Barlus

Everything all in front of you

UWVMS

User Manual

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Chapter 1: Overview

1.1 Introduction

UW VMS is a software application developed for embedded network monitoring devices. It is applicable to various monitoring scenarios and can achieve functions such as real-time preview, real-time control of devices, and playback of videos.
The window supports customization and has a rich style, meeting the needs of users in various monitoring environments.
The software supports simultaneous preview of multiple video streams.
1. The software can add up to 256 devices.
2. The software can add up to 256 groups. Each group can add up to 64 monitoring points.
3. Monitoring points can be repeatedly added to different groups, and the total number of monitoring points can be up to 1024 (calculated based on a single channel 2M bitrate stream. If the bitrate exceeds 2M, it needs to be converted).
4. The software can support simultaneous preview of up to 64 screens.
5. The software can support up to 50 users, with user levels divided into administrators and operators.

1.2 Running environment

Operating System: Windows supported, Mac and Linux supported in future updates.
CPU: Intel Pentium IV 3.0 GHz or higher
Memory: 1G or higher
Display: Supports 1024×768 resolution or higher
Note: Previewing multi-channel video or higher resolution video at the same time requires higher hardware configuration.

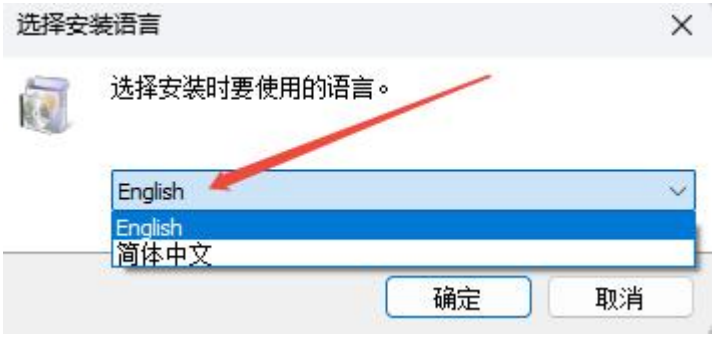
Chapter 2: Software installation login

2.1 Installation

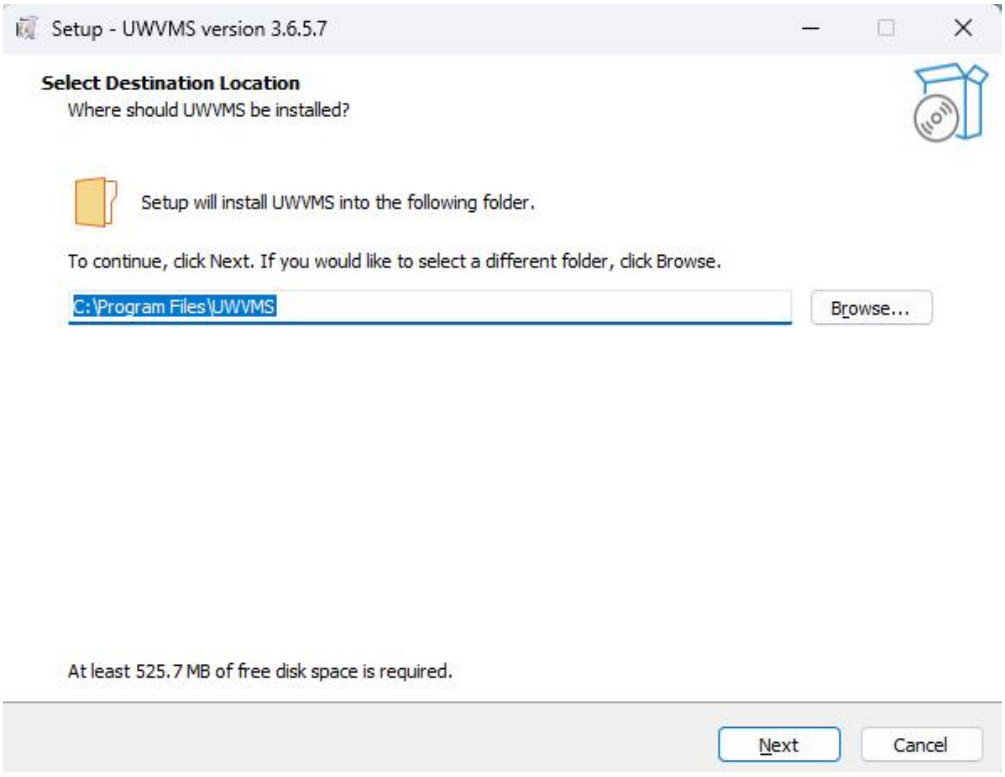
(1) Click the 

UWVMS installer to install the following dialog box, select the language.

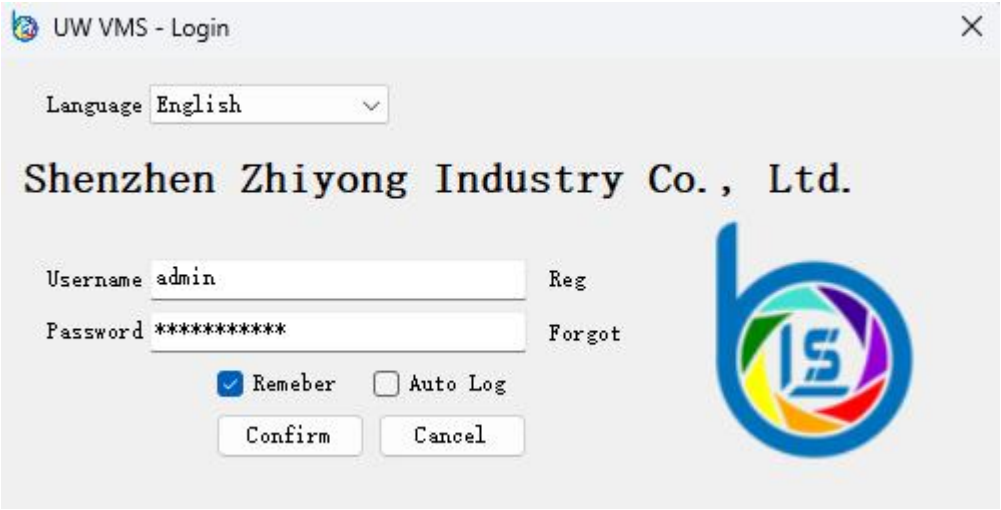
(2) Click "Next" to select the installation directory, as shown below.



(3) Click "Next" to select the installation directory, as shown below.



