

The background features a stylized, semi-circular graphic with concentric, overlapping bands in shades of grey and white. On the left side, there are several horizontal rows of red dashed lines, resembling a scale or data visualization. In the center-right, there is a red circular area with a white target symbol consisting of concentric circles and a central dot. A vertical white line passes through the center of the target, and a horizontal white line passes through the center of the red circle.

**HIKVISION**

# **Blazer Express Web Client**

**User Manual**

UD03211B

## **User Manual**

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## **About this Manual**

This Manual is applicable to Blazer Express Web Client.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (<http://overseas.hikvision.com/en/>).

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# Contents

|           |   |    |
|-----------|---|----|
| Chapter 1 | Overview.....                                   | 6  |
| 1.1       | About This Document.....                        | 6  |
| 1.2       | Introduction to Blazer Express.....             | 6  |
| 1.3       | Administrator Right .....                       | 7  |
| Chapter 2 | Accessing Blazer Express .....                  | 8  |
| 2.1       | Login via Web Client .....                      | 8  |
| 2.2       | Function Modules.....                           | 11 |
| 2.3       | Quick Start .....                               | 12 |
| 2.4       | Maintenance.....                                | 13 |
| Chapter 3 | Resource Management.....                        | 15 |
| 3.1       | Adding the Devices .....                        | 15 |
| 3.1.1     | Creating the Password.....                      | 16 |
| 3.1.2     | Adding Online Device .....                      | 17 |
| 3.1.3     | Adding Devices by IP Address .....              | 20 |
| 3.1.4     | Adding Devices by IP Segment .....              | 22 |
| 3.1.5     | Adding Devices in Batch .....                   | 23 |
| 3.2       | Local Storage .....                             | 23 |
| 3.2.1     | Managing the Hard Disks and Network Disks ..... | 24 |
| 3.2.2     | Adding the Network Disks.....                   | 28 |
| 3.3       | Area Management.....                            | 31 |
| Chapter 4 | Recording Settings .....                        | 36 |
| 4.1       | Configuring Recording Settings.....             | 36 |
| 4.2       | Configuring Recording Schedule Template .....   | 38 |
| Chapter 5 | Event and Alarm Settings.....                   | 40 |
| 5.1       | Configuring Event .....                         | 40 |
| 5.2       | Configuring Alarm.....                          | 41 |
| 5.3       | Setting Email Template .....                    | 45 |
| 5.3.1     | Enable IMAP for Gmail .....                     | 47 |
| 5.4       | Configuring Arming Schedule Template .....      | 47 |
| Chapter 6 | Map Management .....                            | 49 |
| 6.1       | Adding Map .....                                | 49 |
| 6.2       | Adding Hot Spot .....                           | 50 |
| 6.3       | Adding Hot Region.....                          | 51 |
| 6.4       | Icon Settings .....                             | 52 |
| Chapter 7 | Vehicle Management.....                         | 53 |
| 7.1       | Adding Vehicle List.....                        | 53 |
| 7.2       | Adding Vehicle Information .....                | 54 |
| 7.2.1     | Manually Add Vehicle Information.....           | 54 |
| 7.2.2     | Import Vehicle Information .....                | 54 |
| Chapter 8 | Role and User Management .....                  | 56 |
| 8.1       | Role Management .....                           | 56 |
| 8.2       | User Management .....                           | 58 |

|                       |                           |    |
|-----------------------|---------------------------|----|
| Chapter 9             | Security .....            | 61 |
| Chapter 10            | System Configuration..... | 62 |
| 10.1                  | System Properties.....    | 62 |
| 10.2                  | WAN Access .....          | 62 |
| 10.3                  | NTP Settings.....         | 63 |
| 10.4                  | HiDDNS Settings .....     | 64 |
| Chapter 11            | Camera Viewer .....       | 65 |
| 11.1                  | Live View.....            | 65 |
| 11.2                  | Playback.....             | 67 |
| 11.3                  | Local Configuration.....  | 68 |
| Appendix.....         |                           | 70 |
| Important Ports ..... |                           | 70 |

# Chapter 1 Overview

## 1.1 About This Document

This user manual is intended for the administrator of the Blazer Express. It guides you to establish and configure the surveillance system. Follow this manual for configuration and maintenance of Blazer Express, and settings of the surveillance task via the provided Web Client, etc. To ensure the properness of usage and stability of the Blazer Express, please refer to the contents below and read the manual carefully before operation.

## 1.2 Introduction to Blazer Express

Blazer Express is an intelligent video management software station that comes pre-installed with an operating system and outstanding iVMS, and can support up to 16 or 32 network cameras. With flexible features and included storage space (optional), Blazer Express offers you an efficient and easy one-stop solution for video surveillance implementation, for applications from a small retail store to a complex surveillance installation with multiple sites.

The complete Blazer Express contains the following modules:

**Note:** Some modules are available if you purchase the corresponding License. Please contact our sales for detailed information.

| Module                               | Introduction   |
|--------------------------------------|--|
| VSM (Video Surveillance Management): | <ul style="list-style-type: none"> <li>• Provide the unified authentication service for connecting with the clients and servers.</li> <li>• Provide the centralized management for the users, roles, permissions, devices, and servers.</li> <li>• Provide the configuration interface for surveillance and management module.</li> <li>• Provide the log management and statistics function.</li> </ul> |

The following table shows the provided clients for accessing or management the Blazer Express.

| Client  | Introduction  |
|---|---|
| Control Client:<br>For detailed installation and operation, please refer to the <i>User Manual of Blazer Express Control Client</i> . | Blazer Express Control Client is a C/S software which provides multiple operating functionalities, including real-time live view, PTZ control, video playback and download, alarm receiving, log query, and so on.  |
| Web Client:<br>For detailed running environment for Web Client, please refer to <i>Chapter 2.1 Login via Web Client</i> .             | Blazer Express Web Client is a B/S client for management of Blazer Express. It provides multiple functionalities, including device management, record schedule settings, event configuration, user management, and other functions, for the Blazer Express to manage the connected devices. |
| Mobile Client:<br>For detailed installation and   | The Blazer Express Mobile Client is the mobile client software designed for getting access to the Blazer Express via Wi-Fi, 3G and  |

|  |  |
|--|--|
| configuration, please refer to the <i>User Manual of Mobile Client</i> . | 4G networks with mobile device, it fulfills the functions of the devices connected to the Blazer Express, such as live view, remote playback, PTZ control and so on. |
|--|--|

## 1.3 Administrator Right

When you install and run the server modules, clients and software, it is important that you have administrator rights on the PCs or servers that should run these components. Otherwise, you cannot configure the Blazer Express.

Consult your IT system administrator if in doubt about your rights.

# Chapter 2 Accessing Blazer Express

## 2.1 Login via Web Client

### Recommended Running Environment

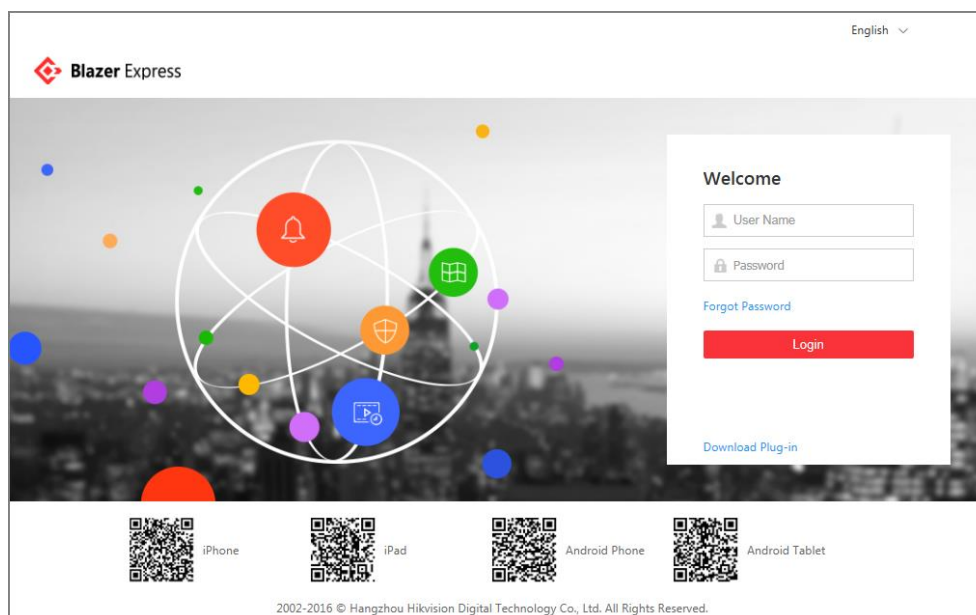
- **CPU:** Intel(R) Core(TM) i3-4150 @3.50 GHz and above
- **Memory:** 4 GB and above
- **Video Card:** Inter(R) HD Graphics 4400 and above
- **Web Browser:** Internet Explorer 10/11 (32-bit)

#### Steps:

1. In the address bar of the web browser, input the address of the Blazer Express and press the **Enter** key. A login page will pop up.

**Note:** The address is in the format of `http://Blazer Express IP address`.

**Example:** If the IP address of Blazer Express is `172.6.21.96`, and you should enter `http://172.6.21.96` in the address bar.



2. For the first time to login, you should install the plug-in before you can access the functions.
  - I. Click **Download Plug-in**, save the plug-in file and then close the web browser.
  - II. Install the plug-in according to the prompt.
  - III. After the installation, re-open the web browser and log into the Blazer Express (step 1).
3. Input the user name and password of Blazer Express and click **Login**.

#### Notes:

- The default user is *admin* and no default password is set for *admin* user.
  - For the first login of *admin* user, the password field is required and you can input any characters.
4. In the pop-up window, input the new password and confirm password, and click **Save** to change the password.



**Notes:**

- When other users (except *admin* user) first log in to Blazer Express, he / she should input the initial password (*Abc123*), new password and confirm password, and click **Save** to change the password.

- If your password has been reset, you should log in with initial password (*Abc123*) and then change your password for login (see step 3-4 for details). For resetting the password, refer to *Chapter 8.2 User Management*.

- If your password has expired, you will be asked to change your password when login. For detailed settings of maximum password age, refer to *Chapter 9 Security Settings*.

- If your password strength is lower than the required minimum strength, you will be asked to change your password when login. For detailed settings of minimum password strength, refer to *Chapter 9 Security Settings*.



- *The password strength can be checked by the system. For your privacy, you must set the password to 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.*
5. Input the user name and new password, and click **Login**.

**Notes:**

- If failed password attempt of current user is detected, you are required to input the verification code before you can log in. The failed password attempt from current client, other client and other address will all require the verification code.
- The failed password attempt and verification code attempt from current client, other client (e.g., Control Client) and other address will all be accumulated. Your IP address will be locked for a specified period of time after specific number of failed password or verification code attempts. For detailed settings of failed login attempts and locking duration, refer to *Chapter 9 Security Settings*.
- The account will be frozen for 30 minutes after 5 failed password attempts. The failed password attempt from current client, other client (e.g., Control Client) and other

address will all be accumulated.

- If you have updated your Blazer Express, you may need to clear the cache of your web browser to display the Web Client page properly. Consult your IT system administrator if you do not know how to clear the cache.

If you forgot the password of the system, click **Forgot Password**, input your user name and click **Generate** to get the encrypted string. Remember the encrypted string in the pop-up dialog. Contact your dealer and send the encrypted string to her or him to retrieve your password.

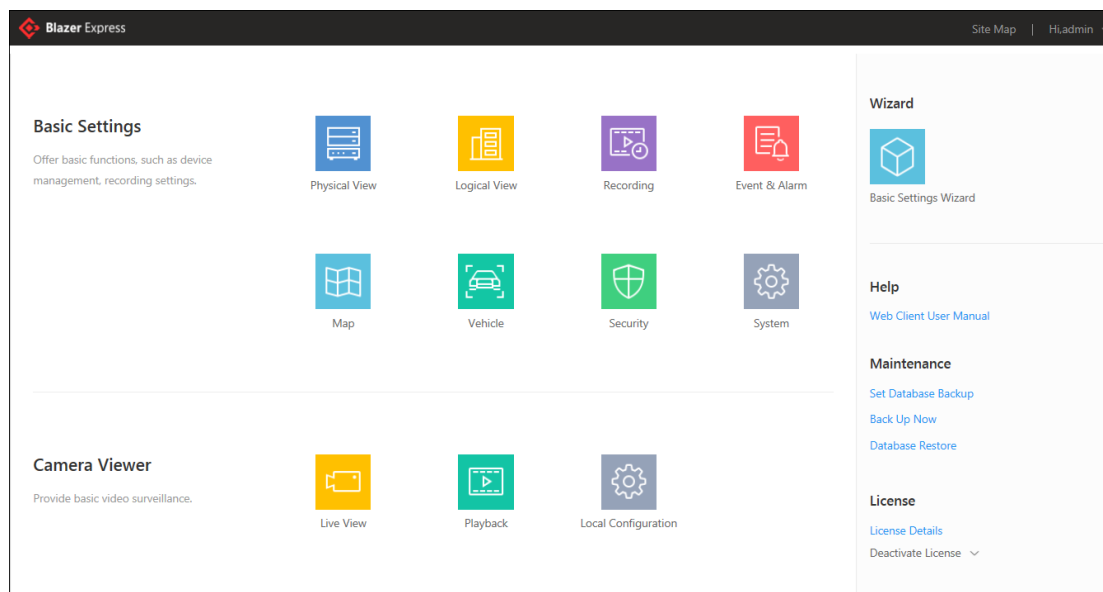
**Note:** This function is only available for admin user. For other users, contact the admin user to reset the password and then change the password for login.

The QR code for downloading the Mobile Client is also available on the login interface. Scan the corresponding QR code with your mobile terminal to download the Mobile Client. For detailed introduction about the Mobile Client, refer to the *User Manual of Blazer Express Mobile Client*.

## 2.2 Function Modules

After successfully logging in, you enter the home page of Blazer Express Web Client.

**Note:** The displayed modules on the home page vary with the License you purchased. For detailed information, please contact our technical support engineers.



The Web Client is composed of the following function modules:

|                       |   |
|-----------------------|---|
| <b>Basic Settings</b> | You can add device to Blazer Express and set the recording schedule, event configuration, alarm setting, and user management, etc.  |
| <b>Camera Viewer</b>  | It provides the functionalities of live view, playback, and local configuration.<br><b>Note:</b> The Camera Viewer module is not available for the Web Client running via Blazer Express.                   |
| <b>Wizards</b>        | The start wizard can guide you to go through the basic settings, including adding encoding devices, setting the recording schedule, configuring the event parameters and managing the users for the system. |
| <b>Help</b>           | View the user manual for the detailed settings of the Web Client.   |

|                    |   |
|--------------------|---|
| <b>Maintenance</b> | <ul style="list-style-type: none"> <li>• Your data can be well protected and recovered when an exception occurs by setting the database backup.</li> <li>• Restore the system from the database backup file.</li> </ul> |
| <b>License</b>     | Check the information of the License. By default, the License is activated  |


You can achieve the following functions in the upper-right corner of the main page:

- Click **Site Map** to check the overview of the system.
- Click your login name and select **Change Password** to change the password.
- Click your login name and select **License** to view the License information.
- Click your login name and select **About** to check the version information of the Blazer Express.
- Click your login name and select **Logout** to log out.

## 2.3 Quick Start

### **Purpose:**

The wizard can guide you to go through the basic operations of the Blazer Express, including adding encoding devices, setting the recording schedule, configuring the event parameters and managing the users.

Click  to enter the Start Wizard page.

### **Device**

You can add the active online encoding devices in the same local subnet with the Web Client, add the devices by IP address, add the cameras by IP segment or import cameras in batch.

Please refer to *Chapter 3.1 Adding the Devices* for detailed configuration.

### **Recording**

When there are HDDs available, you can set the recording schedule of the cameras for the continuous, or event triggered recording.

Please refer to *Chapter 4 Recording Settings* for detailed configuration.

### **Event**

The detected events can be configured with linkage actions for notification. For example, when motion is detected, you will receive an email for event notification.

Please refer to *Chapter 5 Event and Alarm Settings* for detailed configuration.

### **User**

Multiple user accounts can be added to the Blazer Express for accessing the station through Web Client, Control Client or Mobile Client, and you are allowed to assign different roles for different users. The roles can be specified with different permissions.

Please refer to *Chapter 8 Role and User Management* for detailed configuration.

## 2.4 Maintenance

### **Purpose:**

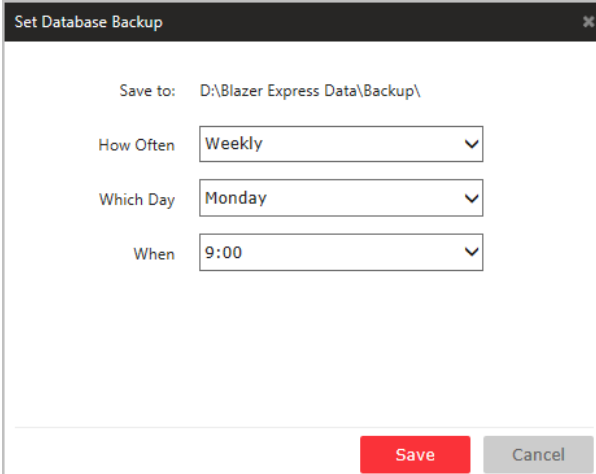
Blazer Express provides backup of the database, so that your data can be well protected and recovered when an exception occurs.

### **Setting the Database Backup**

You can click **Back Up Now** to perform the database backup immediately, or configure the schedule to run the database backup task regularly.

### **Steps:**

1. On the home page, click **Set Database Backup**.
2. Select how often to back up the database. If you select weekly or monthly for running the backup task, please select which day to run. Select what time of the day to start backup.



The screenshot shows a dialog box titled "Set Database Backup". It contains the following fields and options:

- Save to: D:\Blazer Express Data\Backup\
- How Often: Weekly (dropdown menu)
- Which Day: Monday (dropdown menu)
- When: 9:00 (dropdown menu)

At the bottom right, there are two buttons: "Save" (highlighted in red) and "Cancel".

3. Click **Save** to save the settings.

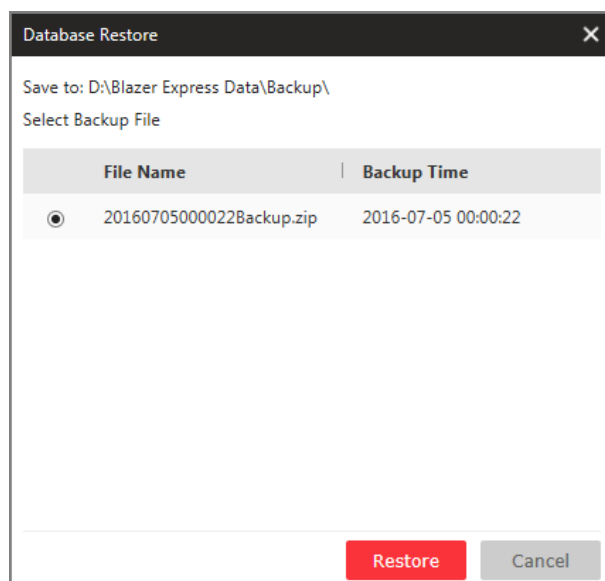
### **Restoring the Database**

When an exception occurs, you can restore the database if you have backed up the database.

