoom out are applied to the current screen. When disabled, zoom in and zoom out of the camera itself can only be done through the mouse scroll wheel.

- Iris: adjust to avoid overexposure
- Zoom: adjust image zoom
- PRESETS: select preset position
- TOURS: select path

Note: to use this feature, the selected camera must support the PTZ function.



11. ACCESS CONTROL

11.1 Real-time access control

\equiv	ARGO CLIENT				() Wednesday, June 12, 2024 01:47:2	20 PM 💍 admin@desktop	o-6kbn55a 🖵	Ç -	
Ē	Views 🗗 🗙	247	Ð	×	Devices 🗗 🗙				푸
Ð	🗘 Alarms				Filter 🖓	Type 🍸 ALL			~ 🏛
	Public Views				Recorder on DESKTOP-6KBN55A desktop-6kbr55a - 192.168.1.246				Î
E,					✓ ぱ⊗ I/O Modules				
					✓ ^B Video devices				
					Access control monitor 🗗 🗙				푸
						lear			Q
					DATE & TIME	ACCESS ID	ID TYPE	SNA	PSHOT
		M M							
		Spark 😨							
		Member of TTM TECHNOLOGY							
	Maps 🕀 🗙								
	Y 📑 Public Maps								
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Click [windows icon] select [access control]

Note: by default, access control is in real-time mode.

Option	Description
Display latest data	Automatically update to the latest record.
Pause	Temporarily stop updating records.
Clear all	Clear all real-time records (these records can still be
	found in the search records).

11.2 Record mode

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1. Enable access control record page

Access control monitor $ igodot imes $			푸
Last entry selected Resume	Clear		
DATE & TIME	ACCESS ID	ID TYPE	SNAPSHOT

- Click [window icon] select [access control]
- Click on [Record Mode Icon] to go to the access control record mode



2. Search access control record

Access control monitor \Box	×			푸
				(0)
From: 5/13/2024 11:30:23 AM		To: 6/12/2024 11:30:23 AM	∧	
SPEED INTERVAL				
None		Camera 2 _1.118 - vi	deoinput 0	
Deny		Camera 4 _ 1.120 - v	ideoinput 0	
Allow		Camera 3 _ 1.119 - v	ideoinput 0	
More	\sim	Мо	re \checkmark	
	ID TYPE			
	desktop-6kbn55a 🗸 🗸			
Reset filters Clear			Search	Export
DATE & TIME ▽	ACCESS ID	ID TYPE	S	NAPSHOT

- Select filtering options then click [Search]
- Filtering options:

Option	Description			
Time interval	Filter based on the set time interval.			
Speed range	Filter based on the set speed range.			
List	Filter based on the set list.			
Device	Filter based on the set device.			
Access ID	Filter based on the set ID.			
	For example, entering "123" will search for all Access IDs			
	containing "123".			
Access type	Filter based on the passage type (RFID/LPR).			
Note keyword	Filter based on keywords in the note field.			
	For example, entering "VIP" will search for all access IDs with			
	"VIP" included in the notes.			
Node	Filter based on the node where the device recording the			
	access ID is located.			



3. Clear filter options

Access control monitor $ igodot \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $	<			푸
				((•))
	ID TYPE desktop-6kbn55a V			
Reset filters Clear			Search	Export
DATE & TIME ▽	ACCESS ID	ID TYPE	SI	NAPSHOT

- Click on the bottom left **[Clear Filters]** to clear the selected filter items.

4. Clear all filter options

Access control monitor $ igodot imes $			2	ዋ
SEARCH INTERVAL			((0))
	ID TYPE ktop-6kbn55a V			
Reset filters Clear	ctop-6kbn55a V ACCESS ID	ID TYPE	Search Export SNAPSHOT	

- Click on the bottom left [Clear All] to clear all previous search records.