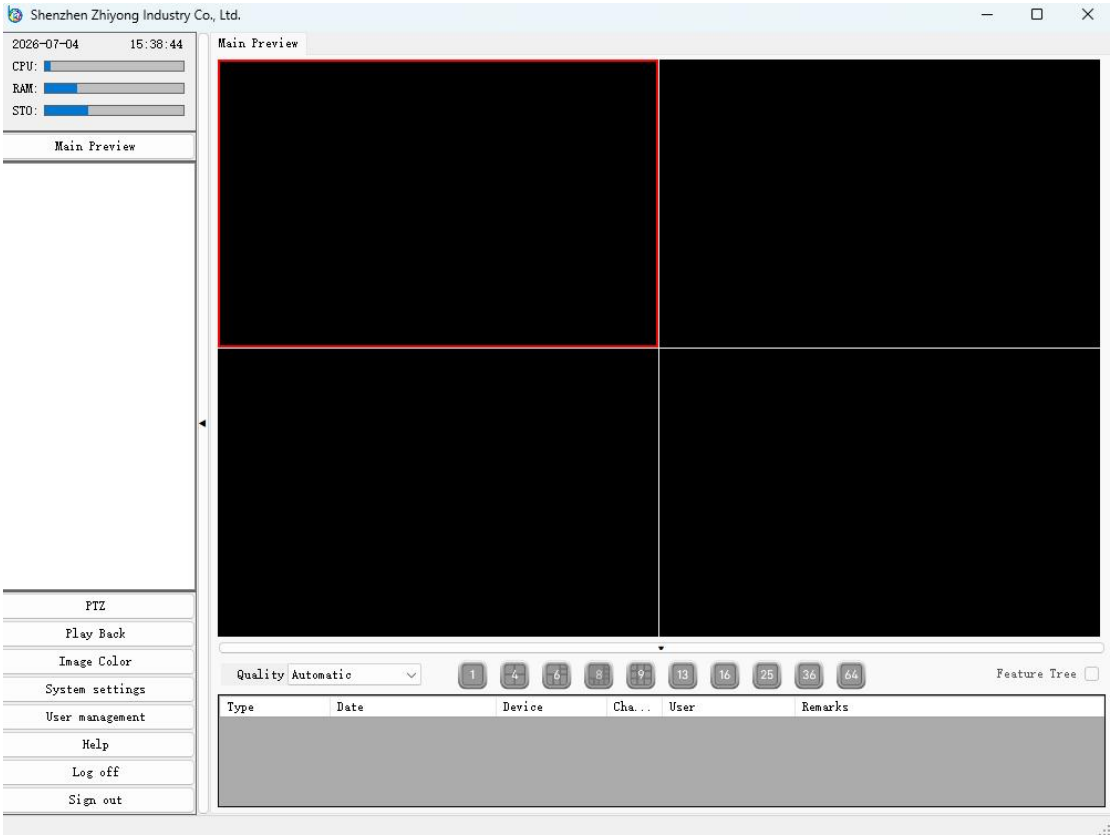
(4) Display UWVMS login screen after installation.



2.2 Login

Running software：
The software has a default user name and password, directly click login to open the software.
Default username: admin
Default password: admin123456

The UWVMS home page is as follows:



2.3 Software functions

- Camera preview (real-time, delayed preview)

Support network camera, support industrial camera, support custom auxiliary equipment

- Camera capture (manual, timed), camera recording (manual, timed)
- Camera pan-tilt function (orientation control, zoom, focus, aperture, preset point)
- Video playback (playback, fast forward, fast rewind, single frame playback, reverse)
- User management (create, modify, delete)
- Storage plan (timed capture, timed video recording)
- High-speed capture by industrial camera
- GPS

The software interface module is described as follows:

Main Preview	Realize real-time preview, delayed preview, video recording, image capture, industrial camera attribute tree, etc
PTZ	Adjust lighting, zoom, focus, wipers, timing Settings, etc. Accessibility and preset points
Play Back	Adjust the brightness, contrast, saturation and hue of the image
Image Color	Replay the video. You can choose to play it slowly, normally, fast-forward, or at a single frame rate.
System settings	It is divided into three sections: client configuration, device management, and storage plan.
Client Configuration	Basic configuration: Set the storage paths for logs, images, and videos, as well as login settings Including the naming rules for the latest version's storage path Disk: Allocate storage space for files Network camera: Configure the image format and image quality for screenshots Configure the video recording mode and size for the client Note: The default is to automatically overwrite, meaning that the earliest recorded video will be overwritten when the hard disk capacity is below 10% After manually canceling automatic overwrite: If the current hard disk capacity is below 10%, the video recording will automatically stop Preview quality options: Automatic / High Definition / Smooth Industrial camera: Configure preview frames, screenshot format/quality, continuous screenshot mode, and cache GPS: Configure GPS ports, system, coordinates, and GPS OSB settings for individual cameras
Dev Man	Used for adding devices After searching, it displays the online devices within the local area network (automatically refreshed every 60 seconds)

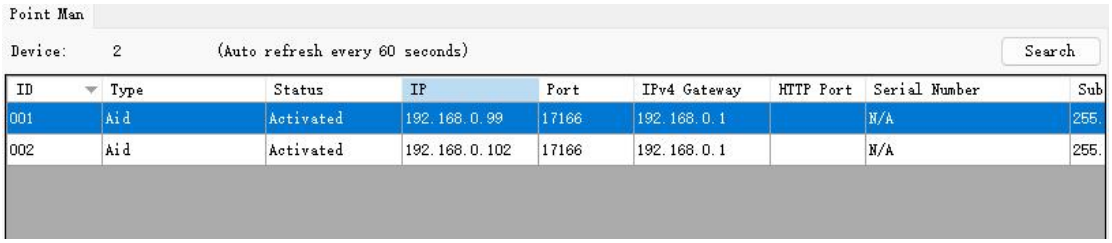
	Add, modify and delete cameras, and configure the added cameras (network configuration, alarm parameter configuration, HDD management, etc.)
Sto Plan	After successfully connecting the camera, you can set up periodic snapshot and video recording storage plans.
User management	The creation, modification, deletion of software users and the configuration of user operation permissions
Help	Our company's homepage, contact information and user manualOur company's homepage, contact information and user manual
Log off	Log out the currently logged-in user
Sign out	Log out of the current logged-in account

Chapter 3: Equipment Management

3.1 Adding Devices

1. On the main interface, select 【System Settings】 - 【Device Management】, and enter the interface. 

Click, and search for all the online monitoring devices that are within the same local area network as the computer.



2. Right-click on the "Add Area" option in the area list.

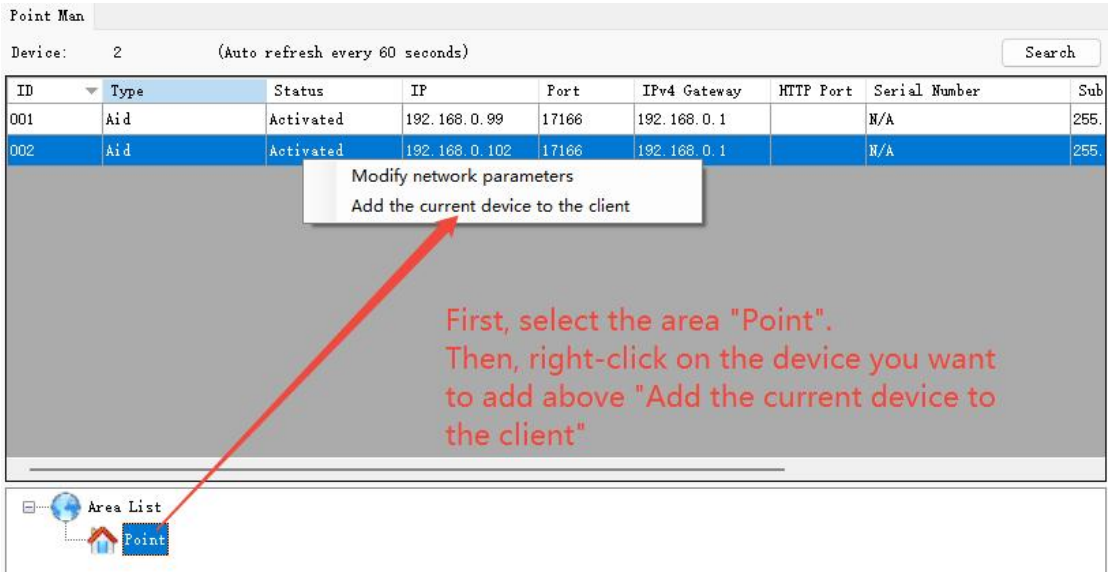


Customize the name of the added area, and the default is "Point".