**Note:** Database recovery will restore the database to an earlier state. Thus, the data added after that state will be lost.

### **Steps:**

1. On the home page, click **Database Restore**.
2. Select a backup file to restore the database to an earlier state.



3. Click **Restore** to confirm the database recovery.  
After restoring the database, you should reboot the Blazer Express and log in again via the Web Client.

# Chapter 3 Resource Management

## Purpose:

Before you can live view, play back via the Control Client or set recording schedule, event configuration via Web Client, you need to add network cameras or encoders to the Blazer Express and manage them by areas. You can also add devices via the *Chapter 2.3 Quick Start*. Click **Physical View** to open the resource management page.

| Alias                | IP Address    | Serial No.                 | Available Cam. | Alarm I/O | Network Status | Password | Operation |
|----------------------|---------------|----------------------------|----------------|-----------|----------------|----------|-----------|
| speed dome           | 10.16.6.250   | 20141119CCWR490340679B     | 1              | 7/2       | Online         | Strong   |           |
| 10.18.130.111-Motion | 10.18.130.111 | Simulator                  | 2              | 17/65     | Online         | Risky    |           |
| 10.18.130.111-ANPR   | 10.18.130.111 | Simulator                  | 2              | 17/65     | Online         | Risky    |           |
| 10.18.130.117        | 10.18.130.117 | iDS-2CD6124FWD-I/H20140812 | 1              | 1/1       | Online         | Strong   |           |

| IP Address  | Serial No.                     | Device Port | HTTP Port | Subnet Mask   | Gateway     | Security | Operation |
|-------------|--------------------------------|-------------|-----------|---------------|-------------|----------|-----------|
| 10.16.6.163 | DS-KH6310-A0120150529RR5202... | 8000        | 80        | 255.255.255.0 | 10.16.6.254 | Active   |           |
| 10.16.6.250 | 20141119CCWR490340679B         | 8000        | 80        | 255.255.255.0 | 10.16.6.254 | Active   |           |
| 10.16.6.203 | DS-PEA01-B0120160322AACH585... | 8000        | 0         | 255.255.255.0 | 10.16.6.254 | Active   |           |
| 10.16.6.36  | DS-K1T300MF-C20160710V01010... | 8000        | 80        | 255.255.255.0 | 10.16.6.254 | Active   |           |

- **Encoding Device:** Add, edit and delete the devices (network cameras and encoders).
- **Local Storage:** Manage the connected HDDs of Blazer Express and allocate the storage space to the added cameras.

## 3.1 Adding the Devices

### Purpose:

You can add the devices (network cameras and encoders) to the system for live view, video recording, event settings, etc.

You can add the device in the following ways:

- By detecting the online devices, refer to *Chapter 3.1.2 Adding Online Devices*.
- By specifying the device IP address, refer to *Chapter 3.1.3 Adding Devices by IP Address*.
- By specifying an IP segment, refer to *Chapter 3.1.4 Adding Devices by IP Segment*.
- By importing device in batch, refer to *Chapter 3.1.5 Adding Devices in Batch*.

The devices will be displayed on the device list for management after added.

You can also input the device name in the filter field for search.

Click the **Alias** field of the device and you can edit or get the information of the device.

Select the device(s) from the list and click **Delete** to remove the selected device(s).

Click and you can set the remote configurations of the corresponding device if needed. For detailed operation steps for the remote configuration, please refer to the user manual of the device.

In the device list, you can click the column name (except Operation) to sort the devices in ascending or descending order.

### 3.1.1 Creating the Password

**Purpose:**

For some devices, you are required to create the password to activate them before they can be added to the Blazer Express and work properly.

**Note:** This function should be supported by the device.

**Steps:**

1. Click the **Physical View**.
2. Click **Encoding Device**, and view the device status (shown on **Security** column) on the Online Device area.

| Online Device            |              |                               |             |           |               |             |          |            |   |
|--------------------------|--------------|-------------------------------|-------------|-----------|---------------|-------------|----------|------------|---|
| + Add to Device List     |              |                               |             |           |               |             |          | IP Address | Q |
| <input type="checkbox"/> | IP Address   | Serial No.                    | Device Port | HTTP Port | Subnet Mask   | Gateway     | Security | Operation  |   |
| <input type="checkbox"/> | 10.16.6.163  | DS-KH6310-A0120150529RR520... | 8000        | 80        | 255.255.255.0 | 10.16.6.254 | Active   |            |   |
| <input type="checkbox"/> | 192.168.1.64 | 20141119CCWR490340679B        | 8000        | 80        | 255.255.255.0 | 192.168.1.1 | Inactive |            |   |
| <input type="checkbox"/> | 10.16.6.203  | DS-PEA01-80120160322AACH5...  | 8000        | 0         | 255.255.255.0 | 10.16.6.254 | Active   |            |   |
| <input type="checkbox"/> | 10.16.6.36   | DS-K1T300MF-C20160710V010...  | 8000        | 80        | 255.255.255.0 | 10.16.6.254 | Active   |            |   |

3. Click **Inactive** on **Security** column of the inactive device to pop up the activation dialog.

Activate Encoding Device
✕

User Name admin

Password

—————

Confirm Password


4. Create a password in the password field, and confirm the password.






**Strong Password Recommended**– We highly recommend you create a strong password 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. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

5. Click **OK** to create the password for the device. A “Operation completed.” window pops up when the password is set successfully.



6. Click  on the Operation column of the device to edit the network information of it.

|              |                        |      |    |               |             |          |   |   |
|--------------|------------------------|------|----|---------------|-------------|----------|---|---|
| 192.168.1.64 | 20141119CCWR4903406798 | 8000 | 80 | 255.255.255.0 | 192.168.1.1 | Inactive |  |  |
|--------------|------------------------|------|----|---------------|-------------|----------|---|---|

7. Change the device IP address to the same LAN with Blazer Express if you need to add the device to Blazer Express.
8. Click  and input the device's admin password (set in step 4) to finish editing the parameters.

### 3.1.2 Adding Online Device

#### **Purpose:**

The active online encoding devices in the same local subnet with the Web Client will be displayed on a list. You can input the key word of the device to search the corresponding cameras.

#### **Steps:**

1. Click the **Physical View**.
2. Click **Encoding Device** and check the checkbox of the device(s) to be added from the Online Device area.

**Note:** For the inactive device, you need to create the password for it before you can add it properly. For detailed steps, refer to *Chapter 3.1.1 Creating the Password*.

3. Click **Add to Device List** to open the camera adding dialog.
4. Input the required information.

#### **For adding one device:**

Add Online Device
✕

#### Basic Information

\*Device Address

\*Device Port

\*Alias

\*User Name

\*Password

—————

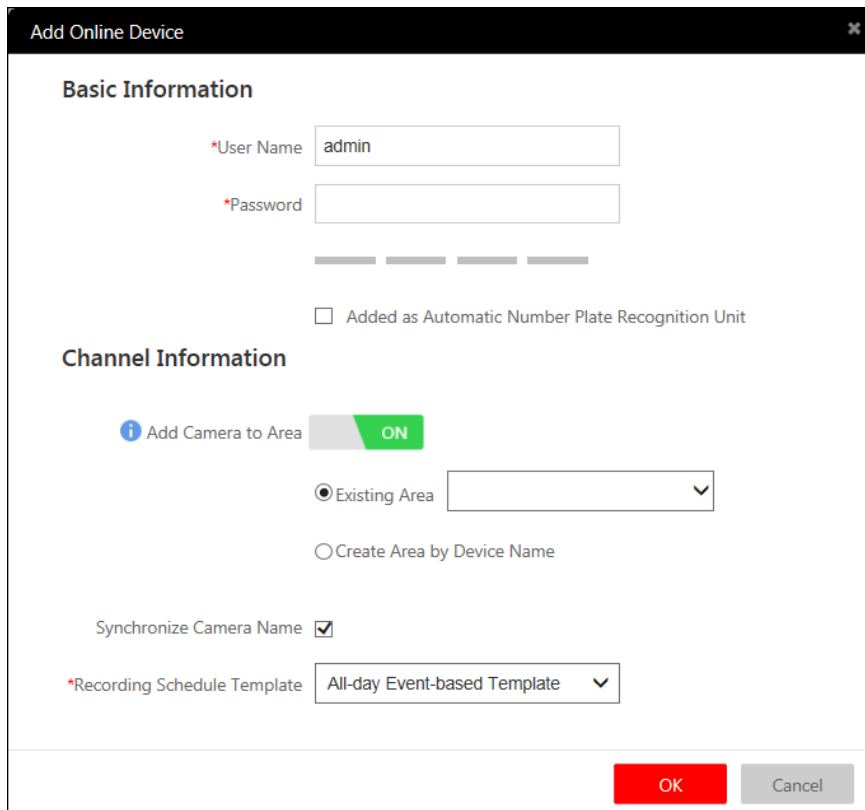
Added as Automatic Number Plate Recognition Unit

#### Channel Information

- **Device Address:** Input the IP address of the device. The IP address of the device is obtained automatically in this adding mode.
- **Device Port:** Input the device port No. The port is obtained automatically in this adding mode.
- **Alias:** Edit a name for the device as desired.
- **User Name:** Input the user name of the device. The default user name is *admin*.

- **Password:** Input the password of the device.  
**Note:** The password strength of the device can be checked by the system. For your privacy, we strongly recommend changing the password to 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.
- If the added device is an automatic number plate recognition (ANPR) camera, you can check **Added as Automatic Number Plate Recognition Unit** checkbox.  
**Note:** Up to four cameras can be added as ANPR unit for viewing the license plate and vehicle information recognized by the camera via Control Client (for details, refer to *User Manual of Blazer Express Control Client*).
- Set the **Add Camera to Area** switch as ON to export the cameras of the added devices to an area. You can select an existing area (you can also click **Add New** to add a new area) or create a new area by the device name.  
 After adding cameras to area, you can check **Synchronize Camera Name** checkbox to get the camera name from the device, select **Recording Schedule Template** to set the recording schedule for the device and the recording task will automatically perform according to schedule.  
**Note:** If you do not export cameras to area, you cannot perform the live view, playback, event settings, etc., for the cameras.

### For adding multiple devices:



- **User Name:** Input the user name of the device.
- **Password:** Input the password of the device.  
**Note:** The password strength of the devices can be checked by the system. For your privacy,

we strongly recommend changing the password to 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.

- If the added device is an automatic number plate recognition (ANPR) camera, you can check **Added as Automatic Number Plate Recognition Unit** checkbox.

**Note:** Up to four cameras can be added as ANPR unit for viewing the license plate and vehicle information recognized by the camera via Control Client (for details, refer to *User Manual of Blazer Express Control Client*).

- Set the **Add Camera to Area** switch as ON to export the cameras of the added devices to an area. You can select an existing area (you can also click **Add New** to add a new area) or create a new area by the device name.



**Note:** For adding multiple online devices, if you select to create area by device name, you will create multiple areas according to the device quantity.

After adding cameras to area, you can check **Synchronize Camera Name** checkbox to get the camera name from the devices, select **Recording Schedule Template** to set the recording schedule for the devices and the recording task will automatically perform according to schedule.

**Note:** If you do not export cameras to area, you cannot perform the live view, playback, event settings, etc., for the cameras.

5. Click **OK** to confirm adding the devices.

#### Edit Network Information

Click  on the Operation column of the device to edit the network information of it. Click  and input the device's admin password to confirm editing the parameters.

#### Restore Default Password

According to the different devices, the software provides two different methods for restoring the default password or resetting the password.

Click  on the Operation column of the device.

#### Option 1

If the window with security code field pops up, input the security code, and then you can restore the default password of the selected device.

**Note:** The security code is returned after you send the date and serial No. of the device to the manufacturer.



- *The default password (12345) for the Admin account is for first-time log-in purposes only. You must change this default password to better protect against security risks, such as the unauthorized access by others to the product that may prevent the product from functioning properly and/or lead to other undesirable consequences.*
- *For your privacy, we strongly recommend changing the password to 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.*

### **Option 2**

If the window with import file and export file buttons, password and confirm password field pops up, follow the steps below to reset the password:

1. Click **Export File** to save the device file on your PC.
2. Send the file to our technical engineers.
3. Click **Import File** and select the file received from the technical engineer.
4. Input new password in text fields of **Password** and **Confirm Password**.
5. Click **OK** to reset the password.

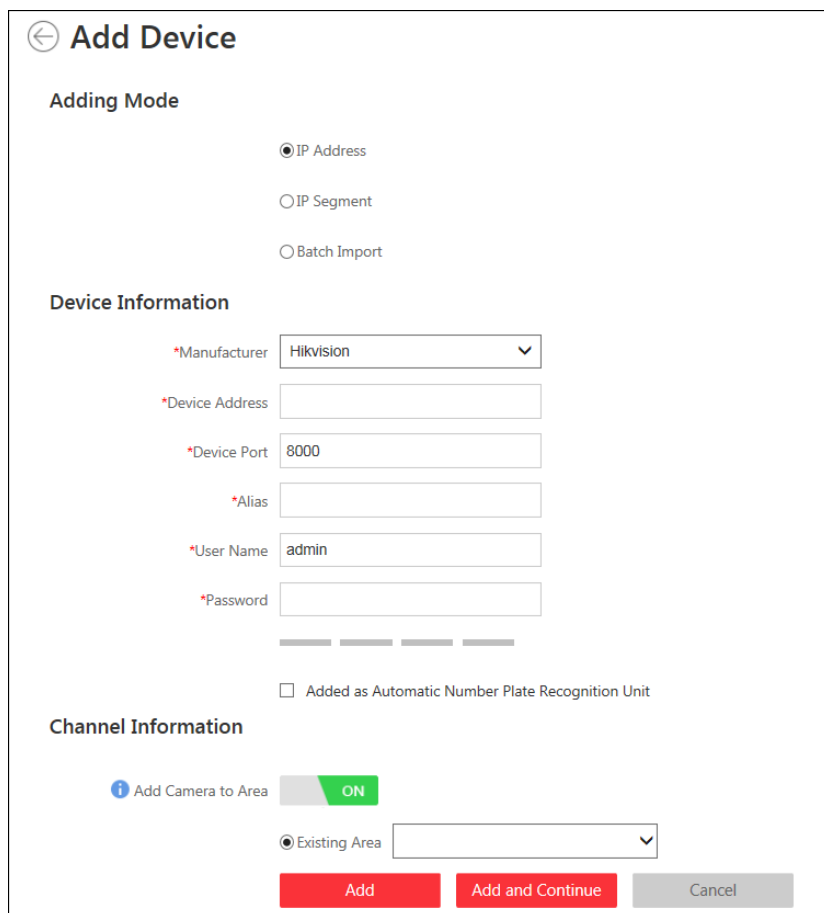


*The password strength of the device can be checked by the system. For your privacy, we strongly recommend changing the password to something of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.*

## **3.1.3 Adding Devices by IP Address**

### **Steps:**

1. Click the **Physical View**.
2. Click **Encoding Device** and click **Add** to enter the adding device page.
3. Select **IP Address** as the adding mode.



4. Input the required information.
  - **Manufacturer:** Select the manufacturer of the camera.
  - **Device Address:** Input the IP address of the camera.
  - **Device Port:** Input the port No. of the device. By default, it's 8000.
  - **Alias:** Edit a name for the camera as desired.
  - **User Name:** Input the user name of the camera.
  - **Password:** Input the password of the camera.
 

**Note:** The password strength of the camera can be checked by the system. For your privacy, we strongly recommend changing the password to 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.
5. If the added device is an automatic number plate recognition (ANPR) camera, you can check **Added as Automatic Number Plate Recognition Unit** checkbox.
 

**Note:** Up to four cameras can be added as ANPR unit for viewing the license plate and vehicle information recognized by the camera via Control Client (for details, refer to *User Manual of Blazer Express Control Client*).
6. Set the **Add Camera to Area** switch as ON to export the cameras of the added devices to an area. You can select an existing area (you can also click **Add New** to add a new area) or create a new area by the device name.
 

After adding cameras to area, you can check **Synchronize Camera Name** checkbox to get the camera name from the device, select **Recording Schedule Template** to set the recording schedule for the device and the recording task will automatically perform according to schedule.

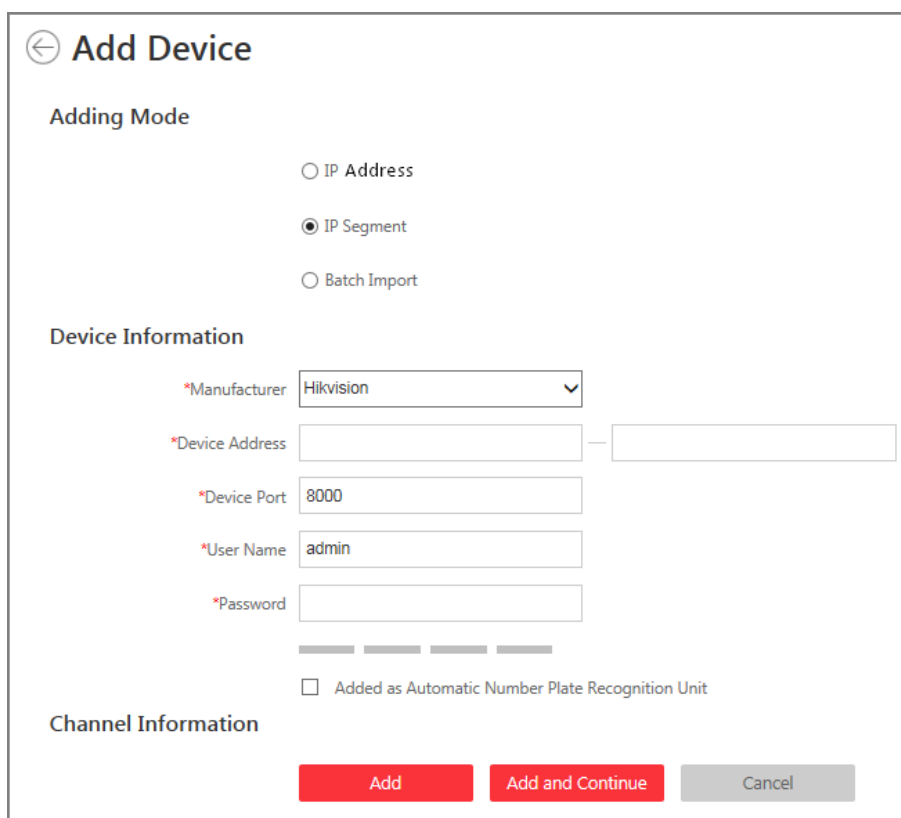
**Note:** If you do not export cameras to area, you cannot perform the live view, playback, event settings, etc., for the cameras.