5. Export access control records

Access control monitor	×			푸
SEARCH INTERVAL				((•))
ACCESS ID	ID TYPE desktop-6kbn55a V			
Reset filters Clear			Search	Export
DATE & TIME ▽	ACCESS ID	ID TYPE	SI	NAPSHOT

- Click **[Export]** to export the access control record

11.3 Access ID status

\equiv	ARGO CLIENT			() Wednesd	ay, June 12, 2024 01:06:	08 PM 💩 admin@desktop-6kbn55a 📮 🖣 - 🗇 🗙
Ē	Views 🗗 🗙	д	Access control monitor $ igodot imes imes $			Д
പ	Alarms		Last entry selected Pause	Clear		SELECTED ACCESS ID EVENT DETAILS $\times \mathbb{Q}$
	✓ ☐ Public Views		DATE & TIME	ACCESS ID	ID TYPE	Accuracy: 100%
Ē,			Wednesday, June 12, 2024 1:06:09 PM	FHC8637	LPR	Access id status: Unregistered Register Unregister Edit
			Wednesday, June 12, 2024 1:05:58 PM	FHC8637	LPR	
			Wednesday, June 12, 2024 1:05:48 PM	FHC8637	LPR	the second second second second second second second second second second second second second second second se
			Wednesday, June 12, 2024 1:05:39 PM	FHC8637	LPR	and the second se
			Wednesday, June 12, 2024 1:05:28 PM	FHC8637	LPR	
			Wednesday, June 12, 2024 1:05:18 PM	FHC8637	LPR	FHC-8637
		Sparl	Wednesday, June 12, 2024 1:05:08 PM	FHC8637	LPR	
		Member of TTM TECHNOLO	Wednesday, June 12, 2024 1:04:58 PM	FHC8637	LPR	
			Wednesday, June 12, 2024 1:04:49 PM	FHC8637	LPR	of the second second second second second second second second second second second second second second second
			Wednesday, June 12, 2024 1:04:38 PM	FHC8637	LPR	and the second se
			Wednesday, June 12, 2024 1:04:28 PM	FHC8637	LPR	
		д	Wednesday, June 12, 2024 1:04:18 PM	FHC8637	LPR	Notes
٠	Maps 🗗 🗙	Ŧ	Wednesday, June 12, 2024 1:04:09 PM	FHC8637	LPR	
\$ <u>}</u>	Y Public Maps		Wednesday, June 12, 2024 1:03:58 PM	FHC8637	LPR	
8			Wednesday, June 12, 2024 1:03:47 PM	FHC8637	LPR	
			Wednesday, June 12, 2024 1:03:38 PM	FHC8637	LPR	
Ő			<		, ×	· · · · · · · · · · · · · · · · · · ·

- Registered: click on the ID you want to add and click [Register] to complete add ID.
- Deactivate: click on the ID you want to delete and click [Deactivate] to delete ID.
- Edit: click on the ID you want to edit and click [Edit] to edit the ID, category, effective date, effective time, and notes.