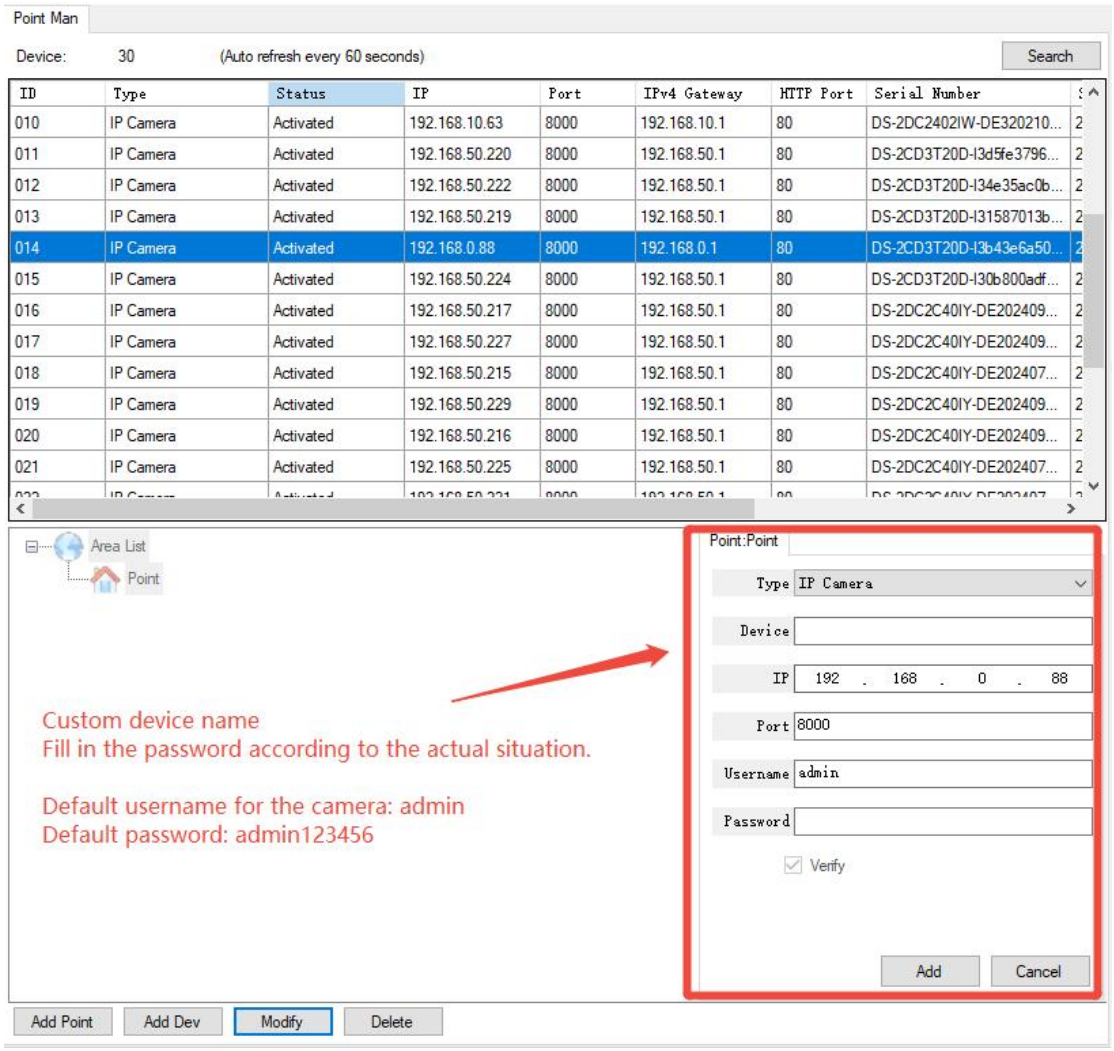
3. Select the "Point" area, then right-click on the device you want to add "Add

current device to client"



4. Fill in according to the actual condition of the camera:

The picture below shows a network camera:



The relevant instructions for the interface are as follows:

Options	Explanation
Equipment Name	The name of the added device can be filled in by yourself.
IP	The IP address of the camera
Port	Device port number, default 800
Username	The default username for the device is: admin
Password	The default password is admin123456/blank (please refer to the actual model).

If it is an industrial camera: Generally, just filling in the device name is sufficient. (For details, please refer to Chapter 5.)

5. After successful addition, the green icon displayed indicates that the current device is online.

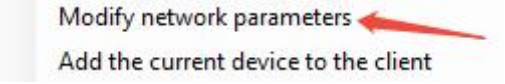


The red icon indicates that the current device is offline.



3.2 Modify the camera IP address

In the equipment management section, you can modify the network parameters of the device (such as IP address, subnet mask and gateway). Select the device that needs to be modified. Double-click the camera IP or right-click "Modify Network Parameters"

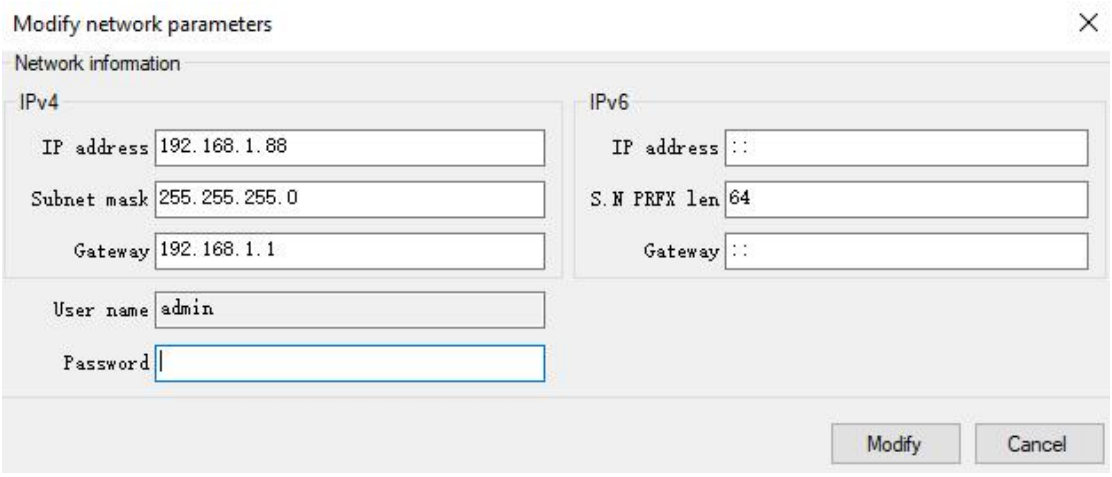


.