7. Click **Add** to add the device and back to the device list page. You can also click **Add and Continue** to save the settings and continue to add other devices.

### 3.1.4 Adding Devices by IP Segment

**Steps:**

1. Click the **Physical View** tab.
2. Click **Encoding Device** and click **Add** to enter the adding device page.
3. Select **IP Segment** as the adding mode.



4. Input the required information.
  - **Manufacturer:** Select the manufacturer of the device.
  - **Device Address:** Input the start IP address and end IP address of the IP segment.
  - **Device Port:** Input the port No. of the devices. By default, it's 8000.
  - **User Name:** Input the user name of the devices.
  - **Password:** Input the password of the devices.

**Note:** The password strength of the devices can be checked by the system. For your privacy, we strongly recommend changing the password to 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.
5. If the added device is an automatic number plate recognition (ANPR) camera, you can check **Added as Automatic Number Plate Recognition Unit** checkbox.

**Note:** Up to four cameras can be added as ANPR unit for viewing the license plate and vehicle

information recognized by the camera via Control Client (for details, refer to *User Manual of Blazer Express Control Client*).

- Set the **Add Camera to Area** switch as ON to export the cameras of the added devices to an area. You can select an existing area (you can also click **Add New** to add a new area) or create a new area by the device name.

After adding cameras to area, you can check **Synchronize Camera Name** checkbox to get the camera name from the device, select **Recording Schedule Template** to set the recording schedule for the device and the recording task will automatically perform according to schedule.

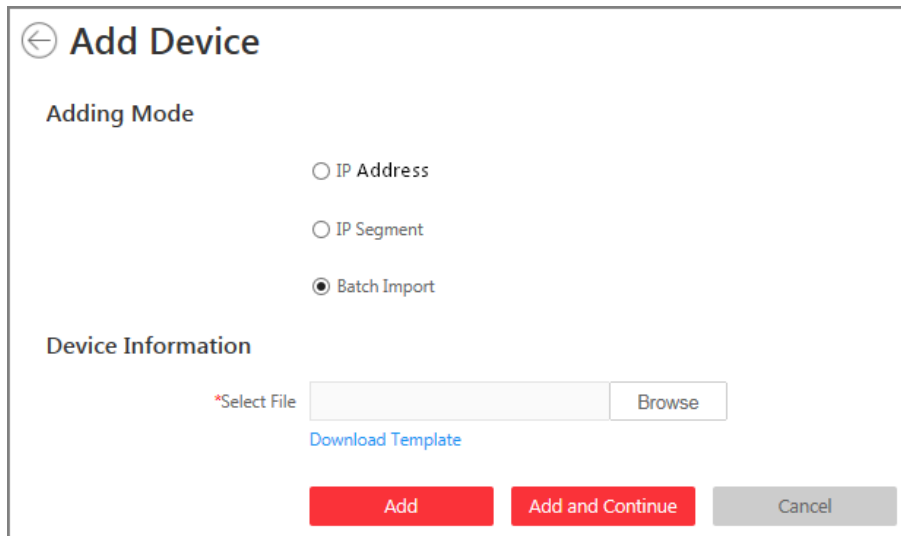
**Note:** If you do not export cameras to area, you cannot perform the live view, playback, event settings, etc., for the cameras.

- Click **Add** to add the devices of which the IP addresses are between the start IP address and end IP address and back to the device list page. You can also click **Add and Continue** to save the settings and continue to add other devices.

### 3.1.5 Adding Devices in Batch

**Steps:**

- Click the **Physical View**.
- Click **Encoding Device** and click **Add** to enter the adding device page.
- Select **Batch Import** as the adding mode.



- Click **Download Template** and save the pre-defined template (CSV file) on your PC.
- Open the exported template file and input the required information of the devices to be added on the corresponding column.
- Click **Browse** and select the template file.
- Click **Add** to import the devices and back to the device list page. You can also click **Add and Continue** to save the settings and continue to add other devices.

## 3.2 Local Storage

**Purpose:**

You can manage the connected HDDs and network disks (iSCSI) of Blazer Express and allocate the storage space to the added cameras.


**Note:** You must restart Recording Server via Blazer Express' Windows Task Manager (Services tab) after adding the local hard disk or network disk (iSCSI).

In the Storage Information area, each color clip corresponds to the storage space allocated to a camera. Click a color clip to check the space size and the related camera, and the detailed video and picture quota display the in the lower part.

**Steps:**

1. Click **Physical View** and select **Local Storage** to enter the Local Storage page.
2. Click **Initialize** and select a disk to initialize in the pop-up dialog.
3. Click **OK** to confirm initializing the disk and the operation will erase all data of the disk.
4. Click **Edit** to show the storage allocation information of all the added cameras and you can edit the settings as needed.
5. In the used space column, set the storage space allocated to the camera, and by default, the video and picture quota will be set automatically and the proportion of video quota to picture quota is four to one. You can edit the video quota and picture quota as desired.

After setting the video quota, the estimated recording time shows which is calculated based on all-day recording.


Click  and check the checkboxes to select other cameras for copying the current camera's storage allocation to.


**Note:** The cameras with no quota allocated will use the free quota for video and picture storage.


6. Click **Save** to confirm the settings.

### Local Storage




**Quota Information**


Used Quota  
0% 

Total Capacity: 931GB  [Edit](#)

 > Free Quota: 931GB

---

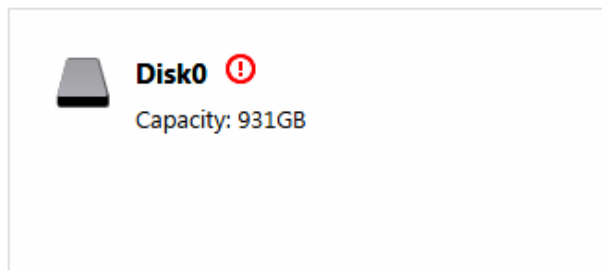
 **Disk Overview**  Initialize  Refresh

 **Disk0**  
Capacity: 931GB Free Space: 577GB

## 3.2.1 Managing the Hard Disks and Network Disks

If an exclamation mark appears near the disk, you can try the following steps to make the disk back to normal status.

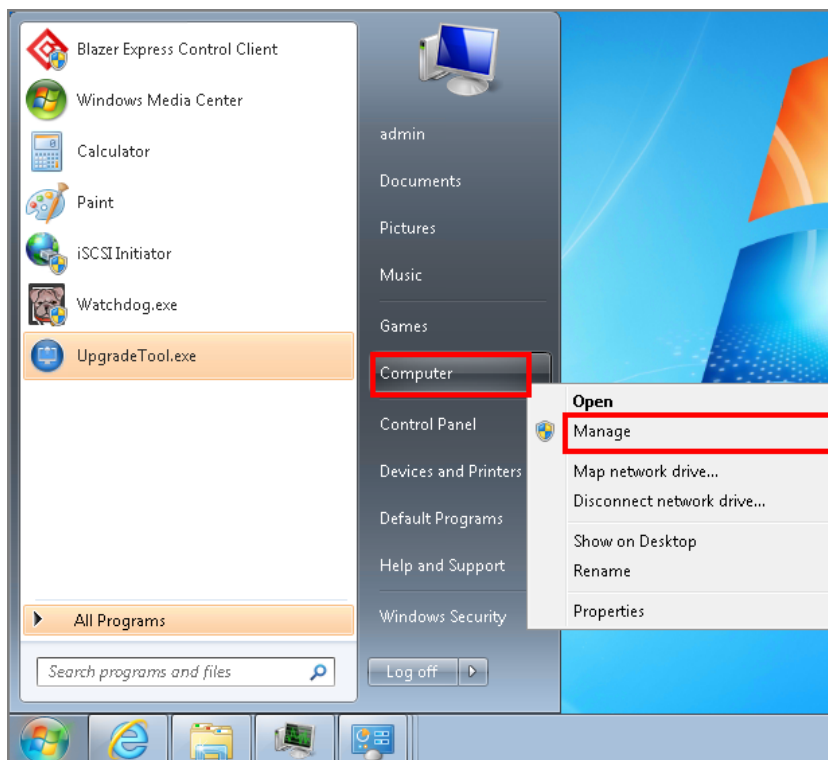




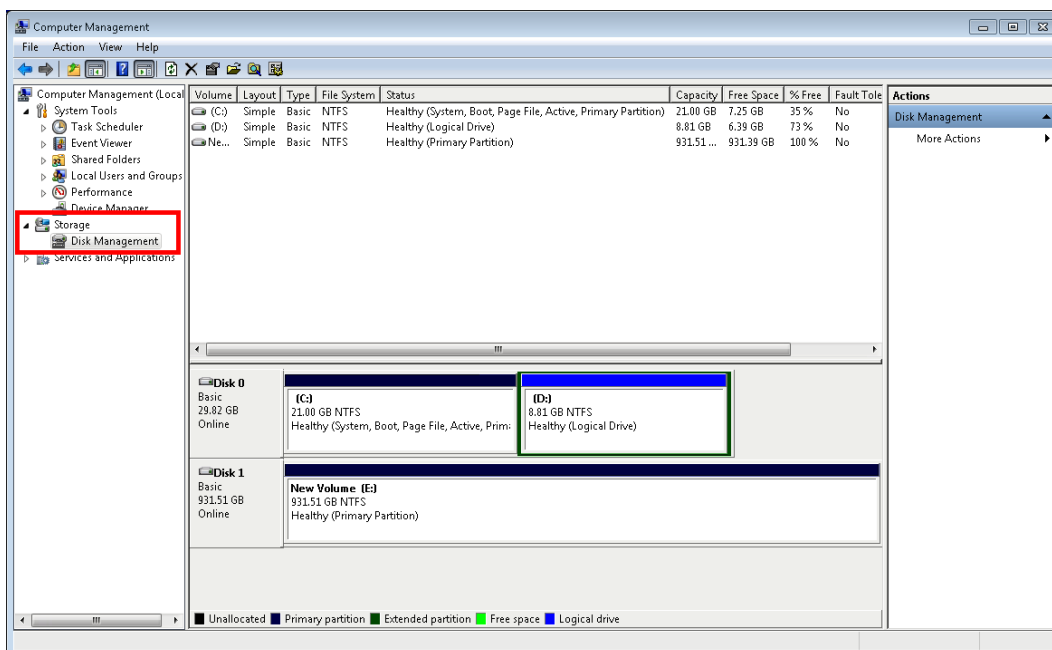
**Steps:**

1. Click **Initialize** to initialize the hard disk. If the exclamation mark disappears, the disk can work properly. If not, perform the following steps.
2. Log in to the Blazer Express locally.
3. Enter the Computer Management of Blazer Express. For how to open the Computer Management, refer to the help file of the operating system.

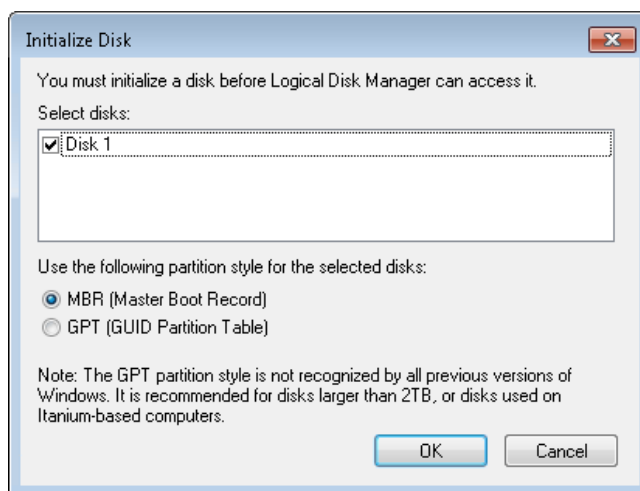
**Note:** If the User Account Control dialog pops up, click **Yes** to allow the Computer Management to run.



4. In the left pane, click **Disk Management** under **Storage**.



**Note:** If the following dialog pops up, click **Cancel** to continue.

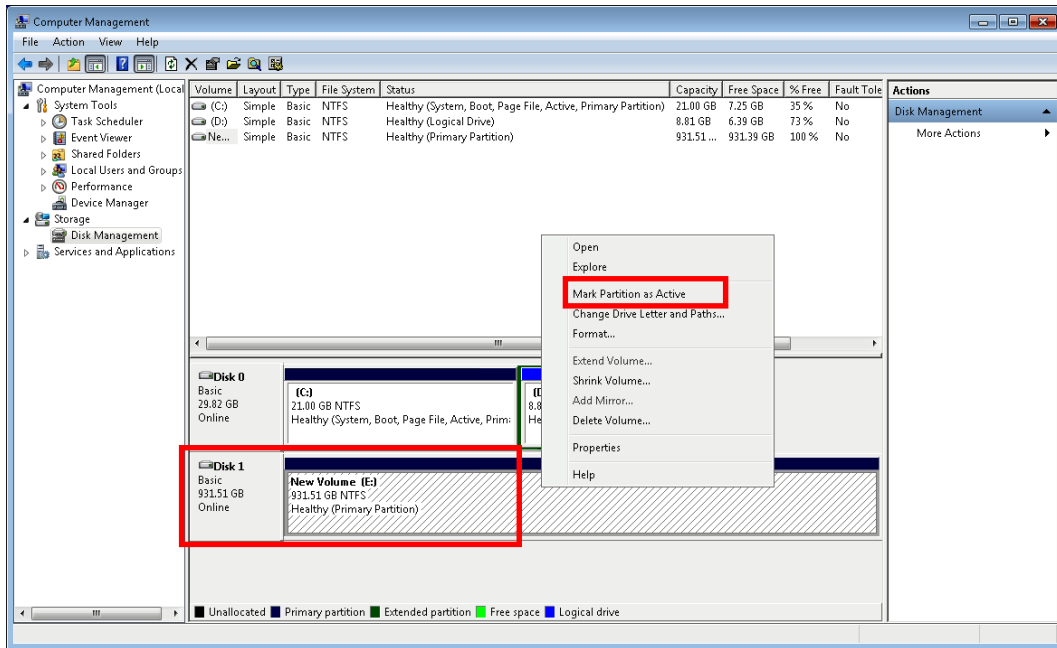


5. Check the status of the disk. If the installed disk status is not *Unallocated*, perform the following steps to make it work properly.

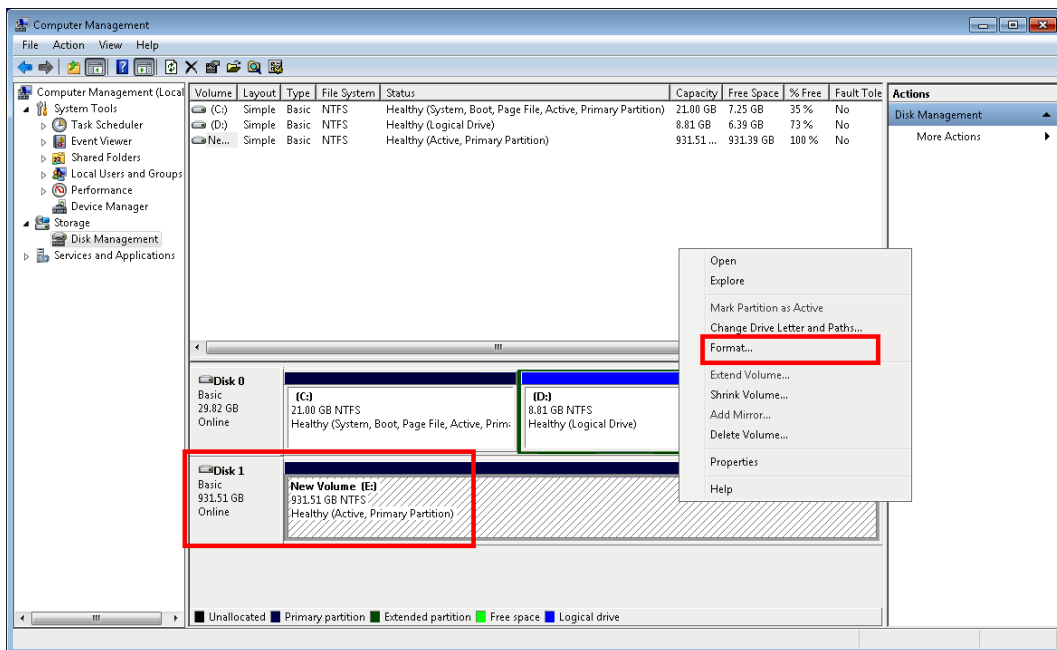
**Notes:**

- Disk 0 is the built-in disk and must not be edited. Disk 1(2, 3, or 4) is the installed hard disk.
- If the installed disk status is *Unallocated*, reboot the Blazer Express and login again via the Web Client. If it still does not work, please contact our technical support engineers.

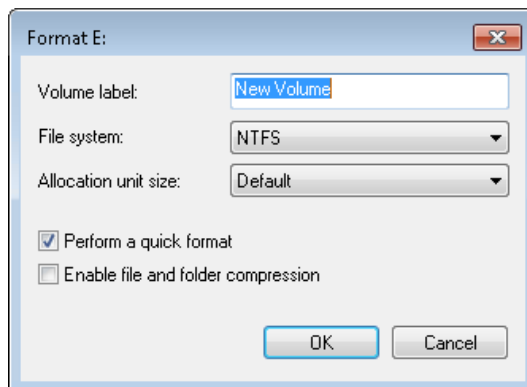
6. Right-click the disk and select **Mark Partition as Active** in the right-click menu to mark the disk as active.



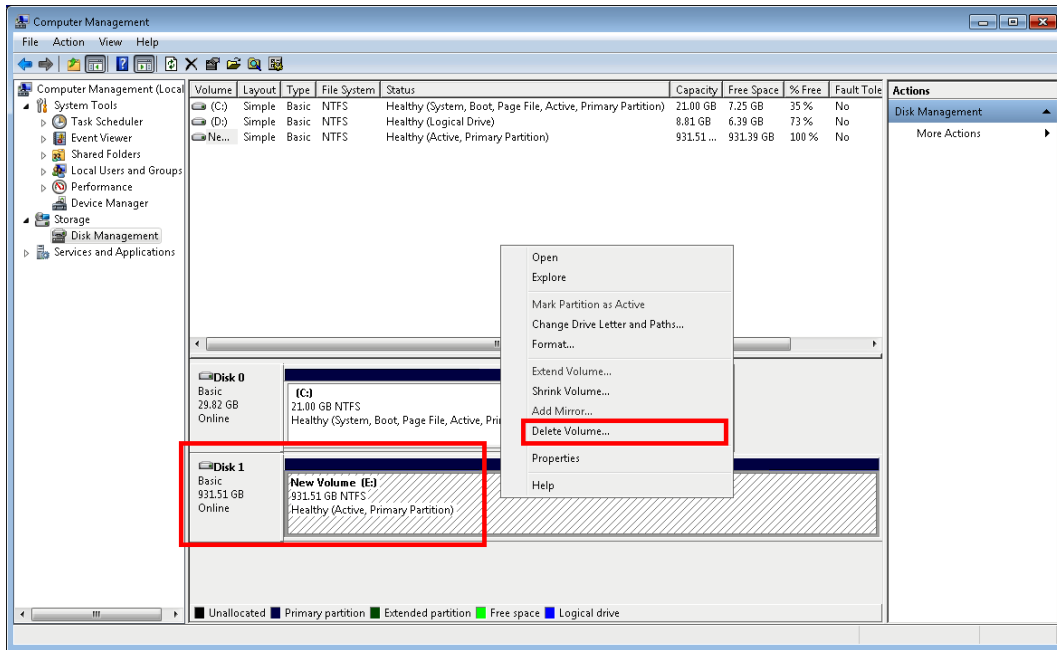
7. Right-click the disk and select **Format** in the right-click menu to format the disk.



