Thermal

Release Notes

01

System Version

New firmware update model

- DF/BF1241-S8 NEW

Products	GDP NO.	Version
DF/BF1241-S8	2.6.01.05.089782	DH_TPC-BF1241-B-S8_MultiLang_PN_V2.680.0000000.3.R.241012.zip
	2.6.01.05.089784	General_TPC-BF1241-B-S8_MultiLang_PN_V2.680.0000000.3.R.241012.zip

02

New Functions

New functions list NEW

- Shield Area
- Reflection Filter
- Distance Mode
- Rule Info Display
- Target Info Display
- Image Size Normalization
- Rule Group Config
- Scene Changing
- HTTP PUSH 2.0

354803 Jia hua 2024-11-20

New Functions

Apply Model

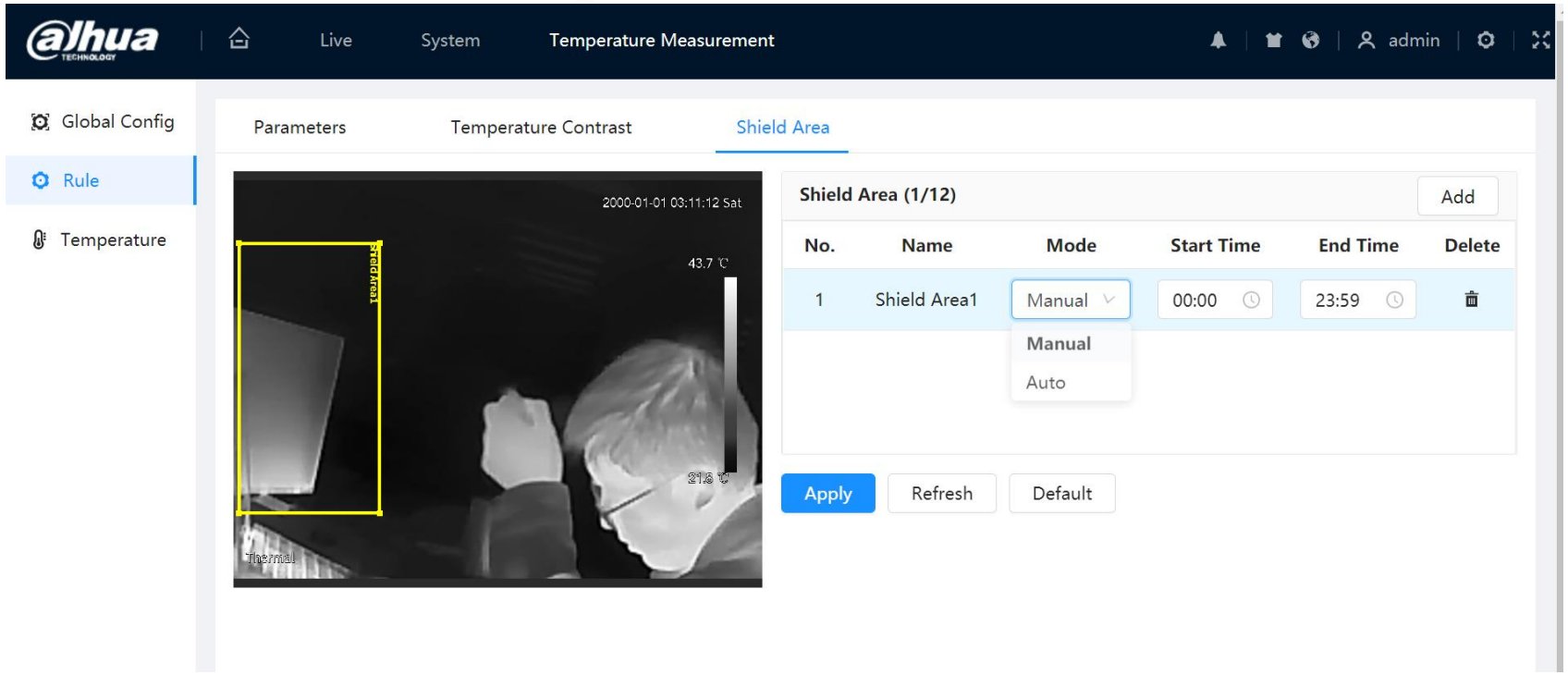
NEW

DF/BF1241-S8-T

Shield Area

➢ Shield Area for Temperature Measurement

- Step1: Select **Temperature Measurement > Rule > Shield Area.**
- Step2: Click **Add** to add a shield area.
  1) You can add 12 shield area at most.
  2) Click to delete the shield area.