Modify the IP address, subnet mask and gateway, then enter the device username and password, and click.



This will enable the modification of the device's network parameters.



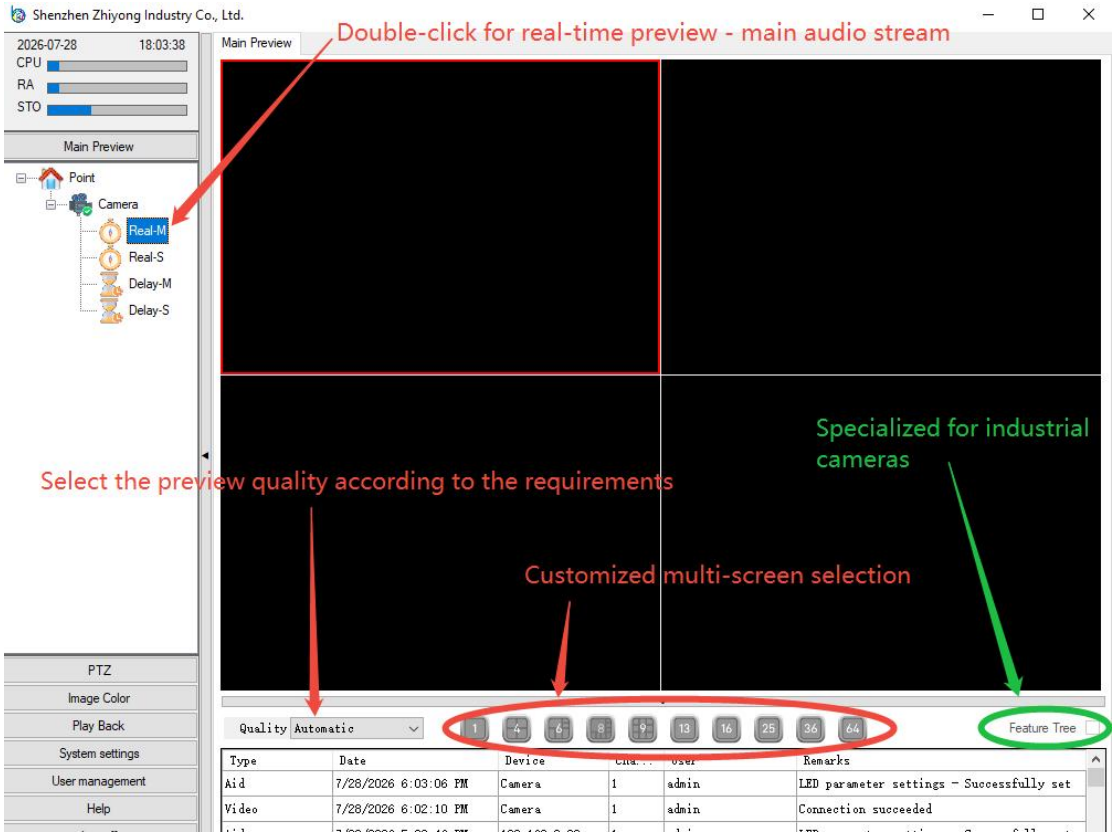
Note: In general, modifying the IPv4 settings on the left side is sufficient, and the IPv6 settings on the right side can be ignored.

Chapter 4: Equipment Control

4.1 Preview of the image

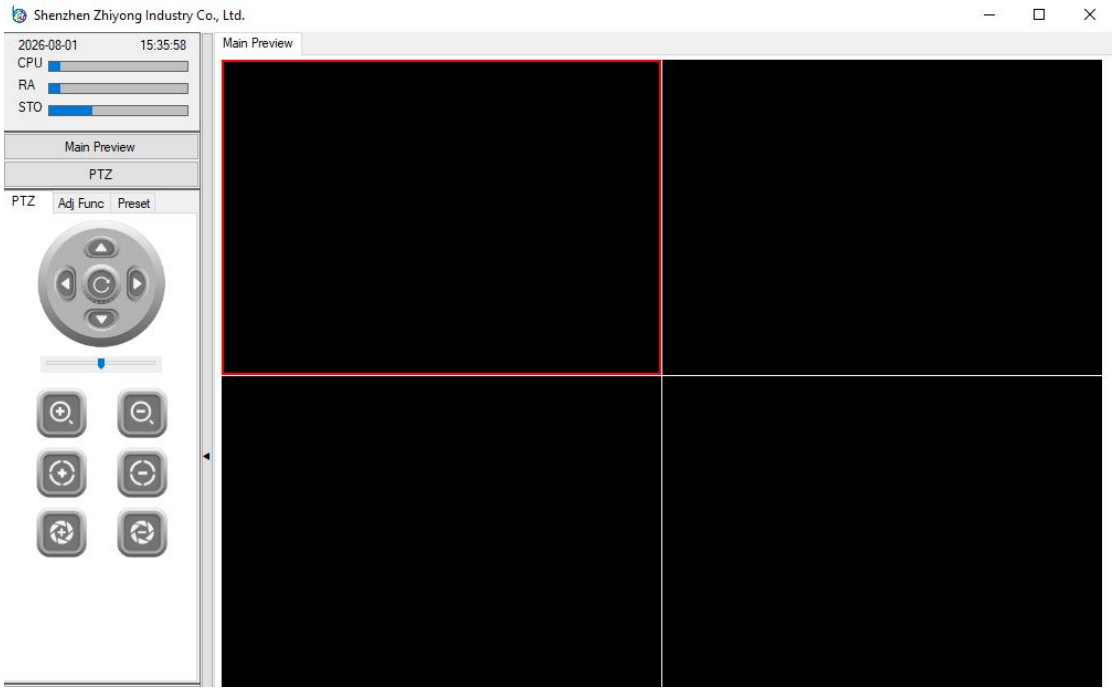
After successfully adding the device to the client, you can view the real-time picture through the main preview to promptly understand the situation in the preview area. According to actual needs, you can choose to preview by individual preview point or using a custom view.

Double-click the real-time main video stream of the added device, as shown in the following figure:



4.2 PTZ Control

The interface of the software "Cloud Platform" is shown in the following figure (applicable to network cameras):



The pan-tilt control function enables adjustment of the camera lens's lighting, focal

length, wiper, aperture, etc.

★ Lighting Settings: (Applicable only to network cameras with lighting function)

The regular camera can switch between the white light and infrared light modes as needed.

Each light has three modes: Auto, Manual, and Time.