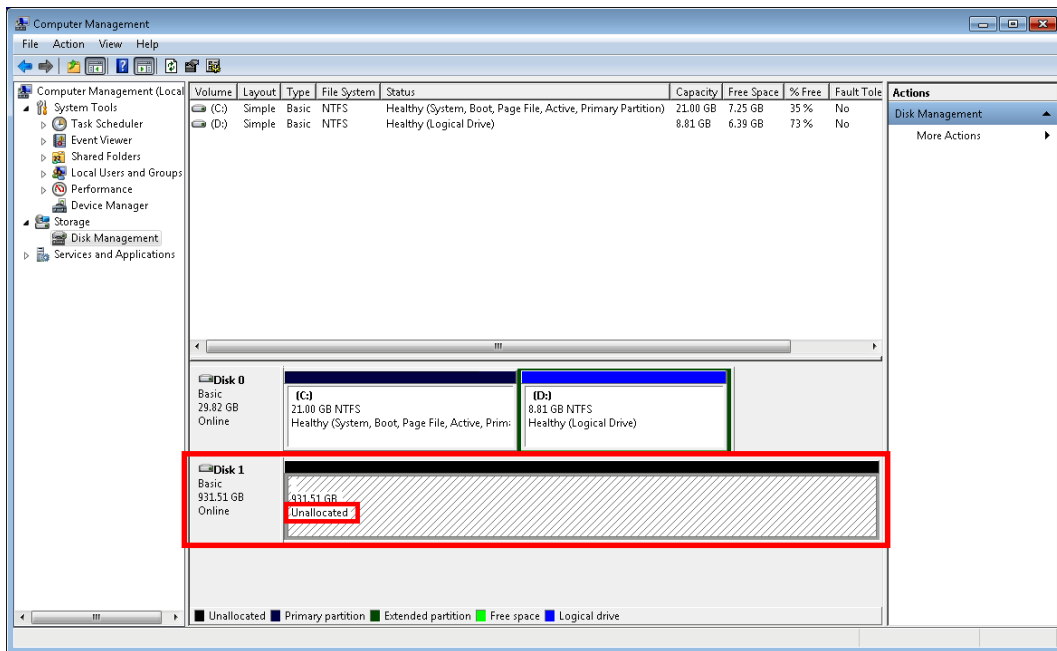
8. Click **OK** in the pop-up dialog to format the disk.



9. After formatting, right-click the disk and select **Delete Volume** in the right-click menu.



10. Check the disk status and it changes to *Unallocated*.



11. Log in again via the Web Client and initialize the disk.

### 3.2.2 Adding the Network Disks

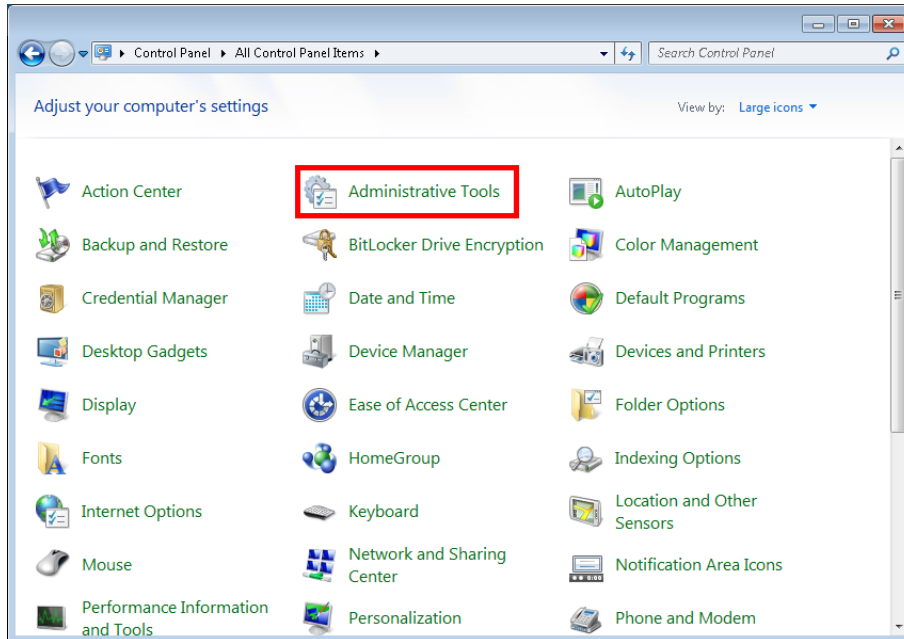
**Before you start:**

You should assign the network disk for the Blazer Express on the network storage device. For assigning the network disk on the network storage device (e.g., CVR, NAS), refer to the user manual of the network storage device.

**Note:** The first 8 network disks are available for Blazer Express to store videos and pictures. The block size of the network disk should be 512 bytes.

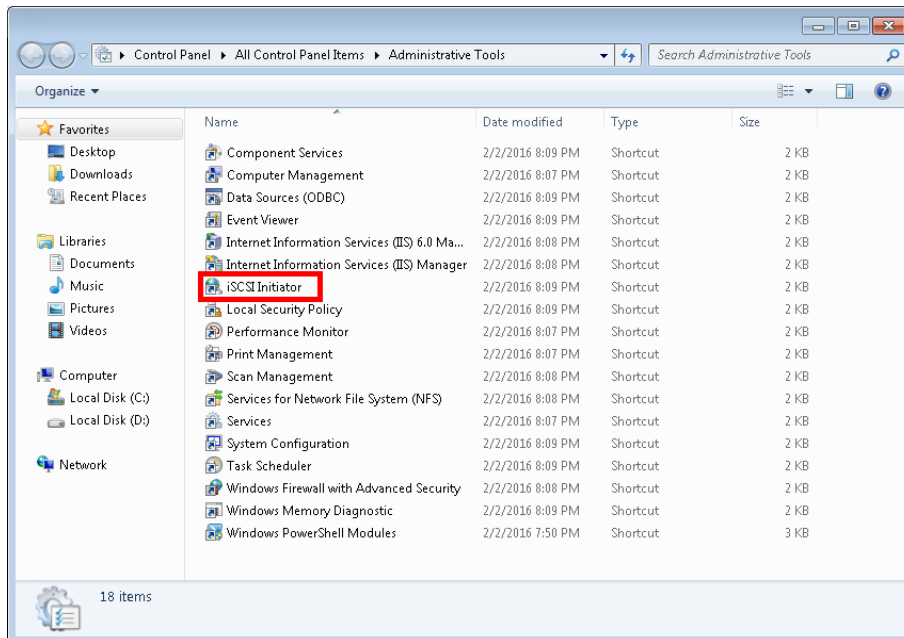
**Steps:**

1. Log in to the Blazer Express locally.
2. Enter the Administrative Tools of Blazer Express. For how to open the Administrative Tools, refer to the help file of the operating system.

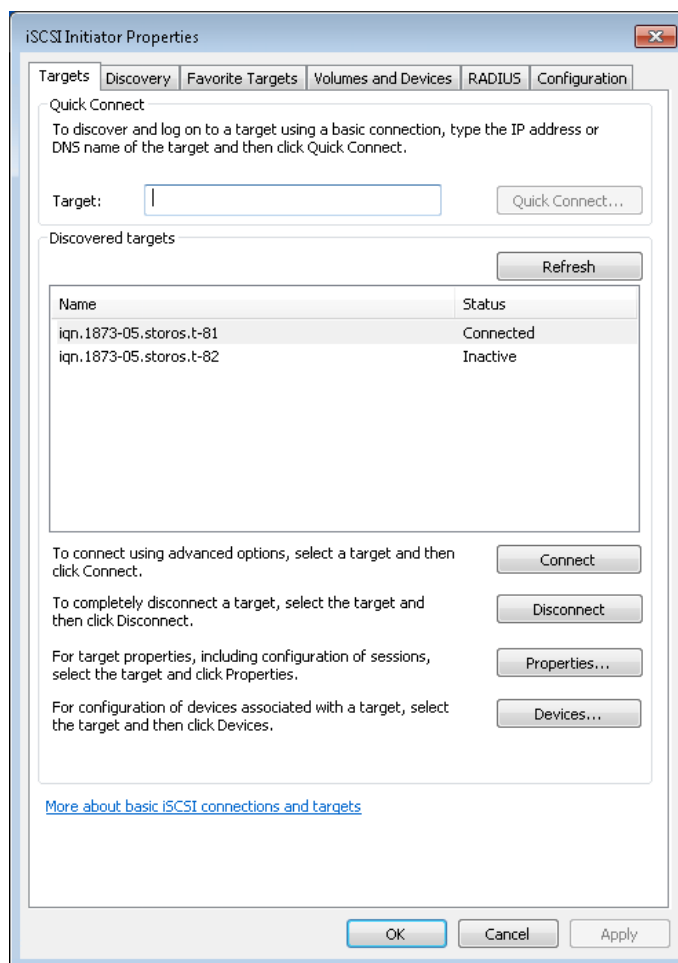


3. Double-click to run the iSCSI Initiator.
 

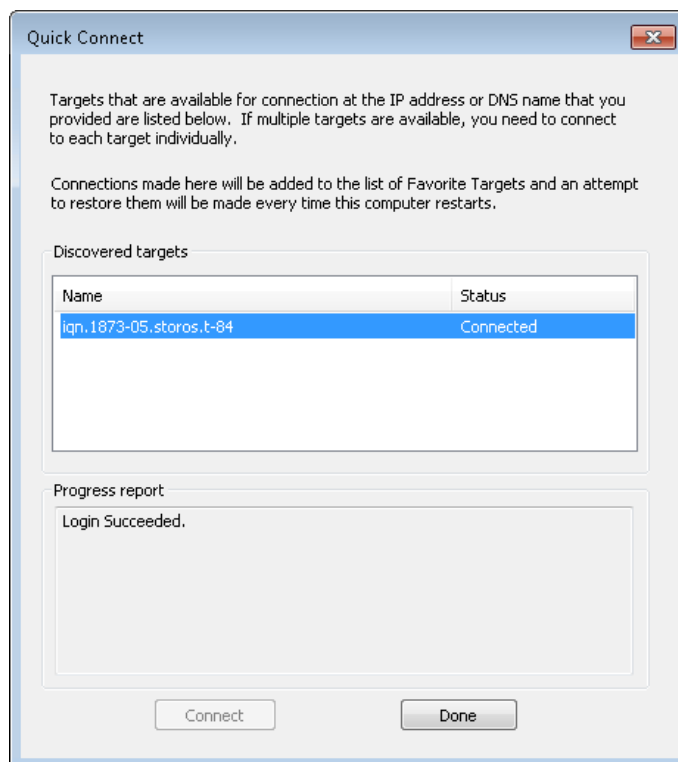
**Note:** If the iSCSI service is not running, please click **Yes** in the pop-up dialog to start the service and the service will start automatically each time the computer restarts.



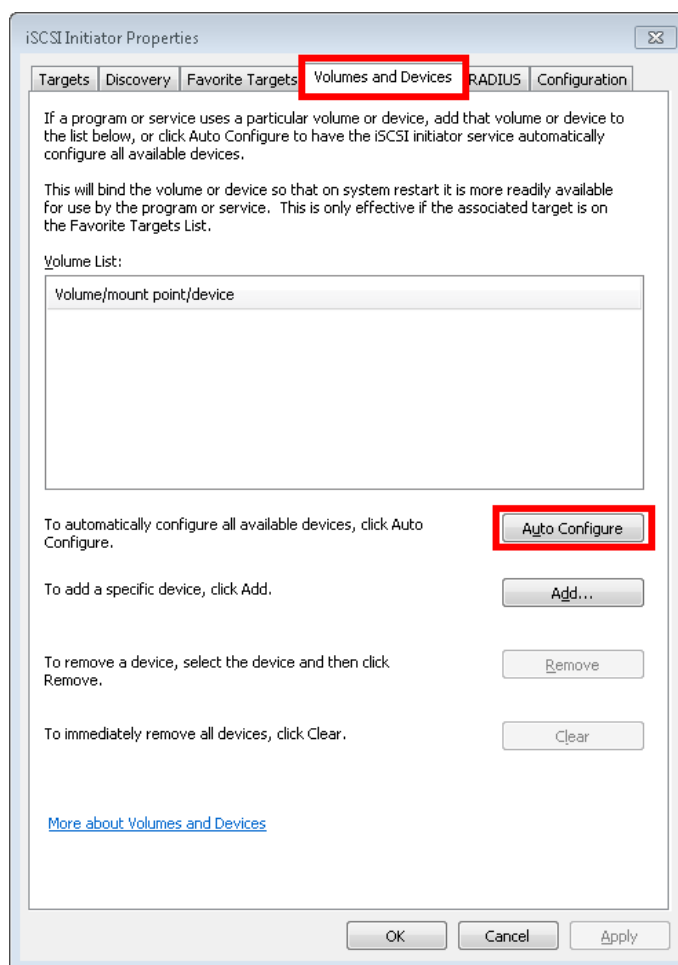
4. In the pop-up iSCSI Initiator Properties dialog, input the network storage device IP address in the Target field and click **Quick Connect...** to connect to the network storage device.



5. Click **Done** in the pop-up dialog.



- Click **Volumes and Devices** tab and click **Auto Configure** to finish adding the network disk.



- Run Blazer Express' Windows Task Manager and click **Services** tab.
- Find the Recording Server and restart it to make the network disk work properly.  
If you want to disconnect the network disk, you should stop the Recording Server and then disconnect the network disk in iSCSI Initiator Properties dialog.
- Log in again via the Web Client and initialize the network disk.

## 3.3 Area Management

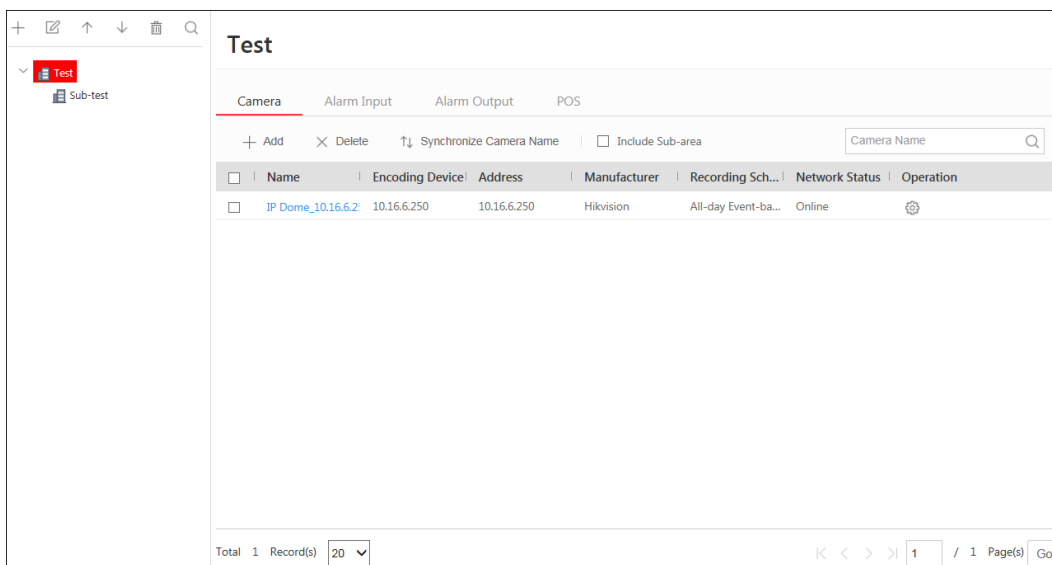
### **Purpose:**

The added encoding devices should be organized into areas for convenient management. You can get the live view, play back the video files, and do some other operations of the devices after managing the encoding devices by areas.

### **Before you start:**

Encoding devices need to be added to the Blazer Express for area management. Please refer to *Chapter 3.1 Adding the Devices* for detailed configuration about adding devices.

Click the **Logical View** to enter the Area Management interface.







## Adding the Area

### Steps:

1. Click  on the area list panel to open the Add Area dialog box

The 'Add Area' dialog box contains two input fields: '\*Parent Area' with a dropdown menu showing '10.18.130.117' and '\*Area Name' with an empty text box. A red 'Save' button is located at the bottom right of the dialog.

2. Select the parent area for the new area.
3. Input an area name as you want.
4. Click **Save** to create the new area.

You can click  or  to adjust the area position, click  to edit area name, click  and input the key word if you want to search the area.

## Adding Camera / Alarm Input / Alarm Output / POS to an Area

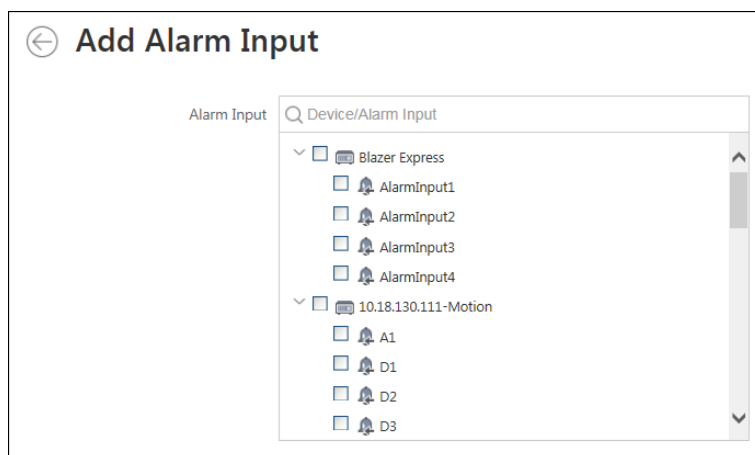
### Steps:


1. In the area list panel, click to select an area for adding elements to.
2. In the element area, click to select an element type and click **Add** to enter the adding element page. The element type refers to the camera, alarm input, alarm output, and POS terminal that can be added to areas for management.

### For Adding Camera / Alarm Input / Alarm Output:

- I. Check the checkbox(es) to select the elements to add. You can also input the key word to search the elements.





- II. Click **Add** to add the elements to the area.
- III. For online cameras, you can check the checkboxes to select the cameras and click **Synchronize Camera Name** to get the camera names from the device. Click  in the Configuration column to access the device via web browser. For detailed settings of the device, please refer to the user manual of the device.

