

- Click  button to activate the settings.


6.4.3 Security

Configuring Authentication Security

Purpose:

You can specifically secure the stream data of live view.

Steps:

- Enter the Authentication interface:
Configuration > System > Security > Authentication
- Set the **RTSP Authentication/WEB Authentication** type from the dropdown list. Digest and digest/basic are selectable.
- Click  to save the settings.

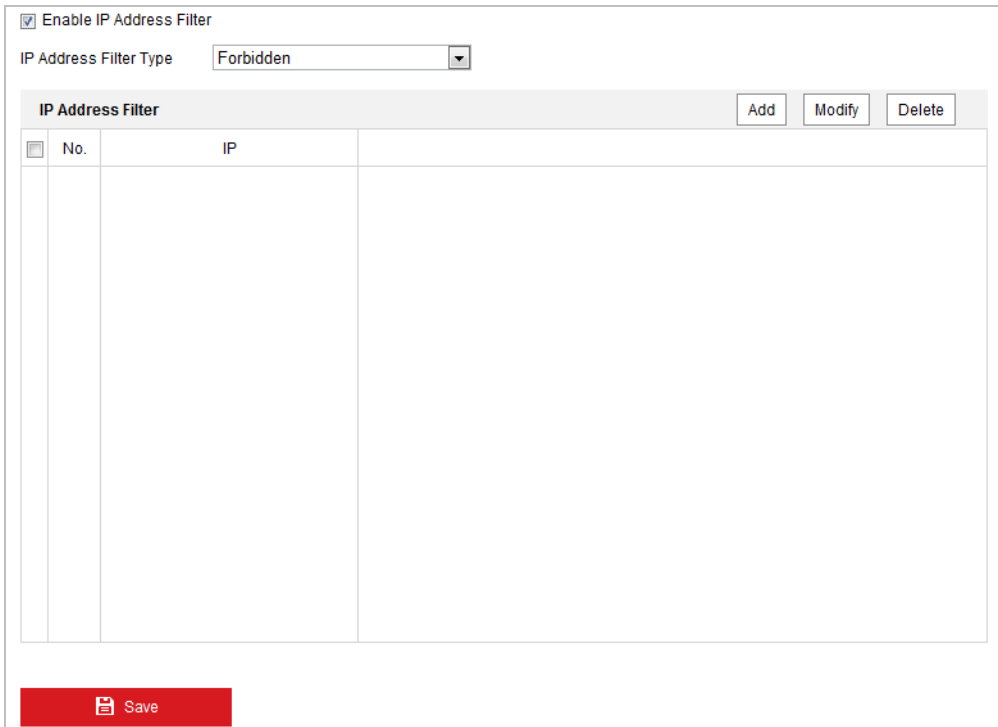
Configuring IP Address Filter

Purpose:

With this function on, the camera allows certain IP addresses whether to log in or not.

Steps:

- Enter IP Address Filter interface:
Configuration > System > Security > IP Address Filter



Enable IP Address Filter

IP Address Filter Type: Forbidden

IP Address Filter		Add	Modify	Delete
<input type="checkbox"/>	No.	IP		




Figure 6-52 IP Address Filter

- Check the checkbox of **Enable IP Address Filter**.
- Select the type of IP Address Filter in the dropdown list, Forbidden and Allowed are

selectable.

4. Set the IP Address Filter list.

- **Add an IP Address**

Steps:

- (1) Click **Add** to add an IP.
- (2) Input the IP Address.



Figure 6-53 Add an IP

- (3) Click **OK** to finish adding.

- **Modify an IP Address**

Steps:

- (1) Left-click an IP address from filter list and click **Modify**.
- (2) Modify the IP address in the text filed.

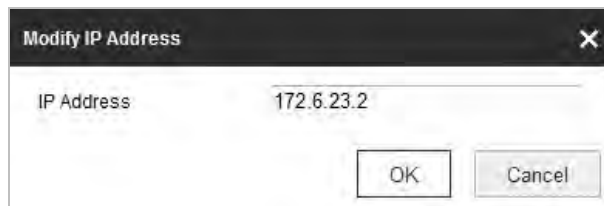


Figure 6-54 Modify an IP

- (3) Click **OK** to finish modifying.