The directional keys on the control panel are used to control the lights:



	Left arrow: Controls the infrared lamp (click once to switch to a different lighting mode)
	Right arrow: Controls the white light bulb (Click once to switch to a different lighting mode)
	Upward arrow: Increase the brightness of the lights. Click once to increase by 10%.
	Down arrow: Reduce the brightness of the lights. Click once to decrease by 10%, and you can turn off the lights by selecting "OFF".

Detailed video operation instructions can be found in the QR code video tutorial. (The QR code can be viewed in Chapter 7.)

The instructions for adjusting the camera lens are as shown in the following figure (based on the actual ordered model):



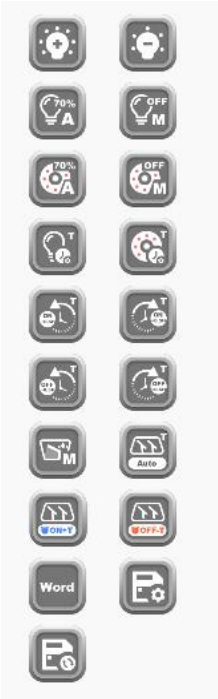
The "zoom +/-" function is applicable to the K series Z models.

The "focus +/-" function is applicable to the K series Z/F models.

	Zoom +: Shorten the shooting distance (Only supported by the K series Z models of cameras)
	Zoom - : Increase the distance between the camera and the subject (Only supported by the K series Z models of cameras)

	Focus+ : Focus the camera lens on the close-up area to make the nearby image clearer.
	Focus - : Adjust the lens to focus on the distance, making the distant image clearer.
	Aperture +: Increases the amount of light entering the camera. The greater the amount of light, the brighter the image.
	Aperture - : Reduces the amount of light entering the camera. The smaller the aperture, the less light there is, and the darker the image will be.

The description of the auxiliary functions is as shown in the following figure:



	Light intensity enhancement: Click once to increase brightness by 10%.		Light intensity decreases: Click once to reduce the brightness by 10%
	Automatic mode of white light lamp		White light manual mode (OFF)
	Infrared lamp automatic mode		Infrared lamp manual mode (OFF)
	White light timer mode		Infrared lamp timing mode
	Control the lighting duration to reduce by 0.5 hours.		Increase the time for turning off the lights by 0.5 hours.

	Control the time for turning off the lights to reduce it by 0.5 hours.		Increase the time for turning off the lights by 0.5 hours.
	Manual windshield wipers: Click once / Click three times consecutively to operate the wipers once (refer to the actual model)		The timed windshield wipers are activated/deactivated. The default setting for the timed windshield wipers is to operate once every hour.
	Increase the timed windshield wiper duration		Reduce the timing of the intermittent windshield wipers
	Wiper/Light Characters Click once to turn on/off		Save button: After setting the lights/wipers/focus, you must click the save button once.
	Restore default settings (covering lights/wipers/focus)		



Commonly used preset positions

1). The cloud platform controls the lights.
When the direction is to the right: Set the white light control mode.
When the direction is to the left: Set the infrared light control mode.
When the direction is upward: Set the brightness enhancement of the lights.
When the direction is downward: Set the brightness reduction of the lights.

2). Settings for white light and infrared light
Preset position 150: Light enhancement
Preset position 151: Light reduction
Preset position 152: White light / Automatic / 70%
Preset position 153: White light OFF
Preset position 154: Infrared light / Automatic / 70%
Preset position 155: Infrared light OFF
Preset position 156: White light timing
Preset position 157: Infrared light timing
Preset position 158: The time responsible for turning on the lights, click once to reduce by half an hour.
Preset position 159: The time responsible for turning on the lights, click once to increase by half an hour.
Preset position 160: The time responsible for turning off the lights, click once to

reduce by half an hour.
Preset position 161: The time responsible for turning off the lights, click once to increase by half an hour.
When there is time overlap, it represents 24 hours of light on.

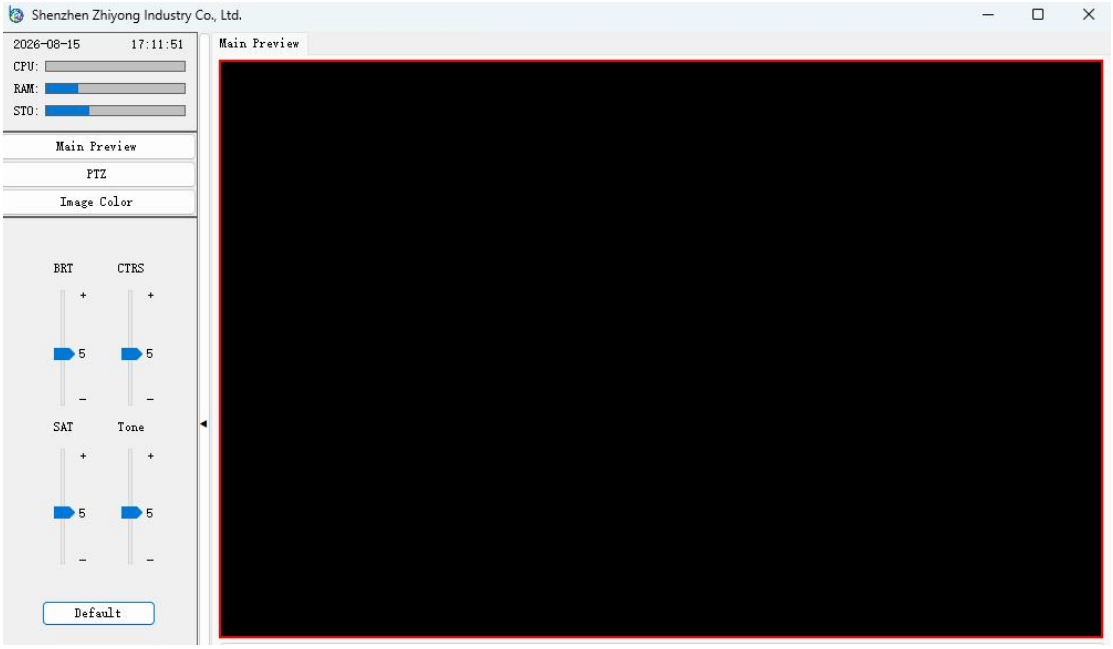
3). Glass cleaning function (requires camera support for the cleaning function)
Preset position 223: Click once or three times to swing the wiper once
Preset position 224: Turn on/off the timed wiper character display
Preset position 225: Start/Stop the timed wiper function
Preset position 226: Increase the timed wiper function by 1 minute
Preset position 227: Decrease the timed wiper function by 1 minute

4). Preset position 233: Turn on/off the lights/wiper characters

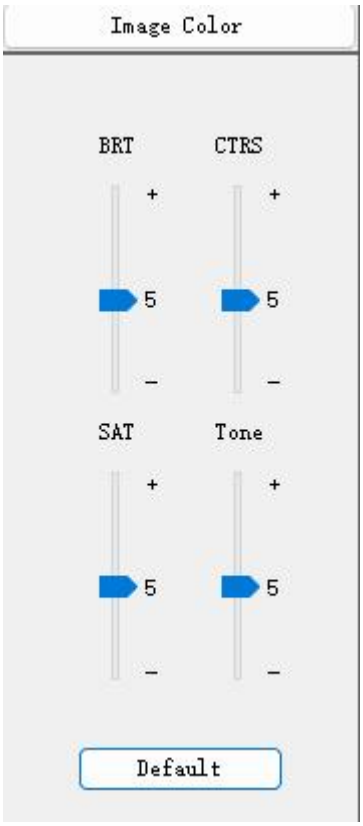
5). Save and restore camera settings
Preset position 250: Save settings
Preset position 251: Restore to initial default settings

4.3 Image Color

The "Image Color" interface of the software is shown in the following figure (applicable to network cameras). It allows for adjustments to the real-time image based on the on-site environment and requirements.