**Note:** You can only synchronize the camera name of online HIKVISION camera.

### For Adding POS

- I. Input the required parameters.



#### **Before you start:**

You should set the Blazer Express IP address on the POS terminal to be added.

- **Name:** Input a name as you want.
- **Linked Camera:** Select a camera to link with the POS terminal.
- **POS Port:** Select the port No. for receiving the data sent from POS terminal. You must set the same port No. on the POS terminal to be added.
- **Character Encoding:** Select the encoding format from the drop-down list which should be the same as that on the POS terminal. This is used for define the encoding format for the transaction information to be overlaid in live view.
- **Interval Time:** The value ranges from 2 to 120 seconds for defining the interval between trades. When Blazer Express has not received the POS data over the defined time interval, the current trade is finished.
- **Protocol Type:** Select the protocol for overlaying transaction information. The settings should be the same as that on the POS terminal.

- II. Click **Add** to add the POS terminal to the area.

#### **Notes:**

- Up to 8 POS terminals can be added.
- If the linked camera of POS terminal is deleted, the  will appears near the POS terminal name. You should edit the POS terminal and select another camera to link to it.
- If the POS port is occupied by other program, the  will appears near the POS terminal name. You should edit the POS terminal and select an available port for it and you must also set the same port No. on the POS terminal side.

3. Check **Include Sub-area** checkbox to display the elements of child areas as well.

**Note:** A camera, alarm input, alarm output or POS terminal can only be added to one area.

## Editing the Camera / Alarm Input / Alarm Output / POS

### Steps:

1. Select Camera, Alarm Input, Alarm Output or POS tab and click the **Name** field to edit the parameters of the element.
2. Edit the corresponding information.

**For camera:** You can edit its basic information and recording settings.



**Note:** You can click **Configuration on Device** to set the remote configurations of the corresponding device if needed. For detailed operation steps for the remote configuration, please refer to the user manual of the device.

The screenshot shows a configuration page for a camera. At the top, there is a back arrow, the camera name 'Camera1\_192.168.254.3\_PoE', and a 'Configuration on Device' link. Below this, there are two main sections: 'Basic Information' and 'Recording Settings'. In 'Basic Information', there are three fields: '\*Name' with the value 'Camera1\_192.168.254.3\_PoE', '\*Stream Type' set to 'Main Stream', and '\*Protocol Type' set to 'TCP'. In 'Recording Settings', there are four fields: '\*Recording Schedule' set to 'All-day Time-based Template', '\*Stream Type' set to 'Main Stream', '\*Pre-record' set to '5s', and '\*Post-record' set to '10s'. At the bottom of the recording settings, there are two radio buttons for '\*Video Files Storage': 'Overwrite' (which is selected) and 'Period'. At the very bottom, there are two buttons: 'Save' (highlighted in red) and 'Cancel'.

**Name:** Edit the name for camera as desired.

**Stream Type:** Select the stream for live view.

**Protocol Type:** Select the protocol for getting stream.

You can click  to see the live view of the camera. Hover over the window and click  in the lower-right corner to switch to video playback. By default, the video will start from last 5 minutes and you can adjust the timeline to play the video of other time of current day.

You can also view and edit the recording settings of the camera. If no recording settings have been configured for the camera, you can click **Configuration** to set the parameters (refer to *Chapter 4 Recording Settings*).

The events configured for the camera also display. If no event settings have been configured for the camera, you can click **Configuration** to set the parameters (refer to *Chapter 5 Event and Alarm Settings*).

**For alarm input:** You can check and edit the name and event settings for the alarm input.

**For alarm output:** You can edit the name of the alarm output.

**For POS:** You can check and edit basic settings for the POS terminal.

3. Click **Save** to save the new settings.


## Removing Camera / Alarm Input / Alarm Output / POS from Area

### *Steps:*

1. Select an area and click Camera, Alarm Input, Alarm Output, or POS tab.
2. Check the checkboxes to select the elements and click **Delete** to remove them from the area.

## Deleting the Area

### *Steps:*

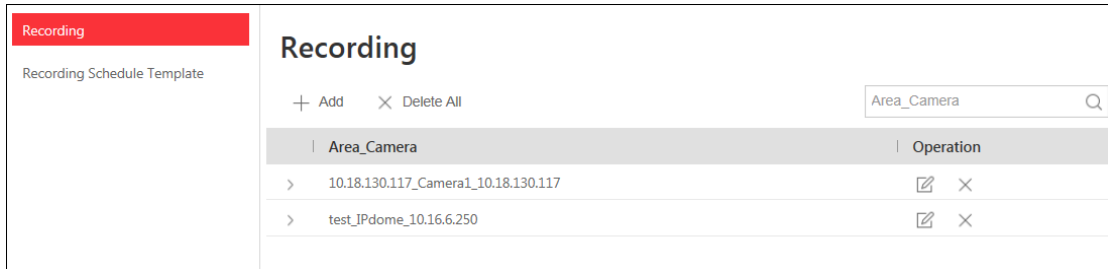
1. Select an area on the area list panel.
2. Click  and the selected area will be deleted.  
After deleting the area, the camera, alarm input, alarm output, and POS will be removed from the area, as well as the corresponding recording schedules, events, and alarms.

## Chapter 4 Recording Settings

### Purpose:

When there are HDDs or network disk on the Blazer Express, you can set the recording schedule of the cameras for the continuous, or event triggered recording.

Click the **Recording** to open the Recording page.



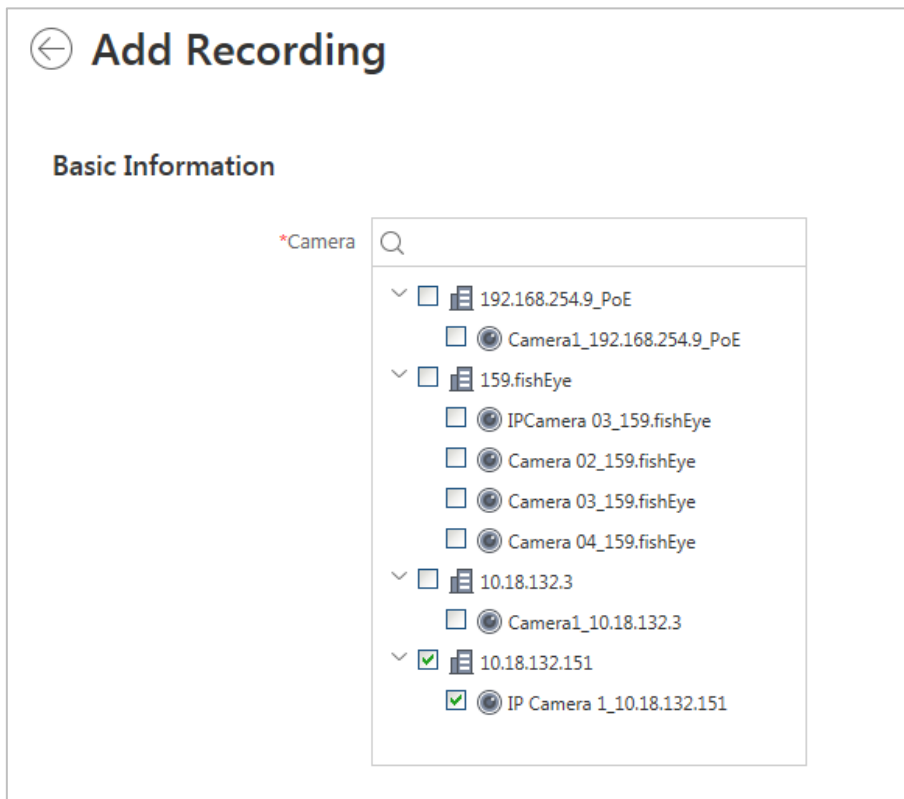
### 4.1 Configuring Recording Settings

#### Purpose:

Recording settings are for defining when and how the recording starts with the pre-defined parameters.

#### Steps:

1. Click **Recording** to enter the recording management page.
2. Click **Add** to configure the recording settings for cameras.



### Recording

\*Recording Schedule Template All-day Time-based Template ▼

\*Stream Type Main Stream ▼

\*Pre-record 5s

\*Post-record 10s

\*Video Files Storage  Overwrite  
 Expired Time

Enable ANR



3. Input the required information.
    - Click to select the camera(s) to configure the recording settings for.
    - **Recording Schedule Template:** Select the template as all-day time-based template, all-day event-based template, or customized template.
 

**All-Day Time-Based Template:** Record the video for all-day continuously.

**All-Day Event-Based Template:** Record the video when event occurs.

For settings customized template, refer to *Chapter 4.2 Configuring Recording Schedule Template*.
    - **Stream Type:** Select stream for recording.
    - **Pre-Record:** Record video from periods preceding detected events. The default value is 5 seconds and not editable.
    - **Post-Record:** Record video from periods following detected events. The default value is 10 seconds and not editable.
    - **Video Files Storage:** Select the storage mode for the recorded videos.
 

**Overwrite:** Overwrite the oldest videos when disk or allocated quota is full.

**Expired Time:** When this option is selected, Blazer Express will automatically delete the oldest videos after the specified retention period. This method allows you to define the longest time period to keep the videos as desired and the actual retention period for the videos depends on the allocated quota.
    - **Enable ANR:** Turn the automatic network replenishment on to temporarily store the video in the device when network fails and transport the video to Blazer Express when network recovers.
  4. Click **Add** to save the recording settings and back to the recording list page. You can also click **Add and Continue** to save the settings and continue to add other recording settings.
- On recording list page, you can click the recording item to check the detailed recording settings. Click  to edit the recording settings of the camera and click  to delete the recording settings. You can also click **Delete All** to delete all the recording settings.

## 4.2 Configuring Recording Schedule Template

### **Purpose:**

By default, all-day time-based template and all-day event-based template are available for triggering recording by time or by event. If you need to set the customized recording schedule template, and define specific settings for holidays, please perform the following steps.

### Setting Holiday Periods

#### **Purpose:**

You may want to set different recording schedule on some special days (e.g., Christmas Day, Thanksgiving Day). Define the days you want to set as holidays to set the separate schedule template for these days.

#### **Steps:**

1. Click **Recording Schedule Template** and click **Holiday Settings** to enter the holiday settings page and the configured holidays display.
2. Click **Add** to create a new holiday.



3. Input the required settings.

**Holiday Name:** Set a descriptive name for the holiday.

**Type:** There are three different types for the date format to configure holiday period.

- **By Day:** Set the specific start and end date for the holiday period.
- **By Week:** Select the start day of a week in a month and the end day of a week in a month.
- **By Month:** Select the start day of a month and the end day of a month.

4. Click **Save** to create the holiday and it shows on the holiday list.

You can click  to edit the holiday and click  to delete the holiday.

### Creating Recording Schedule Template

#### **Steps:**

1. Click **Recording Schedule Template** and click **Add** to enter the adding recording schedule template page.

2. Set the required information.

- **Name:** Input a name for the template.
- **Copy from:** Optionally, you can select to copy the settings from other defined template.
- Select a recording type and click on the time bar to set a time period. By default, the Time-based Recording is selected.

You can drag the time period to adjust its position when the cursor changes to . You can lengthen or shorten the selected time period when the cursor changes to . You can select a time period and click **Delete** to delete it, or click **Clear** to delete all the time periods.

**Time-Based Recording** refers to continuous recording. The schedule time bar is marked with blue.

**Event-Based Recording** refers to the recording triggered by the event (e.g., alarm input or motion detection). The schedule time bar is marked with orange.

**Note:** Up to 4 time periods can be set for each day in the recording schedule.

3. If you have added some holidays, you can set the recording schedule for the holiday separately. The configured holidays will adopt the holiday schedule for recording first.
4. Click **Add** to add the template and back to the recording schedule template list page. You can also click **Add and Continue** to save the settings and continue to add other template.

On recording schedule template list page, you can click the schedule item to check the detailed settings. Click to edit the template and click to delete the template. You can also click **Delete All** to delete all the templates (except the default templates and the template(s) in use).

## Chapter 5 Event and Alarm Settings

### **Purpose:**

Set to detect the events and the event logs can be recorded for check via Control Client. You can also set the event as the event source to trigger the alarm and set the linkage actions for handling the alarm.

**Example:** Blazer Express will automatically send email to the designated receiver when motion is detected.

Click the **Event & Alarm** and select **Event** to enter the Event Configuration page.

| Event Name                          | Triggering Event | Operation |
|-------------------------------------|------------------|-----------|
| IPdome_10.16.6.250-Motion Detection | Motion Detection |           |

Total 1 Record(s) 20 / 1 Page(s) Go

You can set different linkage actions for the following events:

- Camera Event
- Alarm Input Event
- Device Exception
- License Plate Matched Event

### **Notes:**

- Camera event refers to the video exception or the events detected in the monitoring area of the camera, such as motion detection, video loss, line crossing, and so on.
- License Plate Matched event will be triggered when the license plates detected by the ANPR camera is matched the vehicle information in vehicle list.

## 5.1 Configuring Event

### **Purpose:**

Set to detect the events and the event logs can be recorded for check via Control Client.

### **Steps:**




1. Click **Event** to enter the event settings page.



2. Click **Add** to enter the event adding page.
3. Set the required information.
  - **Triggered by:** Select the source type, specific source, and the related triggering event.
 

**Note:** If the event is not properly configured on the device, *Disabled On Device* appears under the triggering event. You must click **Configuration** and set the parameters for the event in the pop-up interface. For detailed settings about the event configuration, please refer to the User Manual of the device.
  - **Event Name:** Input a name for the event as needed.
4. Click **Add** to add the event and back to the event list page.
 

You can also click **Add and Trigger Alarm** to save the event settings and enter the alarm settings page for setting alarm. For detailed configuration, refer to *Chapter 5.2 Configuring Alarm*.

On event list page, you can click the event item to check the detailed settings. Click  to edit the event settings and click  to delete the event settings. You can also click **Delete All** to delete all the event settings. Click  and set the conditions for filtering the events.

## 5.2 Configuring Alarm

### Alarm Settings


#### **Purpose:**

You can edit the pre-defined alarm priority and alarm type, and set customized alarm priority and alarm type.

**Alarm Priority:** Define the priority for the alarm when add the alarm and filter alarms in the Control Client.




**Alarm Type:** Alarm type is used when the user acknowledges the alarm in Control Client to indicate what kind of alarm it is, e.g., false alarm, or alarm to be verified. You can search the alarms by the alarm type in the Alarm Center of Contro Client.

#### **Steps:**

1. Click **Alarm Settings** to enter the alarm settings page.
2. Set the alarm priority and alarm type as desired.
  - **Alarm Priority:** By default, three kinds of alarm priority exist and you can click  to edit their names and colors.

**Alarm Priority** You can set up to 255 levels.

+ Add


| Level | Name   | Operation   |
|-------|--------|---|
| 1     | High   |  |
| 2     | Medium |  |
| 3     | Low    |  |


- 1) Click **Add** to add a customized priority.
- 2) Select a No. for the priority.

**Note:** Up to 255 levels of priority can be added. The priority levels can be used for

sorting alarms in Alarm Center of Control Client.

- 3) Input a descriptive name for the priority.
- 4) Click to select the color for the priority.

- 5) Click **Save** to add the priority. You can click  to edit the alarm priority, and click  to delete the alarm priority.





- **Alarm Category:** By default, four alarm categories exist and you can click  to edit their names.

**Alarm Category**



1. Use when you acknowledge the alarm in Control Client to indicate what kind of alarm it is, e.g., false alarm, or alarm to be verified.

2. Up to 25 categories configurable.

+ Add

| No. | Name               | Operation   |
|-----|--------------------|---|
| 1   | True               |  |
| 2   | False              |  |
| 3   | To Be Acknowledged |  |
| 4   | To Be Verified     |  |

- 1) Click **Add** to add the customized alarm category.
- 2) Select a No. for the alarm category.  
**Note:** Up to 25 alarm categories can be added.
- 3) Input a descriptive name for the alarm category.

- 4) Click **Save** to add the alarm category. You can click  to edit the alarm category, or click  to delete the alarm category.

## Adding Alarm

**Purpose:**

An alarm is used for trigger actions on a particular situation (video tampering of a camera, motion detected, restricted area intruded, etc. which called event) for notification.

**Example:** Blazer Express can send notification email to designated recipient when motion is detected.

**Steps:**

1. Click **Alarm** to enter the alarm settings page.
  2. Click **Add** to enter the adding alarm page.
  3. Set the required parameters.
    - **Triggered by:** Click to select the source type, specific source and the event type as the source for triggering the alarm.
- Note:** If the event is not properly configured on the device, *Disabled On Device* appears under the event type. You must click **Configuration** and set the parameters for the event in the pop-up interface. For detailed settings about the event configuration, please refer to the User Manual of the device.

**For selecting source type as ANPR:**

Before setting ANPR alarm, vehicles information should be added for matching the license plate recognized by ANPR camera. For adding vehicle list and vehicle information, refer to *Chapter 7 Vehicle Management*.

Select a defined vehicle list as the source for matching the license plate recognized by ANPR camera. If you select the source as Temporary Vehicle, alarm will be triggered when the detected license plates are not in the pre-defined vehicle lists.

- **Alarm Name:** Input a name for the alarm.
- **Description:** Optionally, input the instruction for how to handle the alarm or the remarks for the alarm.

**Alarm Definition**

| *Triggered by | Source Type   | Source   | Triggering Event   |
|---------------|---|--|--|
|               | <div style="border: 1px solid gray; padding: 5px;"> <p>Camera</p> <p>Alarm Input</p> <p>Device</p> <p>ANPR</p> </div> | <div style="border: 1px solid gray; padding: 5px;"> <p>Q Camera/Area</p> <p>10.16.6.250</p> <p>IPdome_10.16.6.250</p> </div> | <div style="border: 1px solid gray; padding: 5px;"> <p>Video Loss</p> <p>Video Tampering Detection</p> <p>Motion Detection</p> <p>Enabled On Device </p> <p>Audio Exception Detection</p> <p>Sudden Increase of Sound Intensit...</p> </div> |

\*Alarm Name

Description

- **Arming Schedule Template:** Select an arming schedule for the alarm to define when the alarm will be triggered. For settings customized template, refer to *Chapter 5.4 Configuring Arming Schedule Template*.
- **Alarm Priority:** Define the priority for the alarm. Priority can be used for filtering alarms in

the Control Client.

- **Alarm Recipient:** Select the user to send the alarm information to and the user can receive the alarm information when he/she logs in to Blazer Express via Control Client or Mobile Client.
- **Related Cameras:** Select the cameras for viewing the live video and playback when alarm occurs on the Alarm Center of Control Client.
- **Lock Video Files for:** Set the time duration for protecting the video file from being deleted.
- **Related Map:** Select the map to show the alarm information and you should add the camera to the map as a hot spot (refer to *Chapter 6.2 Adding Hot Spot*). You can check the map on the Alarm Center of Control Client.
- **Trigger Pop-up Window:** Select to pop up the alarm window on Control Client to display all the alarm related cameras' live videos and playback when alarm occurs.
- **Actions:** Trigger linkage actions when alarm occurs.