- **Delete an IP Address**

Left-click an IP address from filter list and click **Delete**.

- **Delete all IP Addresses**

Click **Clear** to delete all the IP addresses.

5. Click  to save the settings.

Configure Security Service Settings

Steps:

1. Enter the Security Service interface:

Configuration > System > Security > Security Service

2. Check the checkbox to enable the Illegal Login Lock function.

Illegal Login Lock: Enabling illegal login lock function is to automatically lock the device IP after the admin user performing 7 failed password attempts (5 attempts for the user/operator).

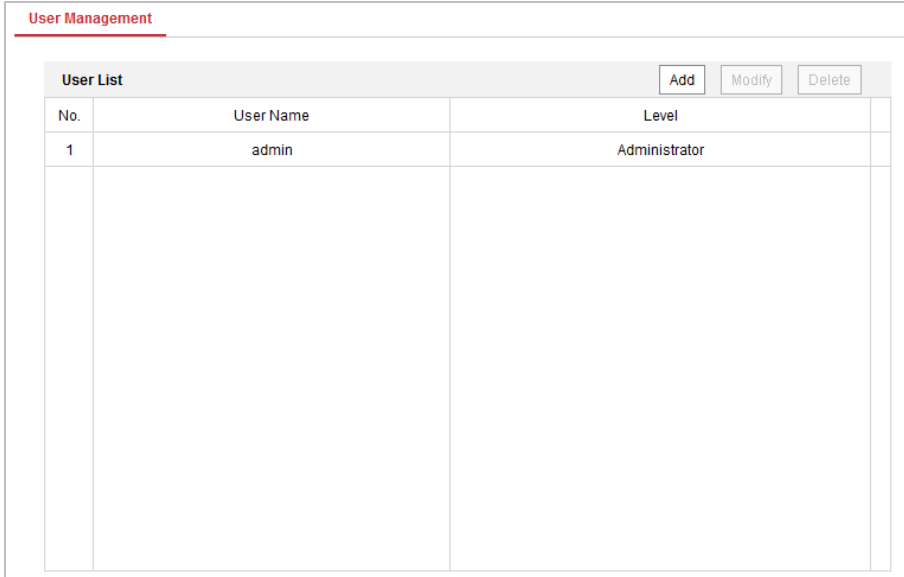
3. Click  to save the settings.

6.4.4 User Management

Enter the User Management interface:

Configuration > System > User Management

The **admin** user has access to create, modify or delete other accounts. Up to 32 user accounts can be created.




User Management		
User List		
No.	User Name	Level
1	admin	Administrator

Figure 6-55 User Information

● Add a User

Steps:

1. Click  to add a user.
2. Input the new **User Name**, select **Level** and input **Password**.



- For your privacy and to better protect your system against security risks, we strongly recommend the use of strong passwords for all functions and network devices. The password should be something of your own choosing (Using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters.) in order to increase the security of your product.
- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.



The level indicates the permissions you give to the user. You can define the user as **Operator** or **User**.

3. In the **Basic Permission** field and **Camera Configuration** field, you can check or uncheck the

permissions for the new user.

4. Click to finish the user addition.

The screenshot shows the 'Add user' dialog box. The 'User Name' field contains 'user1'. The 'Level' dropdown is set to 'Operator'. The 'Password' field is filled with dots, and a strength indicator below it shows a green bar and the word 'Strong'. The 'Confirm' field is also filled with dots. Below the password fields is a list of permissions with checkboxes. The 'Remote: Log Search / Interrogate Wo...' and 'Remote: Two-way Audio' options are checked. The 'OK' and 'Cancel' buttons are at the bottom right.