By adjusting the brightness/contrast/saturation/tone and other settings, the picture quality can be improved.

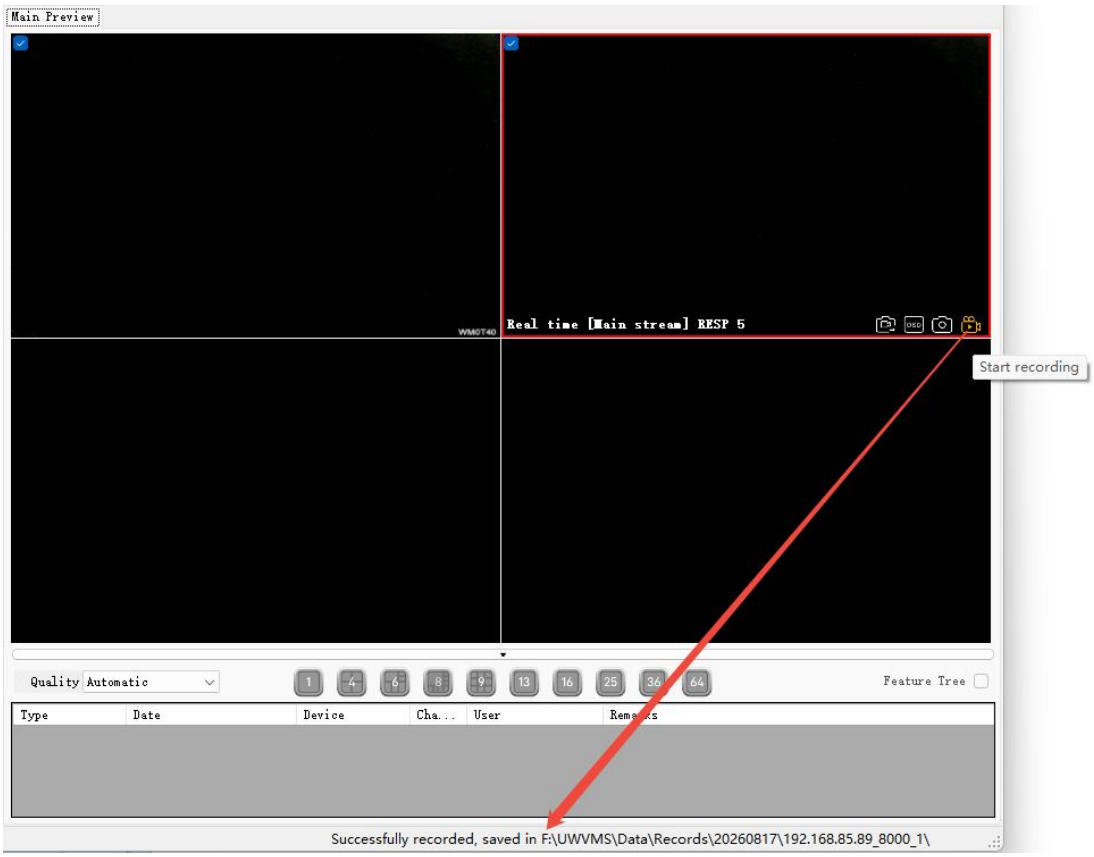


4.4 Video record / Screenshot



To capture screenshots or record videos, you can click the button at the bottom right of the image. The device supports video recording and screenshot capture. You can also place the mouse on the image and click the right mouse button to select "Capture Screenshot" or "Record Video".

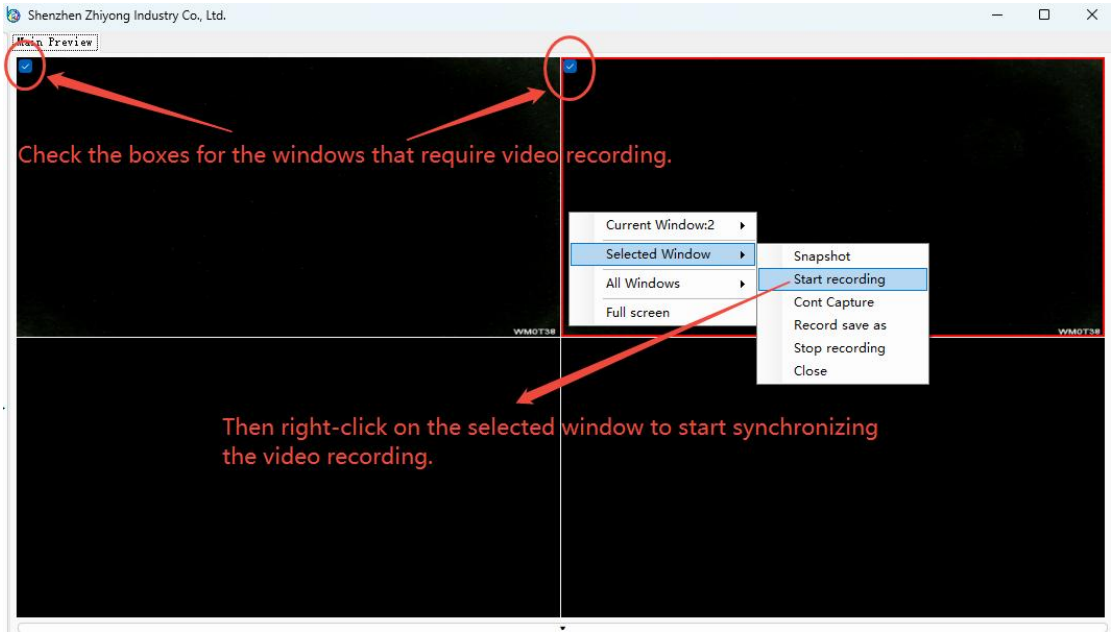
When you click on the screenshot function or stop the video recording, the software will display a prompt for the save path at the bottom. Just click or double-click to open it.