- **Trigger actions when:** Select to trigger linkage actions immediately after alarm occurs, or trigger actions after the alarm is not handle within a certain time duration (customized).

- **Trigger Audible Warning:** Set the voice text for playing on the PC when alarm is triggered.

**Note:** You should set voice engine as the alarm sound on System Settings page of Control Client.

- **Link Alarm Output:** Select the alarm output (if available) and the external device connected can be activated when alarm is triggered. You can select to automatically close the alarm output after a specific time, or close the alarm output manually.

- **Trigger PTZ:** Trigger to call the preset, patrol or pattern of the selected camera(s) when alarm is triggered.

- **Create Tag:** Add tag to the alarm triggered video if you have selected cameras in **Related Cameras** field, and the tagged video can be searched and checked via Control Client.





You can input the name as desired. You can also click the button below to add the related information to the name.

Set the time range to define the tagged video length. You can set to record the tagged video started from 5 seconds before the event and lasted until and 10 seconds after the event. The tagged video can be searched and checked via Control Client.



Add the description to the tagged video as needed.

- **Send Email:** Select an email template to send the alarm information according to the defined email settings. You can select Add New to create a new email template. For details, refer to *Chapter 5.3 Setting Email Template*.

4. Click **Add** to add the alarm and back to the alarm page. You can also click **Add and Continue** to save the settings and continue to add other alarm.

On alarm list page, you can click the alarm item to check the detailed settings. Click  to edit the alarm, click  to delete the alarm, and click  to enable the alarm or click  to disable the alarm, click **Enable All** to enable all the alarms and click **Disable All** to disable all the alarms. You can also click **Delete All** to delete all the alarms.

**Notes:**

- Only the alarm that is enabled on both the device and Blazer Express is effective.
- If  appears near the alarm name, it means the alarm is disabled on the device. You should hover the cursor over the  and click **Configuration** on the tooltip and enable the alarm on the device.

## 5.3 Setting Email Template

### **Purpose:**

The email template should be properly set before you can configure to send the alarm information to the designate email account(s).

### **Steps:**

1. Click **Recording and Event** and click **Email Template** to enter the email template page.
2. Click **Email Settings** to enter the email settings page.

### Email Settings

Server Authentication

\*Cryptographic Protocol

\*Sender Email Address

\*Sender Name

\*SMTP Server Address

\*SMTP Server Port

\*User Name

\*Password

3. Configure the parameters according to actual needs.

**Server Authentication** (Optional): If your mail server requires authentication, check this checkbox to use authentication to log in to this server and enter the login User Name and Password.

**Cryptographic Protocol:** Select the cryptographic protocol of the email to protect the email content if required by the SMTP server.

**Sender Email Address:** The email address of sender.

**Note:** If you adopt Gmail, you have to enable IMAP for your Gmail account. For details, see *Chapter 5.3.1 Enable IMAP for Gmail*.

**Sender Name:** The name of sender.

**SMTP Server Address:** The SMTP Server IP address or host name (e.g., smtp.263xmail.com).

**SMTP Server Port:** The SMTP port. The default TCP/IP port used for SMTP is 25.

**User Name:** The user account of sender's email.

**Password:** The password of sender's email.

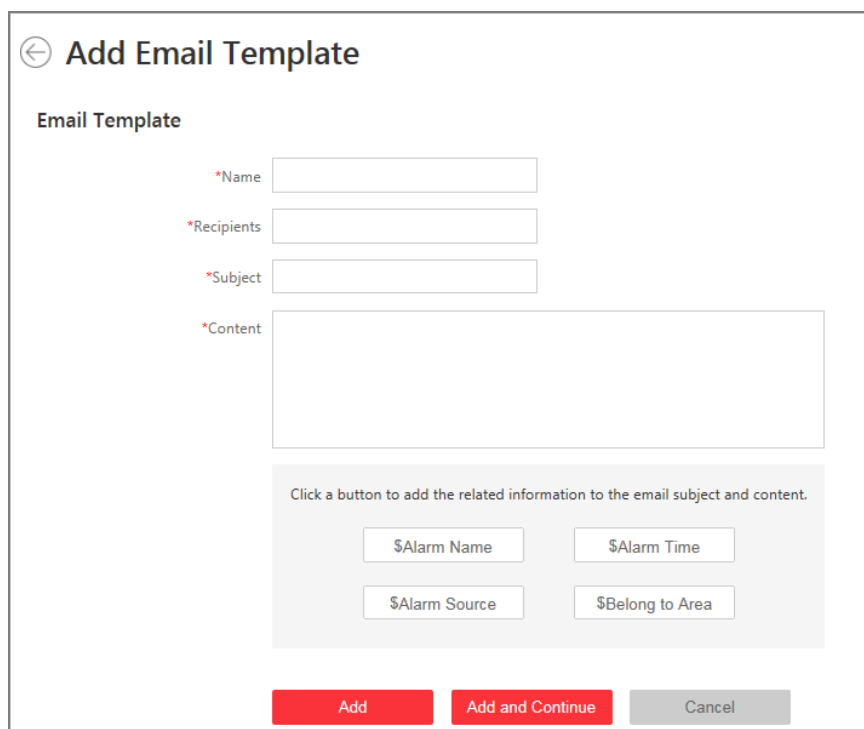
**Email Test:** Click it to test whether the email settings work. The corresponding attention message box will pop up.

4. Click **Save** to save the settings.



After configuring the email settings, you can click **Add** to add a customized email template. Input the required parameters.

- **Name:** Edit a user-defined name for the template.
- **Recipients:** Input the recipient(s) to send the email to. You can input multiple recipients and separate them by ";".
- **Subject:** You can input the email subject as desired. You can also click the button in the lower part of the window to add the related information to the subject.
- **Content:** Define the alarm information to be sent. You can also click the button in the lower part of the window to add the related information to the content.

**Note:** If you select to add the event time to the email subject or content, and the email application (such as Outlook) and the Blazer Express are in different time zones, the displayed alarm time may have some deviations.




Click **Add** to add the template and back to the email template list page. You can also click **Add and Continue** to save the settings and continue to add other template.

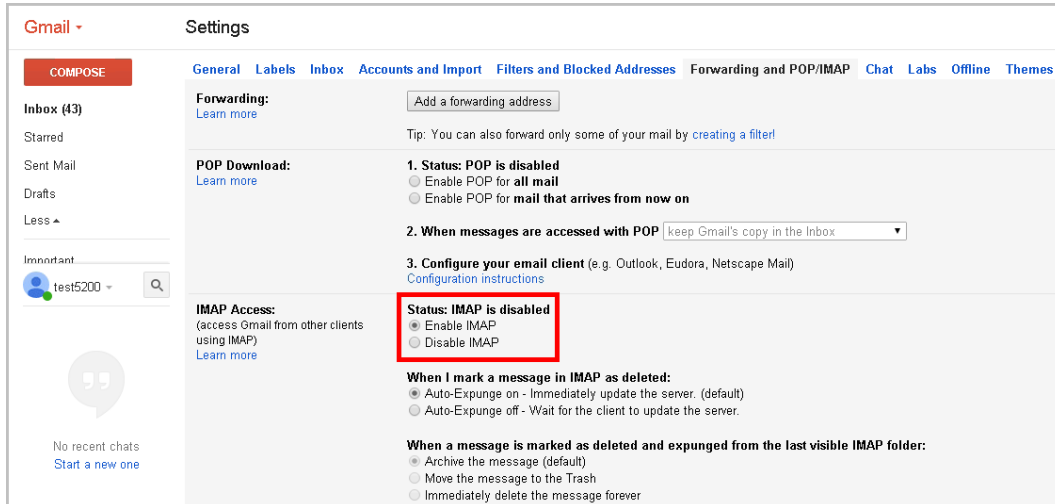
You can click  to edit the template and click  to delete the template. You can also click **Delete All** to delete all the templates.

## 5.3.1 Enable IMAP for Gmail

If you use Gmail, you should perform the following steps before the email settings can work properly.

### Steps:

1. Sign in to your Gmail account via Web browser.
2. Click  in the top right corner and select **Settings** to enter the Gmail settings page.
3. Click **Forwarding and POP/IMAP** tab.
4. Select the **Enable IMAP** radio button.





5. Click **Save Changes** to confirm the settings.

## 5.4 Configuring Arming Schedule Template

If you need to configure the customized arming schedule template for alarm, please perform the following steps.

### Steps:

1. Click **Arming Schedule Template** and click **Add** to enter the adding arming schedule template page.
2. Input the required information.
  - **Name:** Input a name for the template.
  - **Copy from:** Optionally, you can select to copy the settings from other defined template.
  - Click on the time bar to set a time period. You can drag the time period to adjust its position when the cursor changes to . You can lengthen or shorten the selected time period when the cursor changes to . You can select a time period and click **Delete** to delete it, or click **Clear** to delete all the time periods.

**Note:** Up to 4 time periods can be set for each day.

3. Click **Add** to add the template and back to the arming schedule template list page. You can also click **Add and Continue** to save the settings and continue to add other template.

←

## Add Arming Schedule Template

**Basic Information**

\*Name  ✔

Copy from

**Weekly Schedule**

✕ Delete 🗑 Clear

|      | 00 | 02 | 04 | 06 | 08 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Sun. |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mon. |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Tue. |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Wed. |    |    |    |    |    |    |    |    |    |    |    |    |    |

Add
Add and Continue
Cancel

On arming schedule template list page, you can click the template item to check the detailed settings. Click to edit the template and click to delete the template. You can also click **Delete All** to delete all the templates (except the default templates).

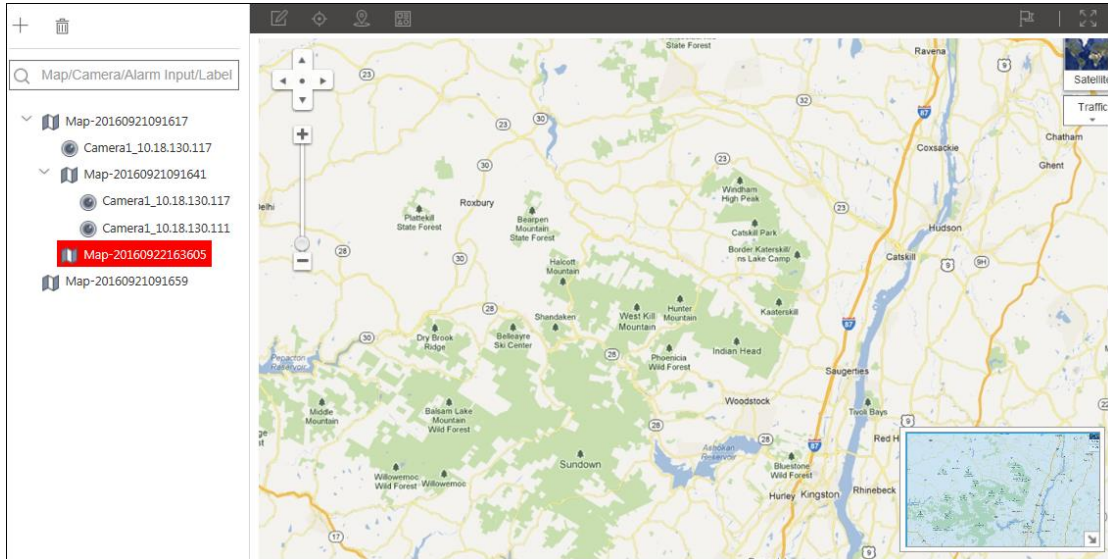


# Chapter 6 Map Management

## Purpose:

The Map function gives a visual overview of the locations and distributions of the installed cameras, alarm input devices, and alarm output devices. You can get the live view of the cameras on the map, and you will get a notification message from the map when alarm is triggered via Control Client.

Click **Map** to enter the Map page.



## 6.1 Adding Map

### Purpose:

A map needs to be added as the parent map for the hot spots and hot regions.

**Note:** The added map you created will be saved to the Blazer Express and other users who have the corresponding permission can also get access to the map.

### Steps:

1. Click **+** to pop up the adding map dialog. If no map added, you can click **Add Map** to pop up the dialog.
2. Optionally, select a parent map for the new map.
3. Set a descriptive name for the added map as desired.
4. Click the icon  and select a picture file from the local path. You can check the map preview.
5. Click **Add** to save the settings.


### Notes:

- The picture format of the map can only be \*.png, \*.jpg, or \*.jpeg.
- The picture size should be no larger than 10 MB.
- The maximum picture resolution is 1900\*1440 and the picture with larger than 1900\*1440 resolution will be compressed to 1900\*1440 resolution.

\*Parent Map

\*Map Name  ✔



\*Path  ...

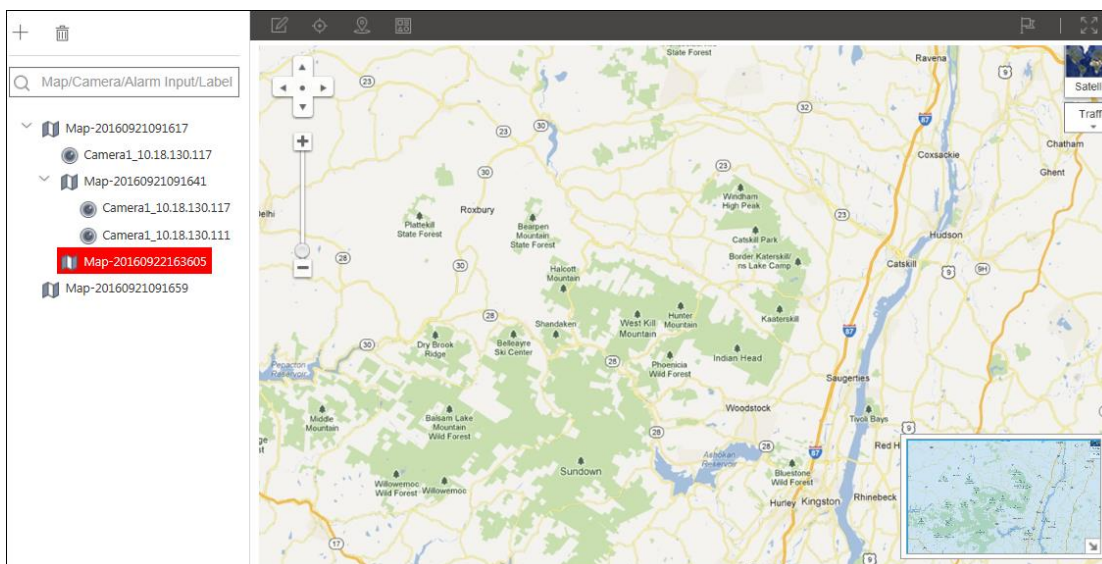


Add








You can also add one level of child map to the created map.

The map added is displayed in the Map Display area. Use the mouse wheel to zoom in or zoom out on the map. You can click-and-drag the blue window in the lower-right corner or use the direction buttons and zoom bar to adjust the map area for view.

You can click  to edit the name and the picture file of the map as desired, or click  to delete the map.



The following table introduces the icons on the Map page:

|   |                       |  |
|---|-----------------------|--|
|  | <b>Modify Map</b>     | Edit the map information, including the map name and file path.        |
|  | <b>Delete Map</b>     | Delete the current map.  |
|  | <b>Add Hot Spot</b>   | Add a camera, alarm input, or alarm output as the hot spot on the map. |
|  | <b>Add Hot Region</b> | Add an existing map as the hot region on the map.                      |
|  | <b>Icon Settings</b>  | Customize the icon of the hot spot and hot region.                     |
|  | <b>Add Label</b>      | Add a label with description to the map.                               |
|  | <b>Full Screen</b>    | Display map in full-screen mode.                                       |



## 6.2 Adding Hot Spot

**Purpose:**

You can add the camera, alarm input and alarm output element as the hot spot and place the hot

spot on the map.

**Steps:**

1. Click to select a map for adding the hot spot.
2. Click the icon  and the  appear next to the cursor. Move your mouse and click again to locate the hot spot on the map.
3. Set the parameters on the appearing right panel.
  - Select the hot spot type as camera, alarm input or alarm output element.
  - Check the checkbox (es) to select the corresponding entities. You can also search the entity by entering the key words in the **Search** filed.
  - Click **Add** to add the hot spot. You can also click **Add and Continue** to save the settings and continue to add hot spots.
4. The added hot spots display on the map and you can click-and-drag the hot spots to move it to the desired locations.
5. Click the hot spot and its detailed settings appear on the right panel. You can edit the hot spot name, select the hot spot icon style, choose the color for its name, and add remark to the hot spot.
 



For camera hot spot, you can edit the visual area for the camera, including radius, direction and angle of the camera. You can also click-and-drag the displayed sector of the hot spot to adjust the radius, direction and angle.
6. Click **Save** to save the settings.

## 6.3 Adding Hot Region

**Before you start:**

At least 2 maps have been added. Refer to *Chapter 6.1 Adding Map* for detailed configuration about adding maps.

**Steps:**



1. Click to select a map for adding the hot region.
2. Click the icon  and the  appear next to the cursor. Move your mouse and click again to locate the hot region on the map.
3. Check the checkbox to select the child map to link with and click **Add** on the appearing right panel.
4. The added hot region display on the map and you can click-and-drag the hot region to move it to the desired locations.
5. Click the hot region and its detailed settings appear on the right panel. You can edit the hot region name, select the hot region icon style, choose the name color, and add remark to the hot region.
6. Click **Save** to save the settings.

## 6.4 Icon Settings

### **Purpose:**

You can customize the icon of the hot region and hot spot and the customized the icons can be selected when managing the hot region and hot spot.

### **Steps:**

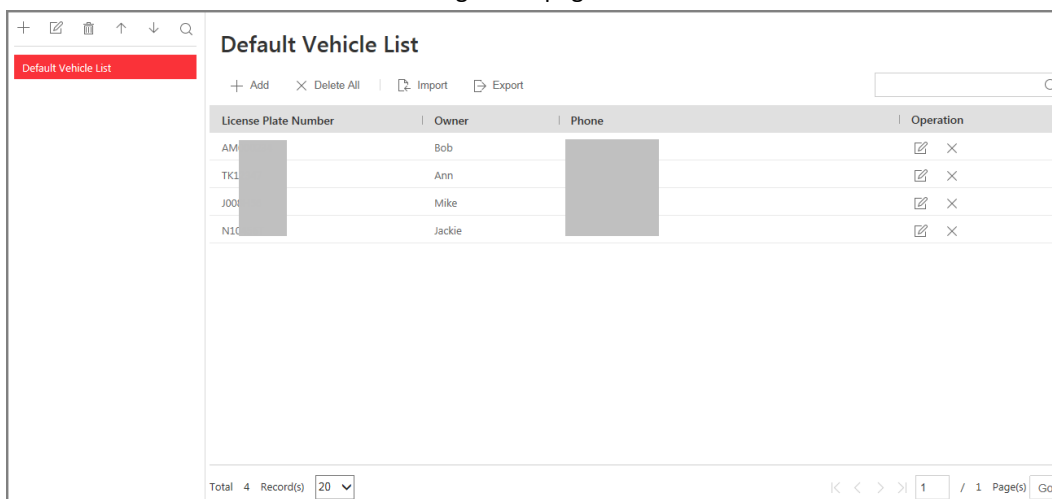
1. Click  and set the parameters on the right panel.
  - Select the icon type as hot region, camera, alarm input or alarm output hot spot.
  - Set the icon size. Be default, the aspect ratio of the icon is maintained. You can click  to cancel the aspect ratio.
  - Click **Add** to select a picture file from the local path. You can check the icon preview.  
**Note:** The picture format of the map can only be \*.png, \*.jpg, or \*.jpeg.
2. Click **Save** to complete the settings.