- Step3: Double-click the name to modify the shield name.
- Step4: Set the mode.
  1) Manual: Select **Manual** as the mode, and then set the begin time and end time. The shield time is valid during the configured time.
  2) Auto: Select **Auto** as the mode, and the shield area takes effect according to the day & night mode of the visible channel. The shield area is valid during the day time (when ICR is in color), and it is not valid during the night time (when ICR is black and white).



New Functions

Apply Model

NEW

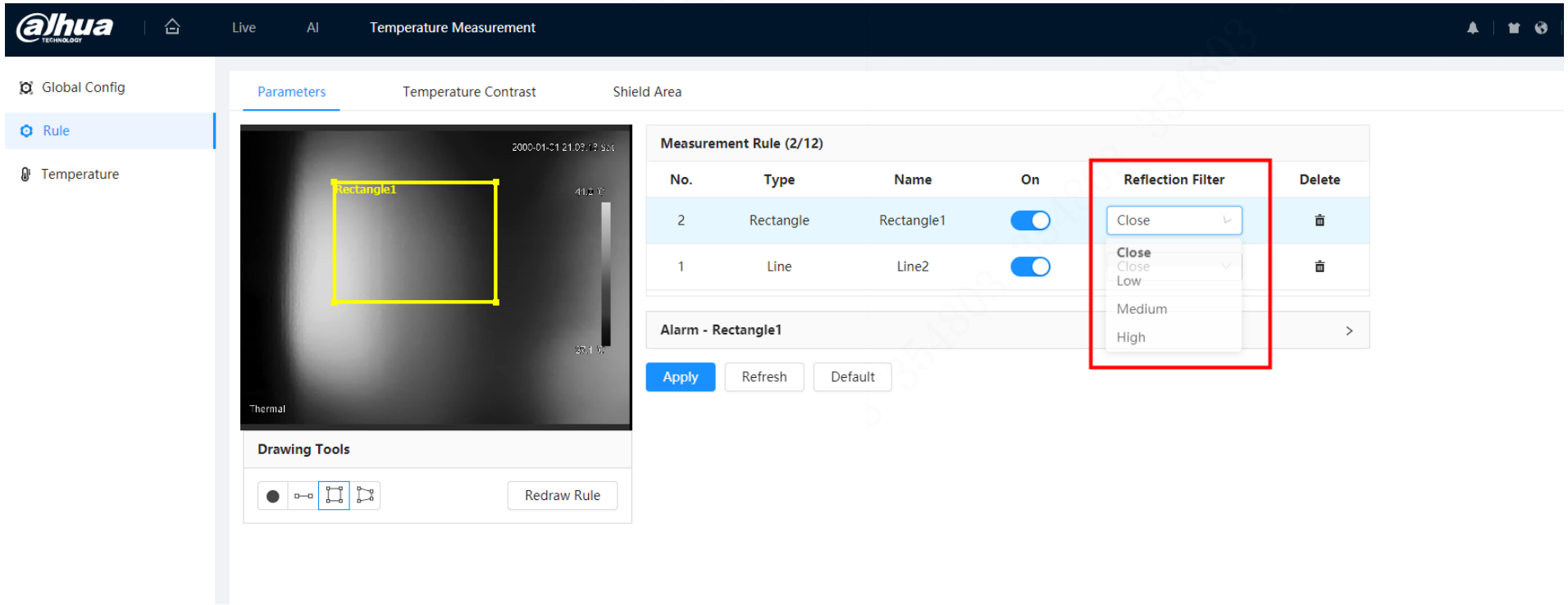
DF/BF1241-S8-T

Reflection Filter

➢ Reflection Filter for Temperature Measurement

- Enable the reflection filter function, and then set the sensitivity.
- Enabling the reflection filter function can reduce the false alarms caused by reflection
- The **Low** mode is recommended by default. **Medium** and **High** mode are reserved for special scenarios.