One-click video recording (synchronous video recording) function:

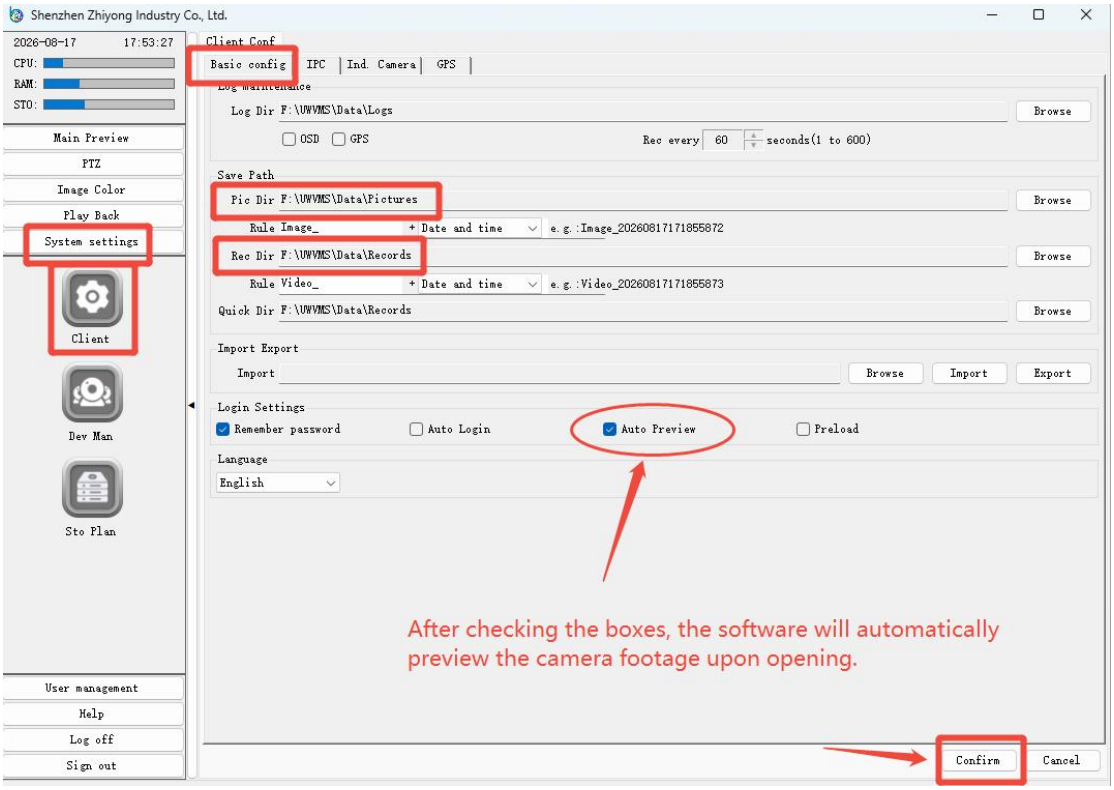
At the same time, select multiple preview devices, then right-click on "Selected Windows" / "All Windows" - start recording.

This will enable the one-click recording (synchronous recording) function. Finally, right-click on "Stop Recording" to complete the synchronous recording.



Click on 【System Settings】-- 【Client Configuration】

Configurable log directory, save path, login settings and language, etc.



【Client Configuration】-- Network Camera

The screenshot image formats are JPG and BMP. The default format for videos is MP4.

The video mode is divided into "size" and "duration".

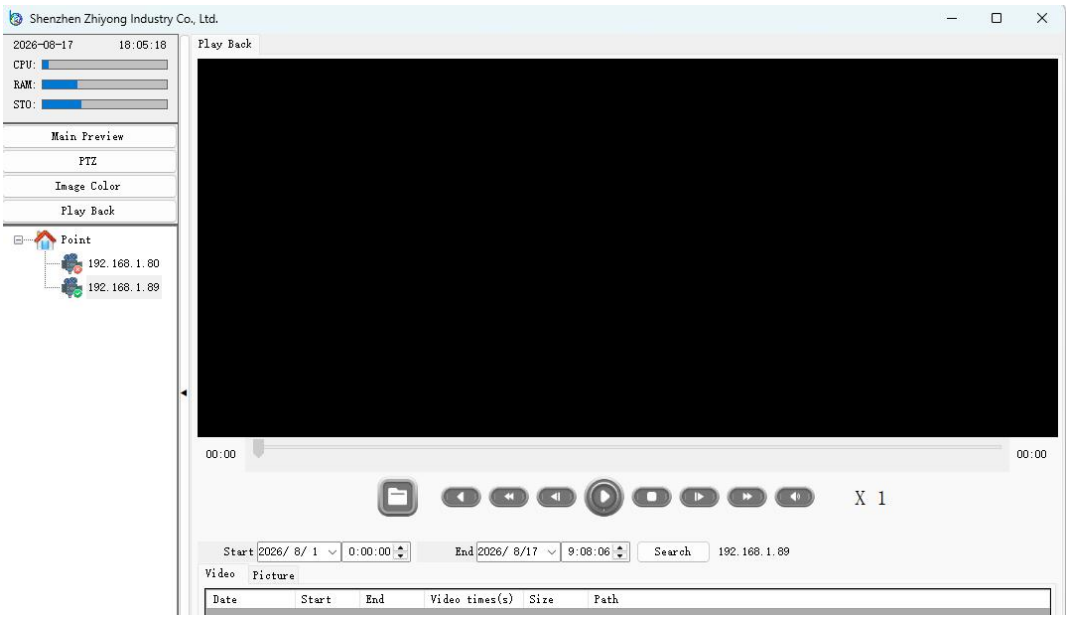
The default setting is for the video to be automatically overwritten. That is, if the hard drive capacity drops below 10%, the earliest recorded video will be overwritten. After manually canceling the automatic overwrite: If the current hard drive capacity drops below 10%, the video recording will automatically stop. The warning space can be set.



4.5 Play Back

Click on the video playback of the device you want to watch, select the start date - end date, and then click to play.


Click on the folder where the device videos are stored, and locate the video you want to watch.