12.AI SERVICE

12.1 Real-time AI service

\equiv	ARGO CLIENT				(🛈 Wednesday	, June 12, 2024 11:58:20 AM	orgical admin@desktop-6kbn55a ∣	🖵 🦺 - 🛛 🗵
甂	Views 🗗 🗙			Al Service Monitor 🕒 🗙					푸
പ	Alarms			Last entry selected Res	ıme	Clear		SELECTED ACCESS ID EVENT	details $\times \mathbb{Q}$
ىن	✓			DATE & TIME		DEVICE			
E,				Wednesday, June 12, 2024 1	1:55:46 AM	Camera	7 _ 1.183 - videostream 1	`	
				Wednesday, June 12, 2024 1	1:55:45 AM	Camera	7 _ 1.183 - videostream 1		
				Wednesday, June 12, 2024 1	1:55:44 AM	Camera	7 _ 1.183 - videostream 1	0	
				Wednesday, June 12, 2024 1	1:55:42 AM	Camera	7_1.183 - videostream 1		NAMES OF CONTRACTOR
				Wednesday, June 12, 2024 1	1:55:41 AM	Camera	7 _ 1.183 - videostream 1		
				Wednesday, June 12, 2024 1	1:55:40 AM	Camera	7 _ 1.183 - videostream 1	1	
				Wednesday, June 12, 2024 1	1:55:40 AM	Camera	2 - videostream ProfileToken		
				Wednesday, June 12, 2024 1	1:55:39 AM	Camera	7 _ 1.183 - videostream 1	and a state	
				Wednesday, June 12, 2024 1	1:55:38 AM	Camera	2 - videostream ProfileToken	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			Spark 🕄	Wednesday, June 12, 2024 1	1:55:38 AM	Camera	7 _ 1.183 - videostream 1		
				Wednesday, June 12, 2024 1	1:55:36 AM	Camera	7 _ 1.183 - videostream 1		
			Member of TTMATECHNOLOGY	Wednesday, June 12, 2024 1	1:55:35 AM	Camera	7 _ 1.183 - videostream 1		
				Wednesday, June 12, 2024 1	1:55:34 AM	Camera	7 _ 1.183 - videostream 1		2 A 1
				Wednesday, June 12, 2024 1	1:55:33 AM	Camera	7 _ 1.183 - videostream 1		
				Wednesday, June 12, 2024 1	1:55:32 AM	Camera	7 _ 1.183 - videostream 1		·
				Wednesday, June 12, 2024 1	1:55:30 AM	Camera	7 _ 1.183 - videostream 1		
	Maps 🗗 🗙	л		Wednesday, June 12, 2024 1	1:55:29 AM	Camera	7 _ 1.183 - videostream 1		
0	Maps 🗗 🔨	- TP		Wednesday, June 12, 2024 1	1:55:28 AM	Camera	7 _ 1.183 - videostream 1		des_Calp
	✓			Wednesday, June 12, 2024 1	1:55:27 AM	Camera	7 _ 1.183 - videostream 1	200 B	
**				Wednesday, June 12, 2024 1	1:55:26 AM	Camera	7 _ 1.183 - videostream 1		
0				Wednesday, June 12, 2024 1	1:55:25 AM	Camera	7_1.183 - videostream 1		
8				Wednesday, June 12, 2024 1	1:55:23 AM	Camera	7 _ 1.183 - videostream 1		State of the local division of the
ő				Wednesday, June 12, 2024 1	1:55:22 AM	Camera	7_1.183 - videostream 1		
U				(I		ų,	,	<	, ,

Click on the [window icon] and select [AI service]

Note: by default, AI service is in real-time mode.

Option	Description	
Display latest data	atest data Automatically update to the latest record.	
Pause	Temporarily stop updating records.	
Clear all	Clear all real-time records (these records can still be found in the	
	search records).	

12.2 Go to archive

1. Enable AI service record page



Click on the [window icon] and select [Al service minotor]

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- Click on [Go to archive Icon] to go to the AI service record mode
- 2. Search AI service record

Al Service Monitor 🗗 🗙	쭈
	(0)
From: 5/13/2024 11:30:23 AM	To: 6/12/2024 11:30:23 AM
CLASS	DEVICE
person	Camera 2_1.118 - videoinput 0
car	Camera 4 _ 1.120 - videoinput 0
bus	Camera 3 _ 1.119 - videoinput 0
More 🗸	More 🗸
	desktop-6kbn55a 🗸 🗸
Reset filters Clear	Search Export
DATE & TIME V DEVICE	CLASS NODE

- Select filtering options then click [Search]
- Filtering options:

Option	Description	
Time interval	Filter based on the set time interval.	
	Filter based on AI service type.	
Туре	Type: person/ car / bus / truck / motorcycle / bicycle	
	/ fire / smoke	
Device	Filter based on device.	
Node	Filter by the node where the record device is located.	