Figure 6-56 Add a User

● Modify a User

Steps:

1. Left-click to select the user from the list and click .
2. Modify the **User Name**, **Level** or **Password**.
3. In the **Basic Permission** field and **Camera Configuration** field, you can check or uncheck the permissions.
4. Click to finish the user modification.

Modify user

User Name: user1

Level: Operator

Password: ●●●●●●

Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.

Confirm: ●●●●●●

- Select All
- Remote: Parameters Settings
- Remote: Log Search / Interrogate Wo...
- Remote: Upgrade / Format
- Remote: Two-way Audio
- Remote: Shutdown / Reboot
- Remote: Notify Surveillance Center /...
- Remote: Video Output Control
- Remote: Serial Port Control
- Remote: Live View
- Remote: Manual Record
- Remote: PTZ Control
- Remote: Playback

OK Cancel

Figure 6-57 Modify a User

● Delete a User

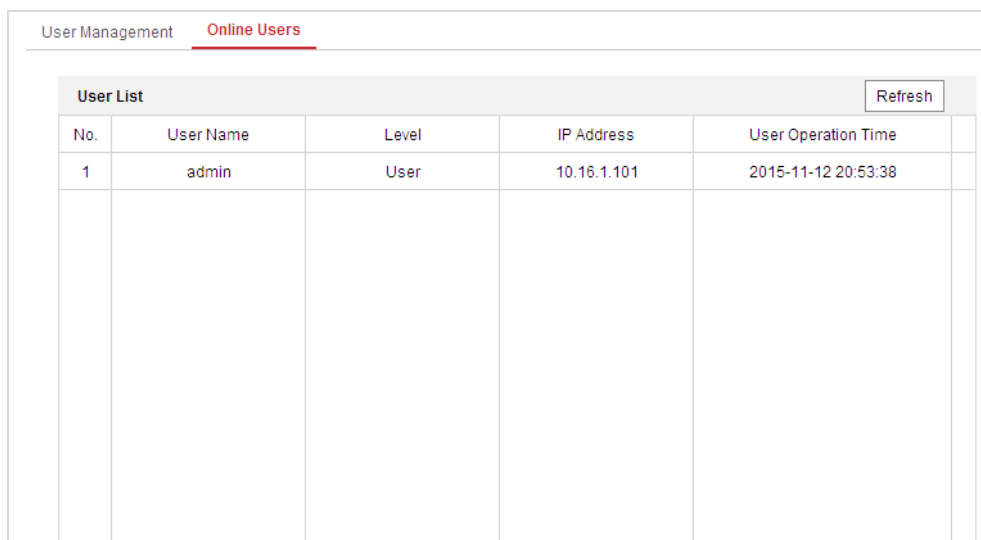
Steps:

1. Left-click the user name you want to delete and click .
2. Click on the pop-up dialogue box to delete the user.

Online Users

Enter the Online Users configuration interface:

Configuration > System > User Management > Online Users



The screenshot shows a web interface for 'User Management' with a sub-tab for 'Online Users'. Below the navigation bar is a table titled 'User List' with a 'Refresh' button in the top right corner. The table has five columns: 'No.', 'User Name', 'Level', 'IP Address', and 'User Operation Time'. One row is visible with the following data: No. 1, User Name 'admin', Level 'User', IP Address '10.16.1.101', and User Operation Time '2015-11-12 20:53:38'.

User List					Refresh
No.	User Name	Level	IP Address	User Operation Time	
1	admin	User	10.16.1.101	2015-11-12 20:53:38	

Figure 6-58 Online Users

You can see the current users who are visiting the device through this interface.

User information, such as user name, level, IP address, and operation time, is displayed in the User List. Click **Refresh** to refresh the list.

Appendix

SADP Software Introduction

● Description of SADP

SADP (Search Active Devices Protocol) is a kind of user-friendly and installation-free online device search tool. It searches the active online devices within your subnet and displays the information of the devices. You can also modify the basic network information of the devices using this software.