## Chapter 7 Vehicle Management

### Purpose:

You can import the vehicle information according to the pre-defined template, or add the vehicle information manually. The add vehicles can be used for ANPR alarm (matching license plate) when add the alarm settings.

Click the **Vehicle** to enter the Vehicle Management page.



### 7.1 Adding Vehicle List

#### Steps:

1. Click to pop up the adding vehicle list dialog.

2. Set a descriptive name for the vehicle list.
3. Optionally, you can click **Download Template** and import vehicle information in batch (refer to *Chapter 7.2.2 Import Vehicle Information*), or you can import vehicle information when checking vehicle list details (refer to *Chapter 7.2 Adding Vehicle Information*)
4. Click **Add** to add the vehicle list.

On the vehicle list area, you can click to edit the vehicle list name and click to delete the list, click or to adjust the list position, click and input the key word if you want to search the list.

## 7.2 Adding Vehicle Information

### Purpose

After adding the vehicle list, click a vehicle list to check the vehicles belonging to it, you can also add vehicle information to the list.

| License Plate Number | Owner | Phone | Operation  |
|----------------------|-------|-------|------------|
| h                    |       | 1     | [Edit] [X] |
| A                    | jsahk | 1     | [Edit] [X] |

Two ways are available for importing vehicle information to the vehicle list.

### 7.2.1 Manually Add Vehicle Information

#### Steps:

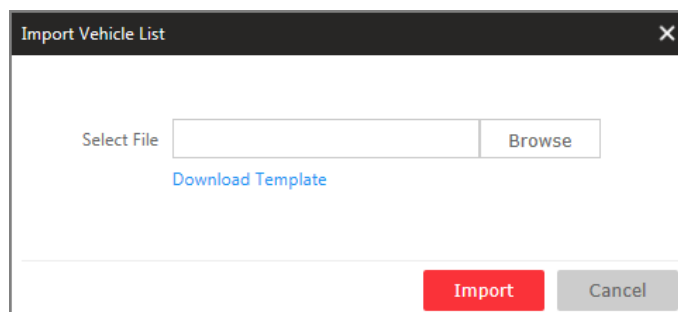
1. Click **Add** to enter the adding vehicle page and input the required information.

- **License Plate Number:** Input the vehicle's license plate number.  
**Note:** One license plate number can only be added to one vehicle list in Blazer Express. If the license plate number has already existed (in current vehicle list or other vehicle list), this item of vehicle information will not be added.
  - **Owner:** Input the name of the vehicle owner.
  - **Phone:** Input the phone number of the owner.
2. Click **Add** to add the vehicle information and back to the vehicle list page. You can also click **Add and Continue** to save the settings and continue to add other vehicles.

### 7.2.2 Import Vehicle Information



#### Steps:

1. You can also click **Import** and click **Download Template** save the template file (.csv) to your PC.



2. Open the exported template file and input the required information of the vehicles on the corresponding column.
  - **License Plate Number** (required): Input the vehicle's license plate number.
  - **Owner**: Input the name of the vehicle owner.
  - **Phone**: Input the phone number of the owner.
3. Click **Browse** and select the template file in the pop-up window.
4. Click **Import** to import the vehicles information.

**Note:** One license plate number can only be added to one vehicle list in Blazer Express. If the license plate number in the template file has already existed (in current vehicle list or other vehicle list), this item of vehicle information will not be imported.

You can click a piece of vehicle information to edit its parameters, click  to edit the vehicle information and click  to delete the vehicle information, you can also click **Delete All** to delete all the vehicle information.

Click **Export** to save the vehicle information of the list (CSV file) to your PC which can be imported to other vehicle list.

## Chapter 8 Role and User Management

### **Purpose:**

The Security page allows you to add and delete users, assign user's permissions for accessing and managing the system. Before adding users to the system, you should create roles to define the user's access rights to system resources and then assign the role to the user for granting the permissions to the user. A user can link with many different roles.

Click the **Security** to enter the User Management page.

| <input type="checkbox"/> | Name                          | Role Status | Expiry Date         | Description  | Operation |
|--------------------------|-------------------------------|-------------|---------------------|--|-----------|
|                          | <a href="#">Administrator</a> | Normal      | 2100-01-01 07:59:59 | The role has all the permissions                       |           |
|                          | <a href="#">Operator</a>      | Normal      | 2100-01-01 07:59:59 | The role has all the permissions of the control client |           |

Total 2 Record(s) 10 / 1 Page(s) Go

### 8.1 Role Management

#### **Purpose:**

You can assign the permissions to the roles as required, and the user can link to the role to obtain different permissions.

#### **Steps:**

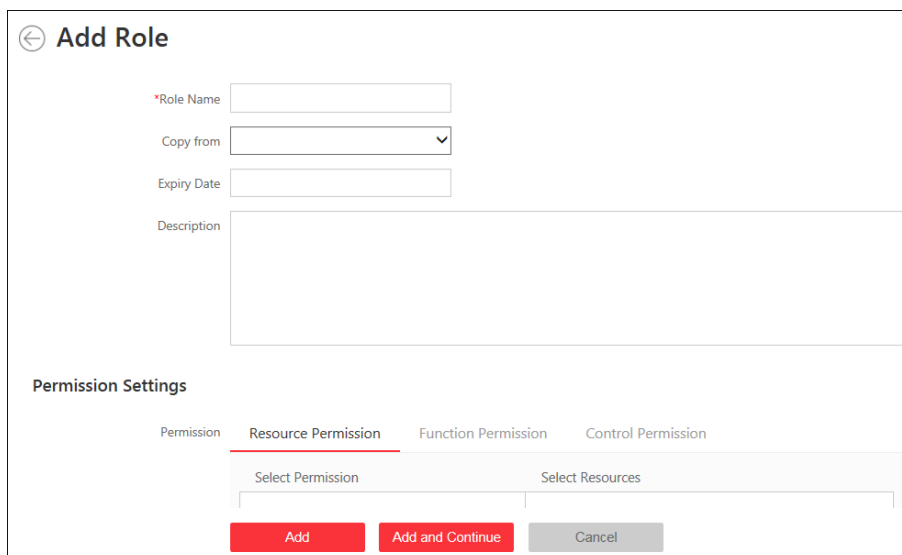
1. Open the User Management page and click **Roles**. The system pre-defines two default roles: administrators and operators.

- **Administrators:** The role that has all the permission of the Blazer Express.
- **Operators:** The role that has all the permission for operating the Control Client.

You can click the role name to view the details and operations. The two default roles cannot be edited or deleted.

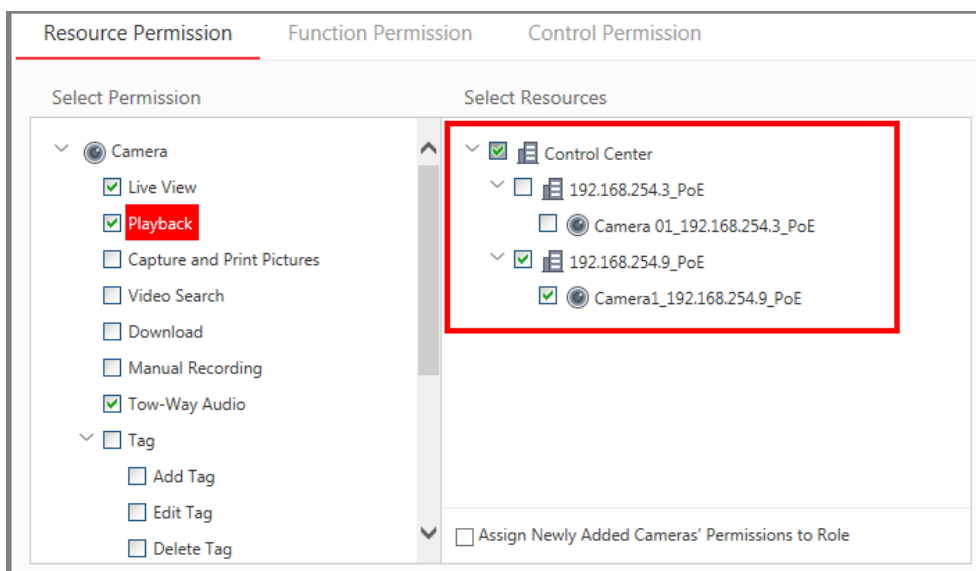
2. Click **Add** to enter the Add Role page.





3. Input the role name as desired.
4. (Optional) Select the default or pre-defined role from the **Copy from** drop-down list to copy the permission settings of it. If not, please perform step 5 to assign the permissions to the role. You can also set the expiry date and description for the role.
5. Assign the permissions to the role.
  - **Resource Permission:** Select the functions from the left panel and select resources from right panel to assign the selected resources' permissions to the role. Optionally, you can check corresponding checkbox, and all the newly added resources' corresponding permissions will be assigned to the role as well.

**Note:** If you do not check the resources checkboxes, the resource permission cannot be applied to the role.




- **Function Permission:** Check the checkbox to assign the functions to the role.
  - **Control Permission:** Check the checkbox to assign the control permissions to the role.
6. Click **Add** to add the role. You can also click **Add and Continue** to save the settings and continue to add roles.


## Managing the Role


**Purpose:**

After created, the role is added to the role list on the Role Management page. You can edit or delete the information of the roles.

Click the **Name** field or click  and you can edit the settings of the role.

Click **Refresh** to get the latest status of the roles.

To delete the information of the role, select the role from the list, and click **Delete** or click .

Click  and set the conditions for filtering the roles.

**Note:** The administrators and operators roles cannot be edited or deleted.

## 8.2 User Management

**Purpose:**

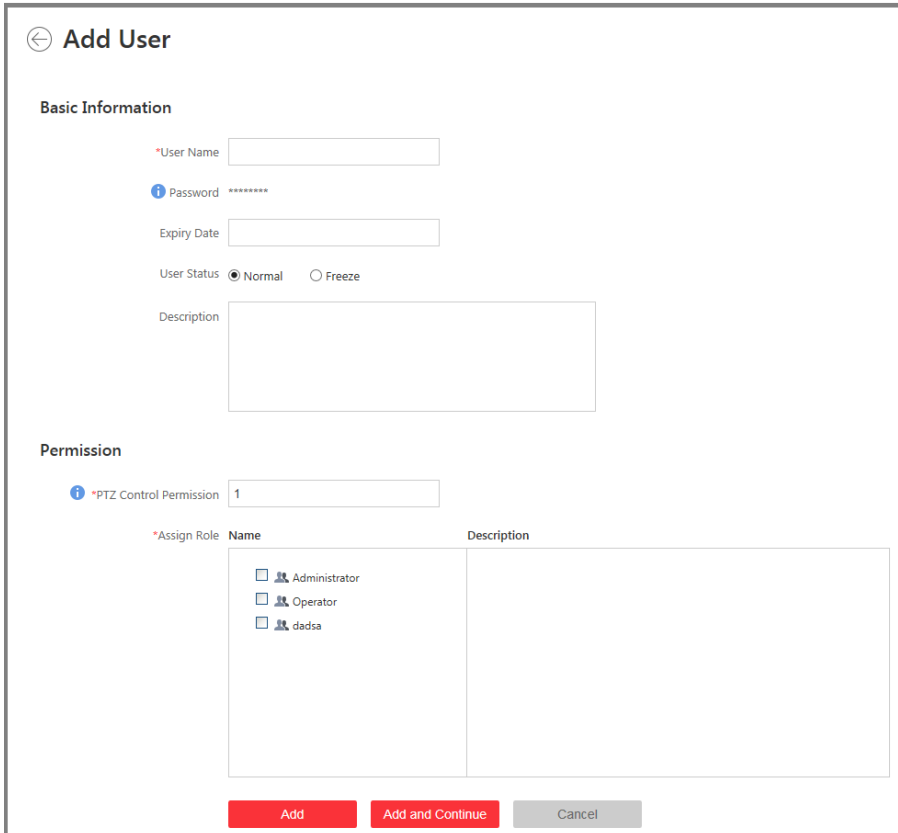
Users can be added for accessing the Blazer Express.

By default, the system pre-defined the administrator user named *admin* and it cannot be edited or deleted.

### Adding the User

**Steps:**


1. Open the User Management page and click **Users**.
2. Click **Add** to enter the Add User page.



**Add User**

**Basic Information**

\*User Name


 Password \*\*\*\*\*

Expiry Date

User Status  Normal  Freeze

Description

**Permission**

 \*PTZ Control Permission

\*Assign Role

| Name                                   | Description |
|--|-------------|
| <input type="checkbox"/> Administrator |             |
| <input type="checkbox"/> Operator      |             |
| <input type="checkbox"/> dadsa         |             |

**Add** **Add and Continue** **Cancel**

3. Input the user name, expiry date, user status, description, and PTZ control permission as desired.

- **Expiry Date:** The date that this user account becomes invalid.

- **User Status:** Two kinds of status are available. If you select freeze, the user account is inactive until you set the user status as normal.
- **PTZ Control Permission:** Set the permission level (1~100) for PTZ control and the larger the value is, the higher permission the user has. E.g., when user1 and user2 control the PTZ unit at the same time, the user who has the larger PTZ control permission will take the control of the PTZ movement.

**Note:** For user name, only letters(a-z, A-Z), digits(0-9), and - can be contained.

4. Check the checkboxes of the existing roles to assign the role(s) for the created user.

**Note:** If no role has been added, two default roles are selectable: administrator and operator. Administrator is the role that owns all the permission of the Blazer Express, and operator is the role that owns the all the permission of the Blazer Express Control Client. If you want to add customized roles, please refer to *Chapter 8.1 Role Management*.

5. Click **Add** to add the user. You can also click **Add and Continue** to save the settings and continue to add users.

The user's initial password is **Abc123** which is used for first login and you will be asked for changing the password when logging in with initial password.

For changing the password, refer to *Chapter 2.1 Login via Web Client*.




- *The password strength can be checked by the system. For your privacy, we strongly recommend setting the password to 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.*

## Managing the User

### **Purpose:**

After created, the user account is added to the user list on the User Management page. The following operations are available for managing the user.

**Edit:** Click the **User Name** field of the user or click  to edit the information or click **Reset** to reset the password of the user.

If you reset the password, the user's password will be reset to its initial password **Abc123**. The user should log in with initial password and then change the password.

**Note:** The admin user can reset the passwords of all the other users. Other users with Security permission (in Function Permission) can reset the passwords of the users without Security permission.

For changing the password, refer to *Chapter 2.1 Login via Web Client*.



- *The password strength can be checked by the system. For your privacy, we strongly recommend setting the password to 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.

**Refresh:** Click **Refresh** to get the latest status of the users.

**Delete:** To delete the information of the user, select the user from the list, and click **Delete** or click **X**.

**Force Logout:** You can also select the online user and click **Force Logout** to log out the online user.

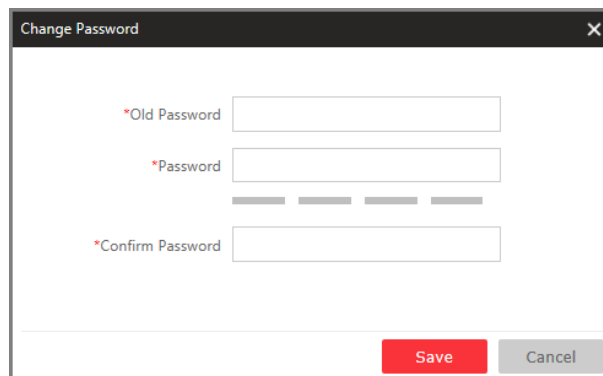
Click **∨** and set the conditions for filtering the users.

**Note:** The *admin user* cannot be edited, deleted or forced to log out.

## Changing Password

### Steps:

1. At the top right corner of the system, click the current login user and select **Change Password**.



2. Input the old password, new password and confirm password.



- The password strength can be checked by the system and should meet the minimum password strength requirements (refer to Chapter 9 Security). For your privacy, we strongly recommend changing the password to 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.
3. Click **Save** to save the settings.

## Chapter 9 Security

### Purpose:

Set the minimum password strength, IP address locking to prevent malicious attacks, and other security policy settings to increase the security of your product.

Click the **Security** and select Security Settings to enter the Security Settings page.

The screenshot displays the 'Security Settings' page. On the left, a sidebar menu includes 'Roles', 'Users', and 'Security Settings' (highlighted in red). The main content area is titled 'Security Settings' and contains the following controls:

- Lock IP Address:** A toggle switch set to 'ON'.
- Failed Login Attempts:** A dropdown menu set to '5 times'.
- Lock for:** A dropdown menu set to '10 min.'.
- Minimum Password Strength:** Radio buttons for 'Weak', 'Medium' (selected), and 'Strong'.
- Enable Maximum Password Age:** A toggle switch set to 'ON'.
- Password Will Expire in:** A dropdown menu set to '3 months'.
- Auto Lock Control Client:** A toggle switch set to 'ON'.
- Lock in:** A dropdown menu set to '30 min.'.

A red 'Save' button is located at the bottom center of the settings area.