3. Reset filter options

Al Service Monitor 🕞 🗙			푸
			(0)
From: 5/13/2024 11:30:23 AM		To: 6/12/2024 11:30:23 AM	
CLASS]
person		Camera 2 _1.118 - videoinput 0	
car		Camera 4 _ 1.120 - videoinput 0	
bus		Camera 3 _ 1.119 - videoinput 0	
More 🗸		More \checkmark	
		desktop-6kbn55a	~
Reset filters Clear		Search	Export
DATE & TIME ▽	DEVICE	CLASS	NODE

- Click on the bottom left **[Reset Filters]** to clear the selected filter items.



4. Clear all filter options

Al Service Monitor 🕞 🗙 무					
	(0)				
From: 5/13/2024 11:30:23 AM	To: 6/12/2024 11:30:23 AM				
CLASS	DEVICE				
person	Camera 2 _1.118 - videoinput 0				
car	Camera 4 _ 1.120 - videoinput 0				
bus	Camera 3 _ 1.119 - videoinput 0				
More 🗸	More 🗸				
	desktop-6kbn55a 🗸				
Reset filters Clear	Search Export				
DATE & TIME	CLASS NODE				

- Click on the bottom left [Clear All] to clear all previous search records.

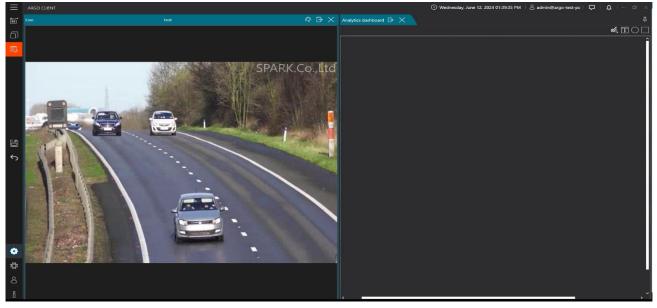
5. Export AI services records

Al Service Monitor 🕞 🗙 무						
SEARCH INTERVAL	(e)					
From: 5/13/2024 11:30:23 AM	To: 6/12/2024 11:30:23 AM					
C Edit date and time						
person	Camera 2 _1.118 - videoinput 0					
car	Camera 4 _ 1.120 - videoinput 0					
bus	Camera 3 _ 1.119 - videoinput 0					
More 🗸	More \checkmark					
	desktop-6kbn55a					
Reset filters Clear	Search Export					
DATE & TIME ∇ DE	DEVICE CLASS NODE					

- Click **[Export]** to export the AI services record



13.ANALYTICS DASHBOARD



- Click [windows icon] select [Analytics dashboard]
- Icon Descriptions:

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ŝ	New analytics widget (refer to the following steps)
Τ	Add new text object
\bigcirc	Add circle object
	Add rectangle object

13.1 Add/Edit/Delete/Export analytics dashboard

1. Add new text object

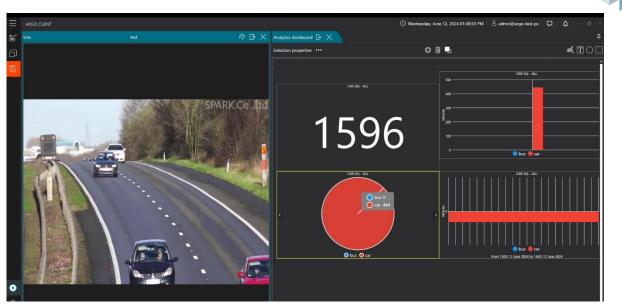


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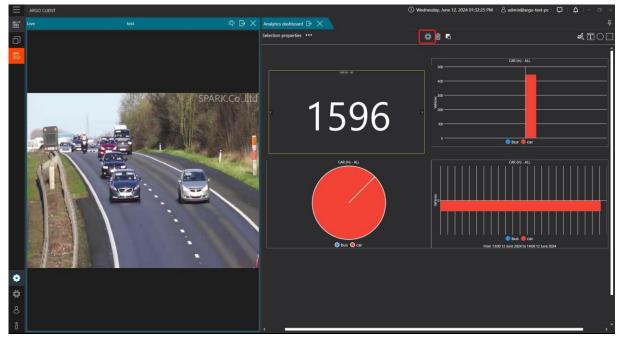
- Click [window icon] and select [Analytics dashboard]
- Click [Add new text object]
- Analytics name: insert name
- Scene: select preconfigured scene
- Display data conditions: select counting conditions of the image analytics component.
 Counting conditions type: in / out / in plus out / in minus out / out minus in
- Total data interval: select the time frequency of the total data of image analytics data
 Time frequency: year / month / week / day / hour
- Data accumulation interval: select the time frequency of data accumulation for image analytics data.