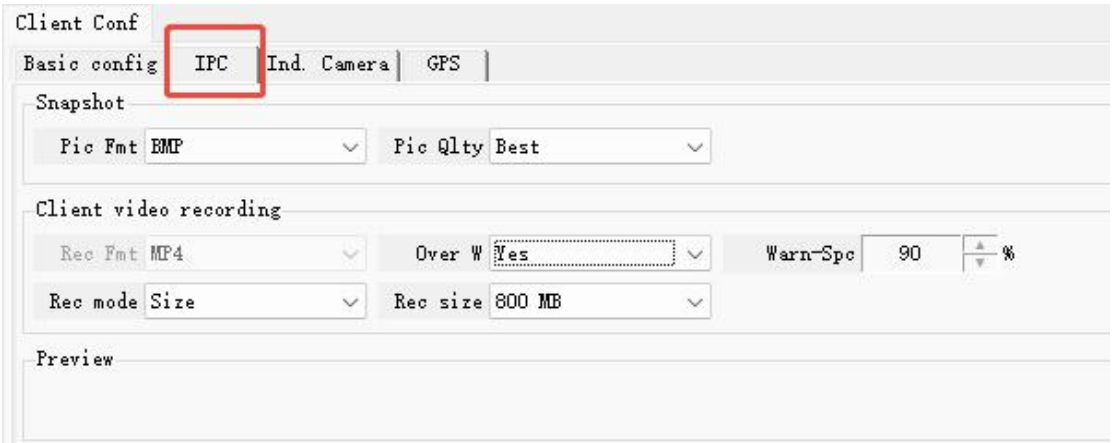


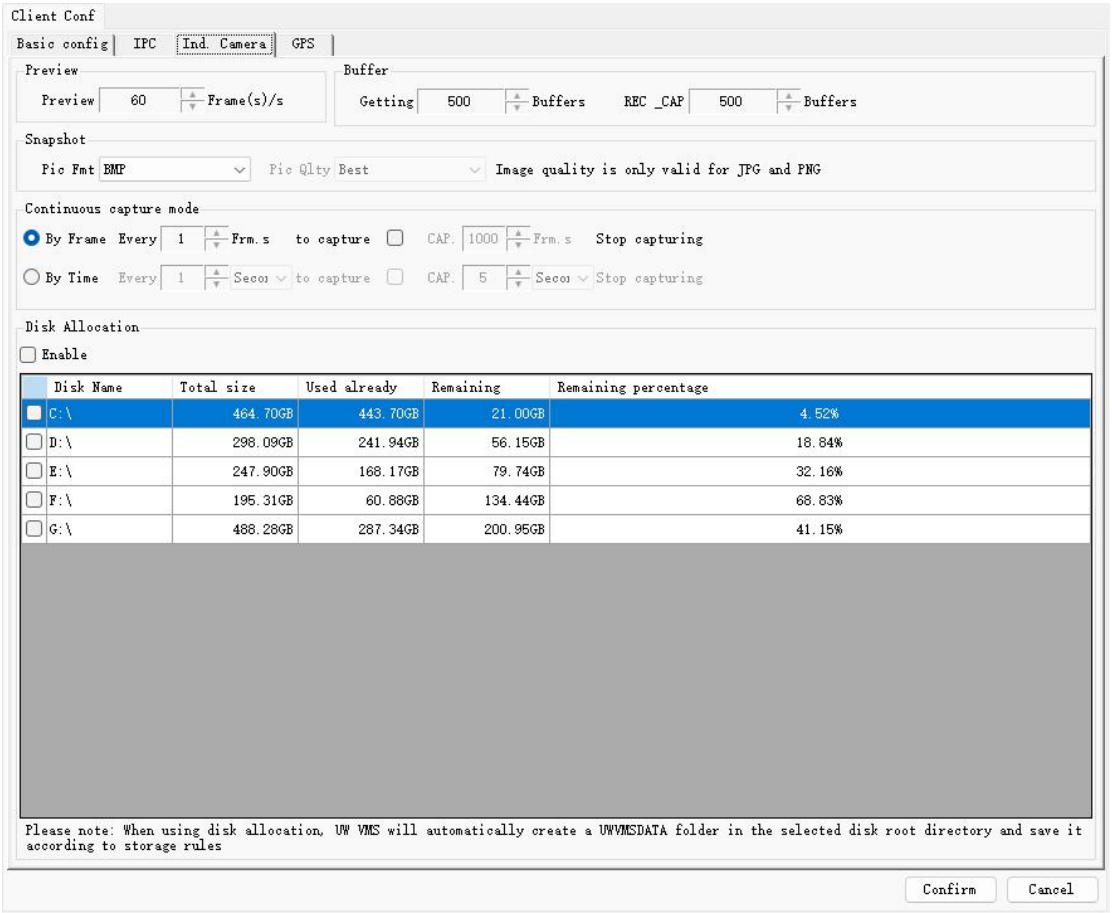
4.6 Client configuration (save path)

The save path for screenshots and videos can be set.
In the login settings, check the "Automatic Preview" option. The next time you open the software, it will automatically display the preview screen.



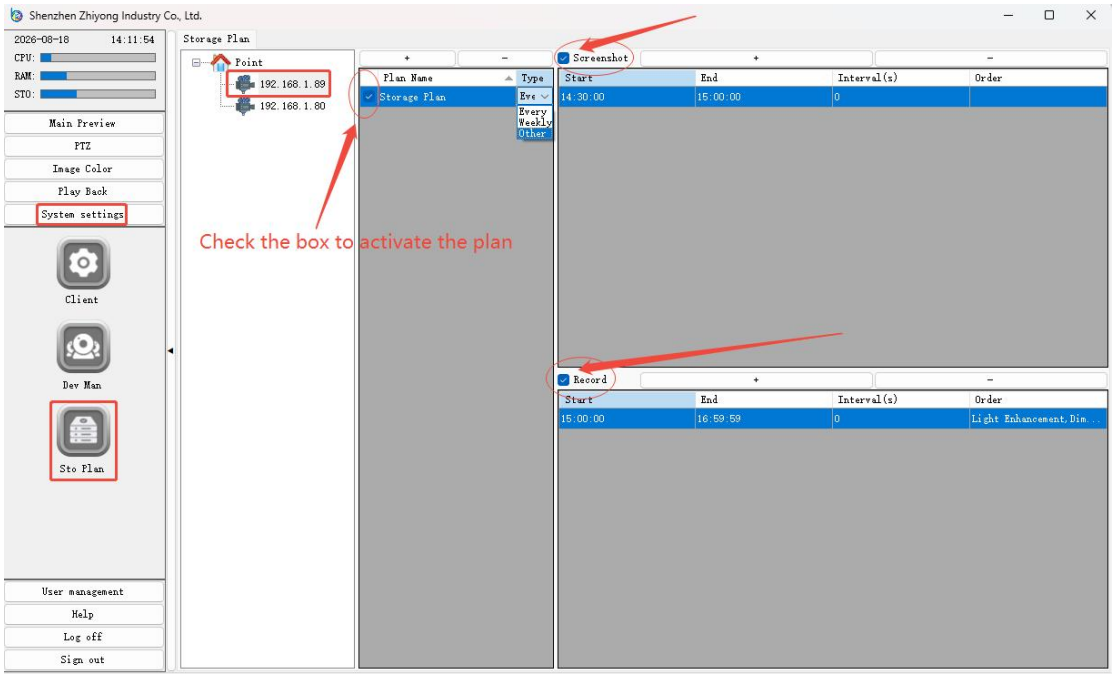
The picture format and quality of the network camera as well as the video recording settings can be configured.





There is also a special section for GPS customized models. For details, please contact the customer service for information.

4.7 Storage plan



First, successfully add the network camera and ensure that the camera is online.

Set up a storage plan for taking screenshots or recording videos at a daily/weekly/customized time.

After setting it up, be sure to check the "Plan Name" box to enable the plan storage.

Detailed operations can be viewed in the tutorial video.

4.8 User Management

The default username for the UWVMS software is "admin",
and the default password is "admin123456".

Users can create new accounts, modify passwords, and delete existing ones on their own.

4.9 Video tutorial&Download Center

Scan with your phone camera to vist:

Video tutorial

PC Software Download

Path: Home---Contact Us---Technical Support

Path: Home---Download Center

Webiste：https://barluscam.com/

After-sales-Technical Support

Fran：tech@barluscam.com

Note

It is for after-sales technical support. If you have any technical issues after purchasing, please reach out to this technician. For other product-related inquiries, please contact your sales representative.

sales representative:

Miya: zhangli@barluscam.com