### Steps:

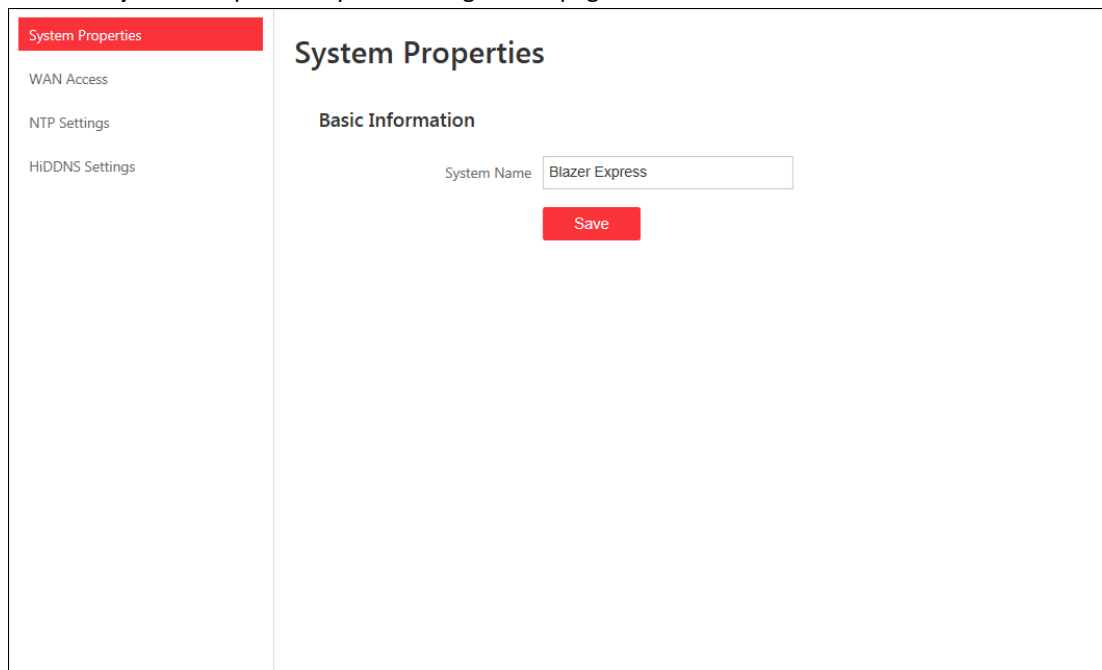
1. Set **Lock IP Address** switch as ON and the number of login attempts is limited.
2. Select the allowable login attempts for accessing Blazer Express.  
**Note:** Login attempt includes failed password attempt and failed verification code attempt.
3. Set the locking duration for this IP address. During the locking duration, the login attempt from this IP address is not allowed.
4. Select the minimum password strength to define the minimum complexity requirements that the password should meet.
5. Set **Enable Maximum Password Age** switch as ON to force user to change the password when password expires.
6. Set the maximum number of days that the password is valid. After this number of days, you will have to change the password. You can select the pre-defined time length or customize the time length.
7. Set **Auto Lock Control Client** switch as ON to lock the Control Client after a time period of inactivity on Control Client.
8. Select time period for user inactivity. You can select the pre-defined time period or customize the time period.
9. Click **Save** to confirm the settings.

## Chapter 10 System Configuration

### **Purpose:**

The station name, IP address, and HiDDNS settings can be configured.

Click the **System** to open the System Configuration page.



The screenshot shows the 'System Properties' configuration page. On the left, a sidebar lists 'System Properties', 'WAN Access', 'NTP Settings', and 'HiDDNS Settings'. The 'System Properties' section is active. The main content area is titled 'System Properties' and contains a 'Basic Information' section. Under 'Basic Information', there is a 'System Name' label followed by a text input field containing 'Blazer Express'. Below the input field is a red 'Save' button.

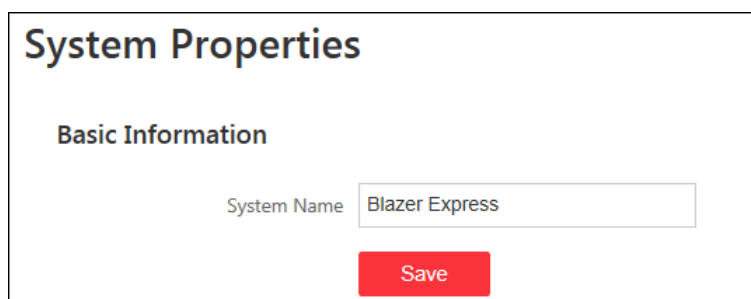
### 10.1 System Properties

#### **Purpose:**

You can set a name for the Blazer Express as desired.

#### **Steps:**

1. Open the System Management page and click **System Properties**.



The close-up screenshot shows the 'System Properties' configuration page. The main content area is titled 'System Properties' and contains a 'Basic Information' section. Under 'Basic Information', there is a 'System Name' label followed by a text input field containing 'Blazer Express'. Below the input field is a red 'Save' button.

2. Customize a name for Blazer Express.
3. Click **Save** to save the settings.

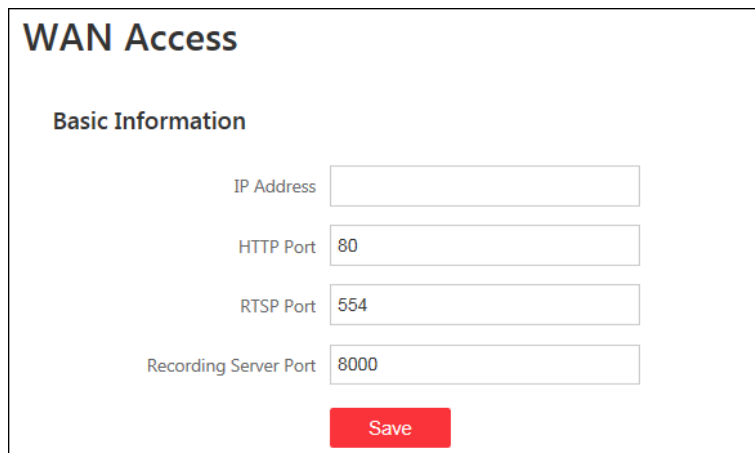
### 10.2 WAN Access

#### **Purpose:**

You can set the static IP address and ports to Blazer Express for accessing the station via WAN.

**Steps:**

1. Open the System Configuration page and click **WAN Access**.



**WAN Access**

**Basic Information**

IP Address

HTTP Port

RTSP Port

Recording Server Port

**Save**

2. Input a static IP address for WAN access.
3. Set the HTTP, RTSP, and Server port for Blazer Express.
4. Click **Save** to save the settings.

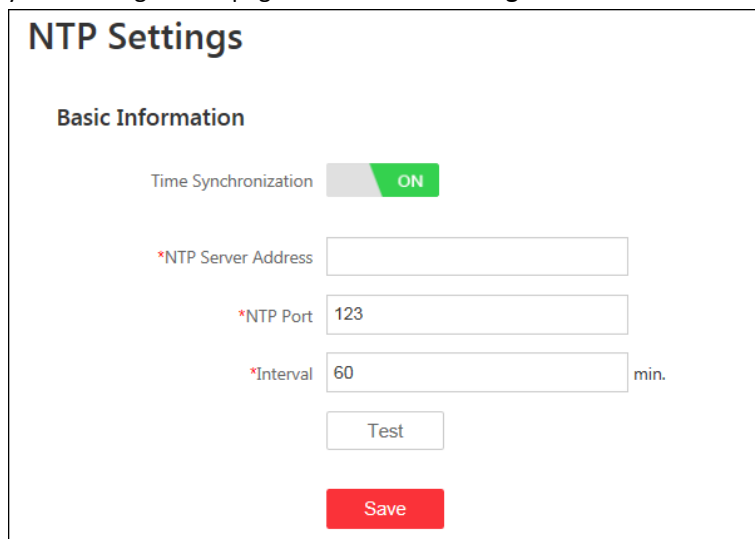
## 10.3 NTP Settings

**Purpose:**

The NTP settings can be set for syncing the time between the Blazer Express and the NTP server.

**Steps:**

1. Open the System Configuration page and click **NTP Settings**.



**NTP Settings**

**Basic Information**

Time Synchronization  ON

\*NTP Server Address

\*NTP Port

\*Interval  min.

**Test**

**Save**

2. Set the **Time Synchronization** switch as ON to enable the NTP function.
3. Set the NTP server address and NTP port.
4. Set the interval for automatic time synchronization. By default, it is 60 minutes.
5. You can click **Test** to test the communication between the Blazer Express and NTP server.
6. Click **Save** to save the settings.

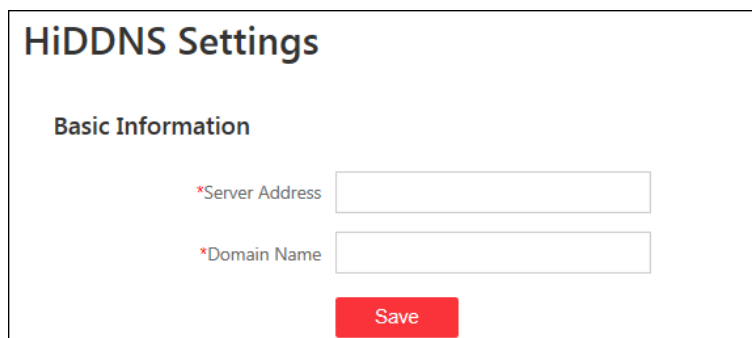
## 10.4 HiDDNS Settings

**Purpose:**

Set the HiDDNS server and domain name of Blazer Express so that you can access Blazer Express with the domain name via Internet.

**Steps:**

1. Open the System Configuration page and click **HiDDNS Settings**.



The screenshot shows a web form titled "HiDDNS Settings". Under the heading "Basic Information", there are two input fields: "\*Server Address" and "\*Domain Name". Both fields are empty. Below the fields is a red button labeled "Save".

2. Input the HiDDNS server address in **Server Address** field.
3. Input the Blazer Express domain name registered on HiDDNS server in **Domain Name** field.
4. Click **Save** to save the settings.



# Chapter 11 Camera Viewer

## Purpose:

The Blazer Express also provides functionalities of live view, playback, and local configuration through web browser.

**Note:** The Camera Viewer module is not available for the Web Client running via Blazer Express.

## 11.1 Live View

### Purpose:

On the Live View page, you can view the live video of the added cameras and do some basic operations, including picture capturing, recording, PTZ control, and so on.


### Before you start:

An area with cameras assigned to is required to be defined for live view.

Click the **Live View** tab to open the Live View page.

### Starting Live View






#### Steps:

1. Click **Live View** on home page to enter the Live View page.
2. Optionally, move your mouse to  icon in the live view toolbar, and select a window division mode.
3. Click-and-drag the camera to the display window, or double-click the camera name after selecting the display window to start the live view.







#### Live View Toolbar:



On the Live View page, the following toolbar buttons are available:

|   |                       |  |
|---|-----------------------|--|
|  | <b>Audio on/Mute</b>  | Turn on/off the audio in live view.  |
|  | <b>Stop Live View</b> | Stop the live view of all cameras.   |
|  | <b>Set Layout</b>     | Set the window division mode. Two types of screen layout modes are selectable: 1-window, and 4-window. |
|  | <b>Full Screen</b>    | Display the live view in full-screen mode. Press <b>ESC</b> to exit.                                   |
|  | <b>Show PTZ Panel</b> | Show the PTZ control panel.  |

Move the mouse over the display window during live view, the following icons show.


|   |                             |   |
|---|-----------------------------|---|
|  | <b>Capture</b>              | Capture the picture in the live view process.   |
|  | <b>Start/Stop Recording</b> | Start/Stop the manual recording. The video file is stored in the PC.  |
|  | <b>Instant Playback</b>     | Open the instant playback window, enter the time duration and click Search to find and play back the record file. |
|  | <b>Two-way Audio</b>        | Start two-way audio with the camera.  |
|  | <b>Digital Zoom</b>         | Enable/Disable the digital zoom function.   |
|  | <b>Main Stream</b>          | Click to switch between main stream and sub-stream for live view.   |

### PTZ Control

**Purpose:**

Cameras with the pan/tilt/zoom functionality can be controlled through the web browser. You can also set the preset, patrol and pattern for the cameras.




Click the  to show the PTZ Control panel on the Live View page.



The PTZ Control panel consists of several components:



- Direction Button, Auto-scan and PTZ speed:** A circular control with a central play button, four directional arrows (up, down, left, right), and a curved outer ring. Labels 'MIN' and 'MAX' are at the bottom.
- Zoom:** A button with a magnifying glass and a plus sign.
- Focus:** A button with a square and a plus sign.
- Iris:** A button with a lens icon.
- Auxiliary Focus:** A button with a square and a plus sign.
- 3D Positioning:** A button with a '3D' label and a camera icon.
- Light:** A button with a lightbulb icon.
- Wiper:** A button with a wiper icon.
- Lens Initialization:** A button with a camera icon and a refresh symbol.

Below the main controls is a list of presets:

|  |  |  |
|---|---|---|
| Preset1   |   |   |
| Preset2   |   |   |
| Preset3   |   |   |
| Preset4   |   |   |
| Preset5   |   |   |
| Preset6   |   |   |
| Preset7   |   |   |
| Preset8   |   |   |
| Preset9   |   |   |

**Configuring the Preset**


Perform the following steps to add a preset:


1. Click the  tab to enter the PTZ preset configuration panel.
2. Click the direction buttons to move the camera to the desired view.
3. Select a PTZ preset No. from the preset list and click .

4. Input the name of the preset in the pop-up dialog box.
5. Click **OK** to save the settings.

**Note:** Up to 256 presets can be added.

To call a configured preset, double-click the preset, or select the preset and click the icon .

To edit a configured preset, select the preset from the list and click the icon .

To delete a configured preset, select the preset from the list and click the icon .







## Configuring the Patrol

A patrol is a scanning track specified by a group of user-defined presets, with the scanning speed between two presets and the dwell time at the preset separately programmable.

### **Before you start:**

Two or more presets for one PTZ camera need to be added.

Perform the following steps to add and call a patrol:

1. Click the  button to enter the PTZ patrol configuration panel.
2. Select a path No. from the drop-down list and click .
3. Click **+** to add a preset, and set the dwell time and patrol speed.
4. Repeat the above operation to add other presets to the patrol.
5. Optionally, you can click double click the corresponding field of the preset to edit the settings, or click **x** to remove the preset, or click   to adjust the preset position.
6. Click **OK** to save the patrol settings.
7. Click the icon  to call the patrol. To stop calling the patrol, click .






### **Notes:**

- Up to 8 patrols can be configured.
- The preset dwell time can be set to 1 to 30 seconds, and the patrol speed can be set to level 1 to 40.

### Configuring the Pattern

Patterns can be set to record the movement of the PTZ.

Perform the following steps to add a pattern:

1. Click the  button to enter the PTZ pattern configuration panel.
2. Click  to start recording of this pattern path.
3. Use the direction buttons and other buttons to control the PTZ movement.
4. Click  to stop and save the pattern recording.
5. Click the  icon to call the pattern. To stop calling the pattern, click .

**Note:** Only one pattern can be configured, and the newly-defined pattern will overwrite the previous pattern.

## 11.2 Playback

### **Purpose:**

The video files stored on the HDDs on Blazer Express can be searched and played back remotely through the web browser.













Click the **Playback** tab to open the Playback page.

If the plug-in has not been installed, you should install the plug-in before you can access the functions.

- I. Click **Please click here to download and install the plug-in. Close the browser when installing the plug-in.**, save the plug-in file and then close the web browser.
- II. Install the plug-in according to the prompt.
- III. After the installation, re-open the web browser and enter Camera Viewer.

**Playback Toolbar:**

On the Playback page, the following toolbar icons are available:



|   |                             |  |
|---|-----------------------------|--|
|  | <b>Audio on/Mute</b>        | Turn on/off the audio in playback.   |
|  | <b>Reverse Playback</b>     | Play back the record file reversely. Click  to stop the playback and click  to start reverse playback. |
|  | <b>Pause/Start Playback</b> | Pause/ Start the playback of the record files.   |
|  | <b>Single Frame</b>         | Play back the record files frame by frame.   |
|  | <b>Slow Forward</b>         | Play back the record file at a slower speed.   |
|  | <b>Fast Forward</b>         | Play back the record file at a faster speed.   |
|  | <b>Stop Playback</b>        | Stop the playback of all cameras.  |
|  | <b>Set Window Division</b>  | Set the window division mode. Two types of screen layout modes are selectable: 1-window, and 4-window.   |
|  | <b>Full Screen</b>          | Display the playback in full-screen mode. Press <b>ESC</b> to exit.  |
|  | <b>Filter</b>               | Display the video types as desired. E.g., you can select to display only the event recording.  |

## Playing Back Video Files

You can control the video playback in the following way:

**Playback by Timeline**

The timeline indicates the time duration for the video file. Click on the timeline to play back the video of the specific time.




You can click  or  to scale up or scale down the timeline bar.

You can use the mouse wheel to zoom in or zoom out on the timeline.

Move the mouse pointer to the display window in playback to show the toolbar.

**Toolbar in Each Playback Display Window:**

In each playback display window, the following toolbar icons are available:

|   |                            |  |
|---|----------------------------|--|
|  | <b>Stop Playback</b>       | Stop the playback of the camera.             |
|  | <b>Capture</b>             | Capture the picture in the playback process. |
|  | <b>Start/Stop Clipping</b> | Start/Stop clipping the video files.         |

## 11.3 Local Configuration

**Purpose:**

The general parameters, such as network performance, play performance, capture mode and saving paths of files, can be configured through the web browser.

Click the **Local Configuration** tab to open the Local Configuration page.

**Steps:**

1. Click **Local Configuration** on home page to the Local Configuration page.
2. Set the corresponding parameters as desired.
3. Optionally, you can click **Default Value** to restore the defaults of the settings.

4. Click **Save** to save the settings.

**Table System Parameters**

| <b>Parameters</b>                 | <b>Descriptions</b>  |
|-----------------------------------|--|
| <b>Network Performance</b>        | According to the current network conditions to set it as Normal, Better or Best.   |
| <b>Play Performance</b>           | The play performance of the live video. You can set it as Shortest Delay or Self-adaptive according to the hardware performance of the PC. |
| <b>Picture Format</b>             | Set the file format for the captured pictures during live view or playback.  |
| <b>Saving Path of Video Files</b> | The saving path of video files recorded by manual recording during live view, the clipped video during playback.                           |
| <b>Saving Path of Pictures</b>    | The saving path of the captured pictures in live view or playback.   |

# Appendix

## Important Ports

Blazer Express uses particular ports when communication with other servers, devices, etc.

Make sure that the following ports are not occupied for data traffic on your network and you should open these ports in the firewall in case you may need to access the system via other networks.

|                                      |  |
|--------------------------------------|--|
| <b>80</b>                            | Used for communication between client and Blazer Express (HTTP).                                     |
| <b>554</b>                           | Used for Streaming Server to get stream (RTSP).  |
| <b>8000</b>                          | Used for communicating with Recording Server (TCP).  |
| <b>9990</b>                          | Used for Nginx Server to communicate with Recording Server (HTTP).                                   |
| <b>9998</b>                          | WebSocket port for Nginx Server to communicate with VSM (HTTP).                                      |
| <b>9999</b>                          | Used for interaction between Nginx Server and VSM Server (HTTP).                                     |
| <b>25</b>                            | Used for normal Email Server (TCP).  |
| <b>465 / 587</b>                     | 465 or 587 is used for Email Server with SSL encryption and is determined by the Email Server (TCP). |
| <b>3389</b>                          | Used for remote desktop connection (TCP).  |
| <b>68</b>                            | Used for DHCP Client service to get IP address automatically (UDP).                                  |
| <b>8087-8097</b>                     | Used for devices connected via ONVIF to send alarms to Blazer Express (TCP).                         |
| <b>9991-9997 and<br/>19980-19999</b> | Reserved ports.  |



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