Time frequency: none / month

Display as: select how the analytics component is displayed
 Display type: number / bar chart / line chart / horizontal bar chart / pie chart



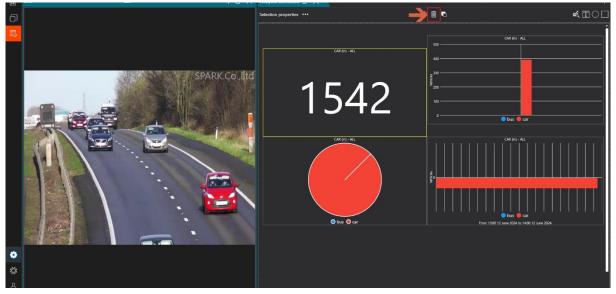
- After adding, drag the yellow box to edit the display position and size of the image analytics dashboard component
- 2. Edit analytics dashboard



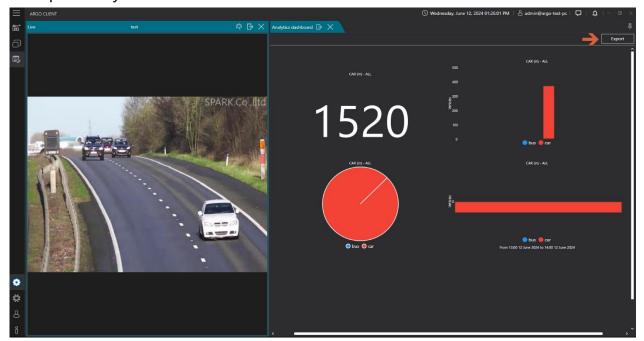
- Click [window icon] and select [Analytics dashboard]
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click the [settings icon] above to edit



3. Delete analytics dashboard



- Click [window icon] and select [Analytics dashboard]
- Click the **[edit icon]**. The icon turns orange in edit mode.
- Click [trash can icon] to delete analytics dashboard
- -
- 4. Export analytics dashboard



- Click [window icon] and select [Analytics dashboard]
- Click the [export]



14. RESTORE LAYOUT

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- Click [window icon] and select [Restore layout]
- Restore the layout to include Map / Screen / Devices / PTZ Control.



15.ARGO CONFIG

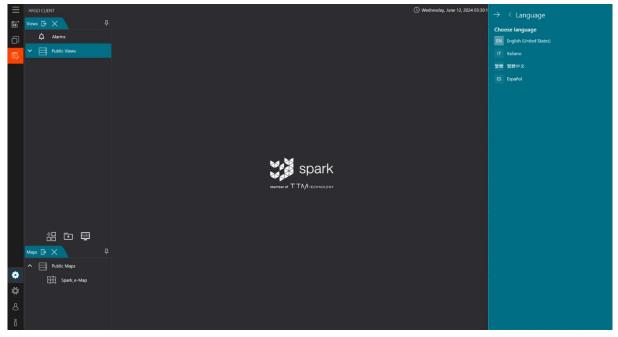
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- Click [Argo Config icon]
- Open Argo config from Argo Client



16.OPTIONS

16.1 Language



- Click the bottom left [**Options**] and select [Language].
- Language options: English / Italiano / 繁體中文 / Español

MOCILII Image: I

16.2 Interface

- Click the bottom left [Options] and select [Interface].