● Search active devices online

◆ Search online devices automatically

After launch the SADP software, it automatically searches the online devices every 15 seconds from the subnet where your computer locates. It displays the total number and information of the searched devices in the Online Devices interface. Device information including the device type, IP address and port number, etc. will be displayed.

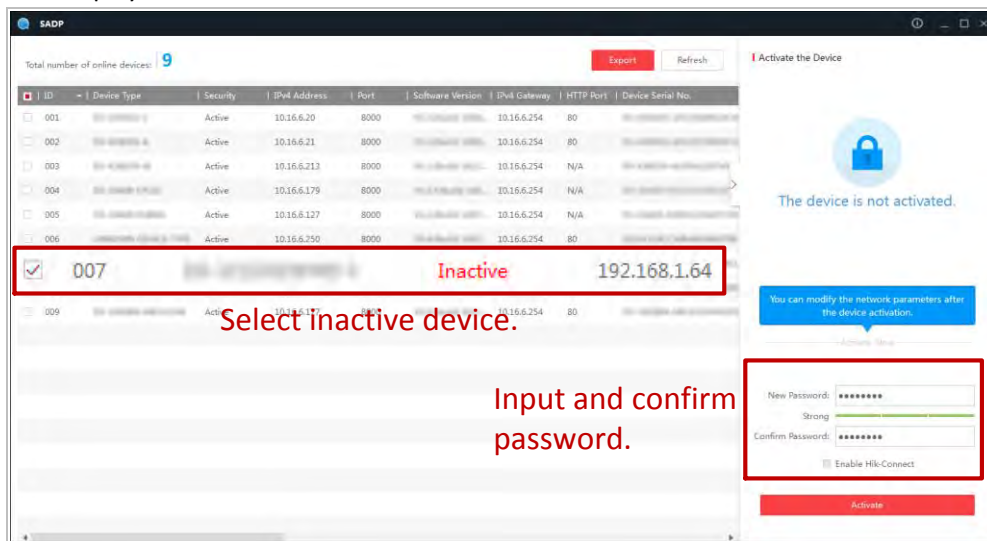
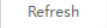


Figure A.1.1 Searching Online Devices







Device can be searched and displayed in the list in 15 seconds after it went online; it will be removed from the list in 45 seconds after it went offline.

◆ Search online devices manually

You can also click  to refresh the online device list manually. The newly searched devices will be added to the list.



You can click  or  on each column heading to order the information; you can

click  to expand the device table and hide the network parameter panel on the right side, or click  to show the network parameter panel.

● **Modify network parameters**

Steps:

1. Select the device to be modified in the device list and the network parameters of the device will be displayed in the **Modify Network Parameters** panel on the right side.
2. Edit the modifiable network parameters, e.g. IP address and port number.
3. Enter the password of the admin account of the device in the **Password** field and click

 Modify

to save the changes.



- *For your privacy and to better protect your system against security risks, we strongly recommend the use of strong passwords for all functions and network devices. The password should be something of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers and special characters) in order to increase the security of your product.*
- *Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.*

Modify Network Parameters

Enable DHCP

Device Serial No.:

IP Address:

Port:

Subnet Mask:

Gateway:

IPv6 Address:

IPv6 Gateway:

IPv6 Prefix Length:

HTTP Port:

Security Verification

Admin Password:

[Forgot Password](#)

Figure A.1.2 Modify Network Parameters



Figure 1. World map showing the distribution of various species across the continents.

The map shows a high density of species in North America and Europe, with a significant concentration of mammals and birds in these regions.

South America and Africa also show high densities of mammals and birds.

The map also shows a high density of plants in North America and Europe, and a high density of invertebrates in the tropics.

The map is a world map showing the distribution of various species across the continents.

The map is color-coded to represent different species groups, with a legend on the right side.

The legend includes: 'Mammals' (dark blue), 'Birds' (light blue), 'Reptiles' (yellow), 'Amphibians' (orange), 'Fish' (green), 'Invertebrates' (purple), and 'Plants' (red).

The map shows a high density of species in North America and Europe, with a significant concentration of mammals and birds in these regions.

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