  If in doubt, contact technical support to evaluate the current scenario and then recommend the mode



New Functions

Apply Model

NEW

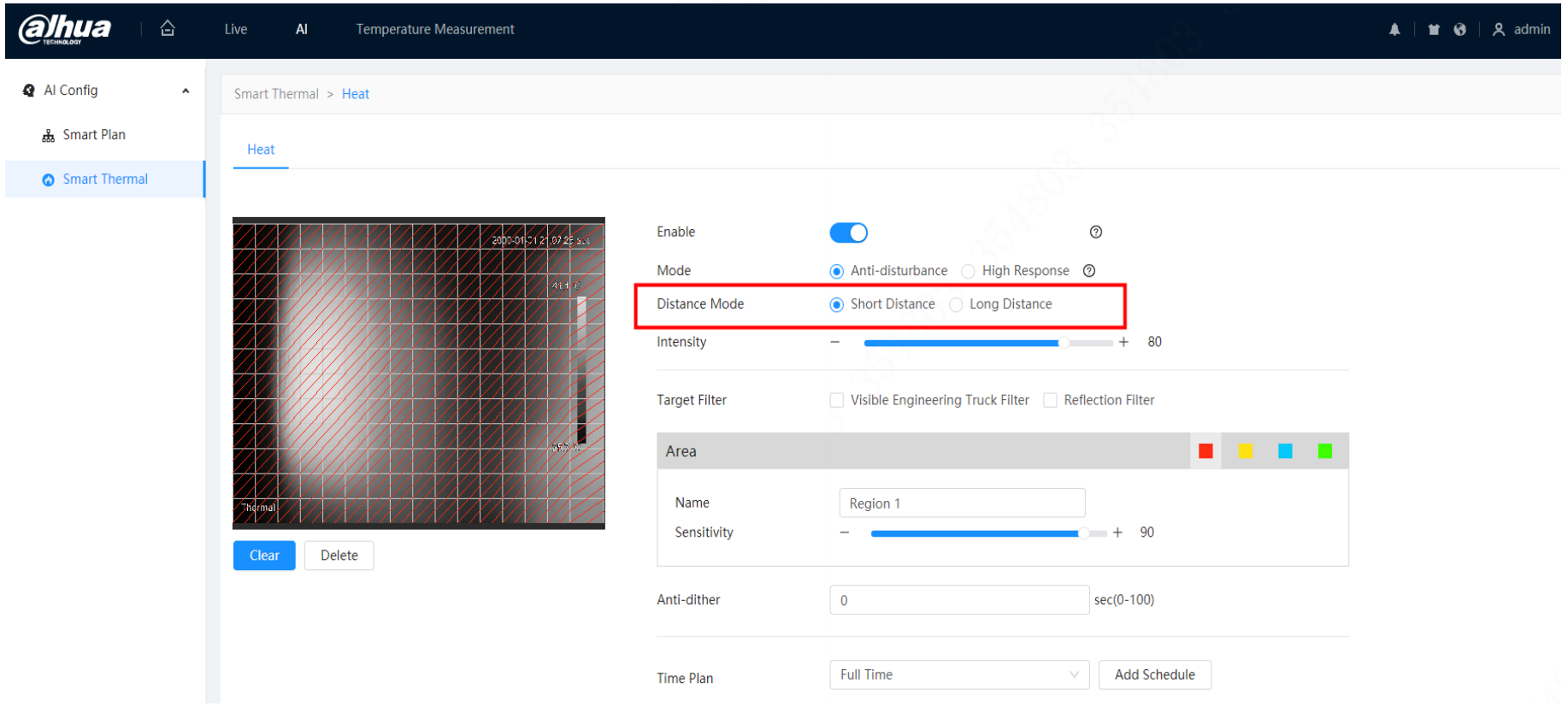
DF/BF1241-S8(-T)

Distance Mode

➢ Distance Mode for Heat Detection

Select the distance mode

- Short distance: It is suitable for scenarios with high false alarm targets and low detection distance requirements, such as parking lots, warehouses.
- Long distance: It is suitable for forest fire prevention scenarios.