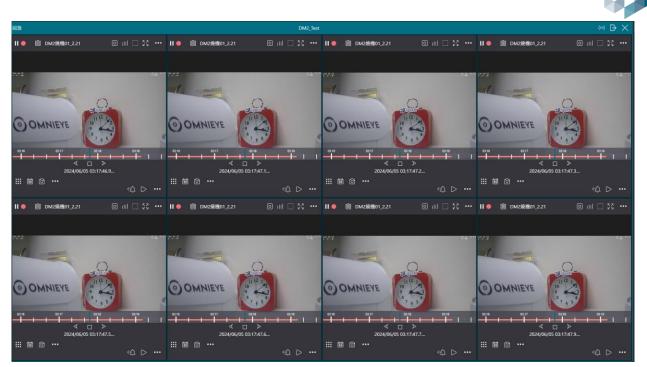


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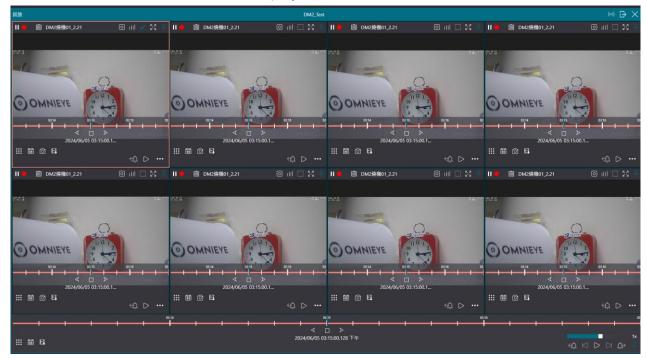
- Log in:
 - A. Single login page: password is required to log in.
 - B. Quick login page: log in without a password for direct connection.
- Playback: Playback settings
 - A. Enable synchronized playback: when enabled, screens can be synchronized during playback.



B. Enable total timeline when multiple synchronized playback is displayed: when enabled, screen will display total timeline.



C. Enable timeline of each device when multiple synchronized playback is displayed: when enabled, screen will display individual device timeline.



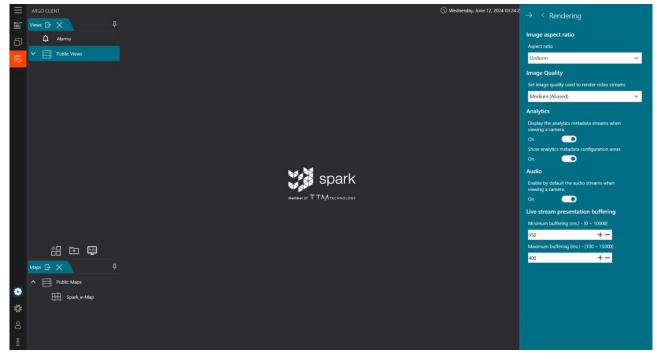


16.3 Snapshot

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- Click on the bottom left [Options] and select [Snapshot].
- Snapshot folder: select folder where snapshots will be saved.
- Snapshot format: select the format for snapshot output.
- Snapshot format: Bitmap / Jpeg / Png / Gif / Tiff / Wmp
- Enable overlay on snapshots: when enabled, overlay will be displayed on snapshots.
- Text position: select position for overlay on snapshots.

16.4 Drawing



- Click the bottom left [**Options**] and select [**Drawing**].



- live view aspect ratio: set aspect ratio for live view.

Aspect ratio: select between standard or full screen.

- Image quality: set image quality
 Options: Low (ghosting), Medium (no ghosting), High (smooth without ghosting).
- Video analytics: set the video analytics data and detection area.
 - A. Display video analytics data when viewing a single camera: when enabled, the screen will display a red frame.
 - B. Display detection area: when enabled, the screen will display the detection area.

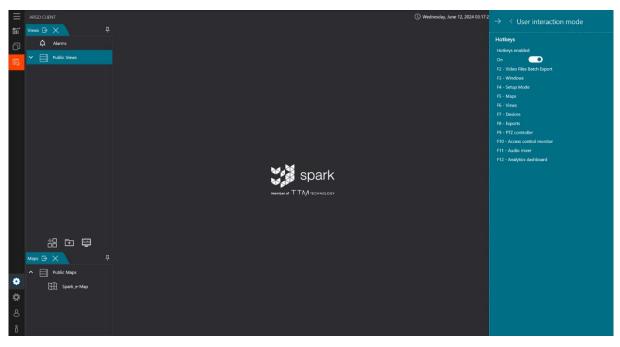
Note: if video analytics data is disabled, the detection area configuration will be disabled.

- Audio: set audio when viewing camera.

Automatically start audio when viewing camera: when enabled, sound will be heard when viewing camera.

- Real-time stream buffering: edit minimum and maximum buffering time.
 - A. Minimum buffer time range: 0~10000 milliseconds
 - B. Maximum buffer time range:100~15000 milliseconds

Note: for effective video analytics, pre-configuration on the camera's web interface is required.



16.5 User interaction mode

Argo Client

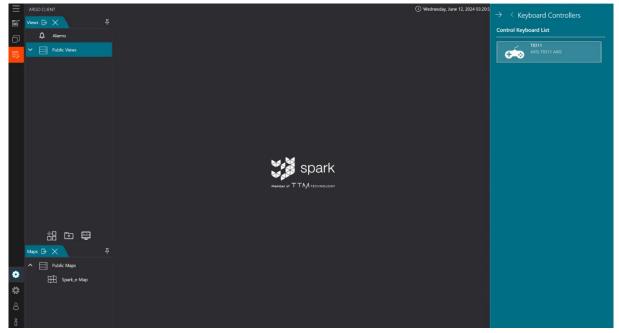


- Click the bottom left [Options] and select [user interaction mode].

Escape	Exit	F7	Device
F2	Batch export file	F8	Export file
F3	Window	F9	PTZ control
F4	Edit mode	F10	Access control
F5	Maps	F11	Audio
F6	View	F12	Analytics report

- Shortcuts: when enabled, users can use below shortcuts.

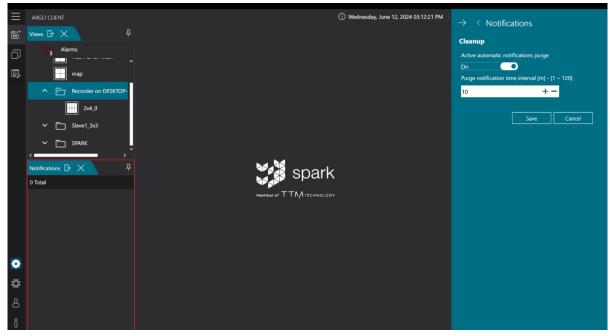
16.6 Joystick



- Click the bottom left [Options] and select [joystick].



16.7 Notification



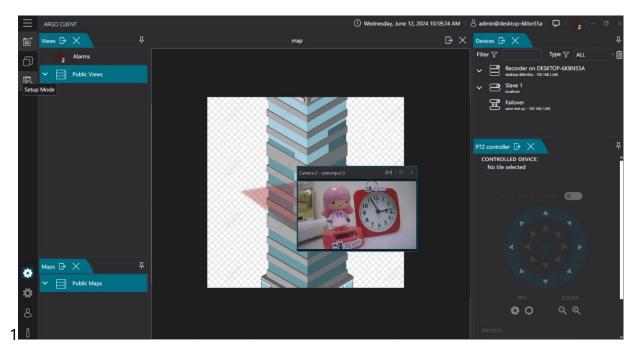
- Click the bottom left [**Options**] and select [notification].
- Clear: select automatic clearing of notifications or set interval.
 Clearing interval range: 1~120 minutes

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16.8 Alarm

- Click the bottom left [Options] and select [alarms].
- Restore from Minimize: When enabled, the window will be restored from minimize when an alarm occurs
- Alarm View: When enabled, the system will automatically switch to the alarm page when an alarm occurs.





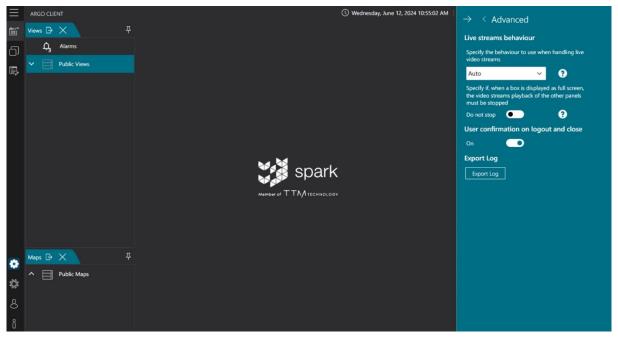
- Alarm on Maps
 - A. Open alarm popup: when enabled, a popup window will automatically open on the Maps when an alarm is triggered.
 - B. Close alarm popup: when enabled, the popup window will automatically close on the Maps when the alarm is dealt with.
 - C. Open popup on Maps: when enabled, the popup window will automatically open when the Maps is opened.

To open the Maps, double-click on the Maps and it will display in full screen mode.

- Popup window content:
 - A. Live view popup: when enabled, the popup window will display the device live view.
 - B. Playback popup: when enabled, the popup window will playback the images of the event triggered.
 - C. Live view and playback popup: when enabled, live view and playback images will display simultaneously.



16.9 Advanced



- Click the bottom left [Options] and select [Advanced].
- Real-time streaming behavior

1. Specify real-time streaming behavior: can be set to auto or highest resolution Note:

- A. When setting the specified behavior for processing real-time streams to automatic, it typically defaults to lower resolution to reduce computer energy consumption.
- B. The selected option will apply the following rules:
 - a. When a user opens a screen, the client will choose the lowest resolution available for the camera (excluding thumbnail streams).
 - b. When a user enters full-screen mode, the client will automatically switch to the highest resolution available for the camera.
 - c. When a user exits full-screen mode, the client will automatically switch back to the lowest resolution available for the camera (excluding thumbnail streams).
- 2. Pause other channels when entering full-screen mode:
- A. Enabled: When this feature is enabled, entering full-screen mode on one channel will pause other channels
- B. Disabled: When this feature is disabled, entering full-screen mode on one channel will not pause other channels
- Logout/close program confirmation



Enabled: a confirmation prompt will be displayed when logging out or closing the program.

- Export log: Click [Export logs] to export complete system program log

16.10 Watermark



- Click the bottom left [Options] and select [Watermark].
- Watermark content: edit the username and custom content.
 Username: when enabled, the watermark will display the username.
 Custom content: when enabled, users can custom watermark content.
- Watermark display options:
 - Edit the text transparency, text size, text color, single watermark display position, or multiple watermarks filling the image.

Text transparency: edit the transparency of the watermark text, ranging from 10 to 100. Text size: edit the size of the watermark text, ranging from 10 to 100.

- Text color: edit the watermark text color, choosing between white or black.
- Single watermark display position: display a single watermark at the specified position.

Position options: top left / top center / top right / center left / center / center right / bottom left / bottom center / bottom right (9 positions in total)

Multiple watermarks filling the image: display watermarks at all nine positions, filling the image with watermark content.

Watermark preview: preview the watermark settings.



17.USER

17.1 Change password

	i Change User Password				
		Username	admin		
	Change password	Old password			
ţĞ	Logout	New password			
~~		Confirm password			
8	Close	Change password Cancel			
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- Click on [User] then click [change password]. After changing password, click [change password] to confirm.
- Username: usernames cannot be modified.
- Old password: insert username old password
- New password: insert new password
- Retype password: retype the password

17.2 Logout/Close

- Logout: click **[logout]** to logout of Argo Client and return to the login page.
- Close: click [close] to close Argo Client.



18.ABOUT

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Argo Client