New Functions

Apply Model

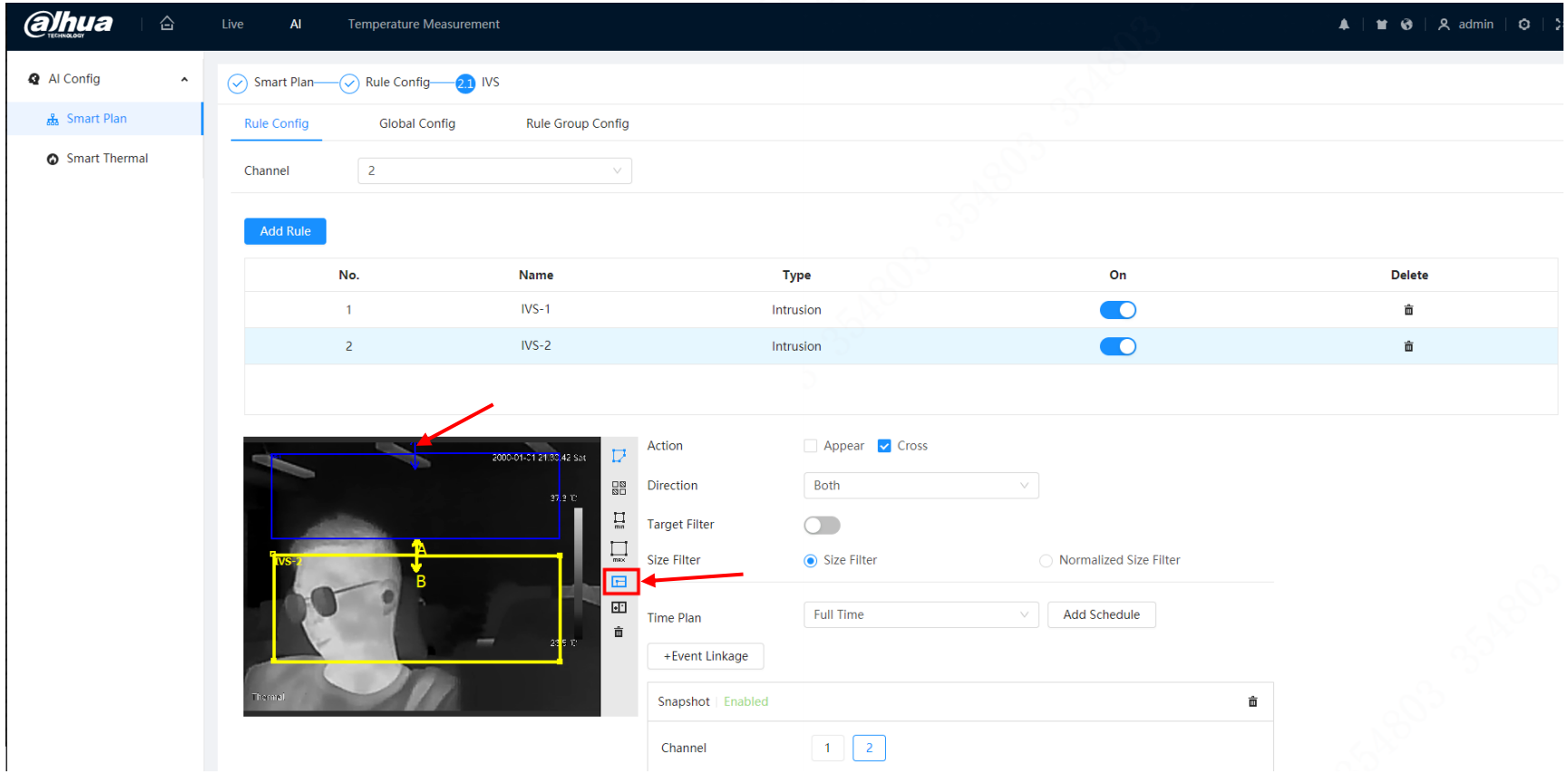
NEW

DF/BF1241-S8

Rule Info Display

➢ **Rule Info display for IVS: Display all the saved rules to assist multiple rules drawing.**

- Step1: Click **Add Rule**, and set the intrusion alarm rule.
- Step2: Click (Rule Info)
- Step3: Click **Add Rule**, When you drawing the new IVS rule, the saved rules can be displayed in the screen.



New Functions

Apply Model

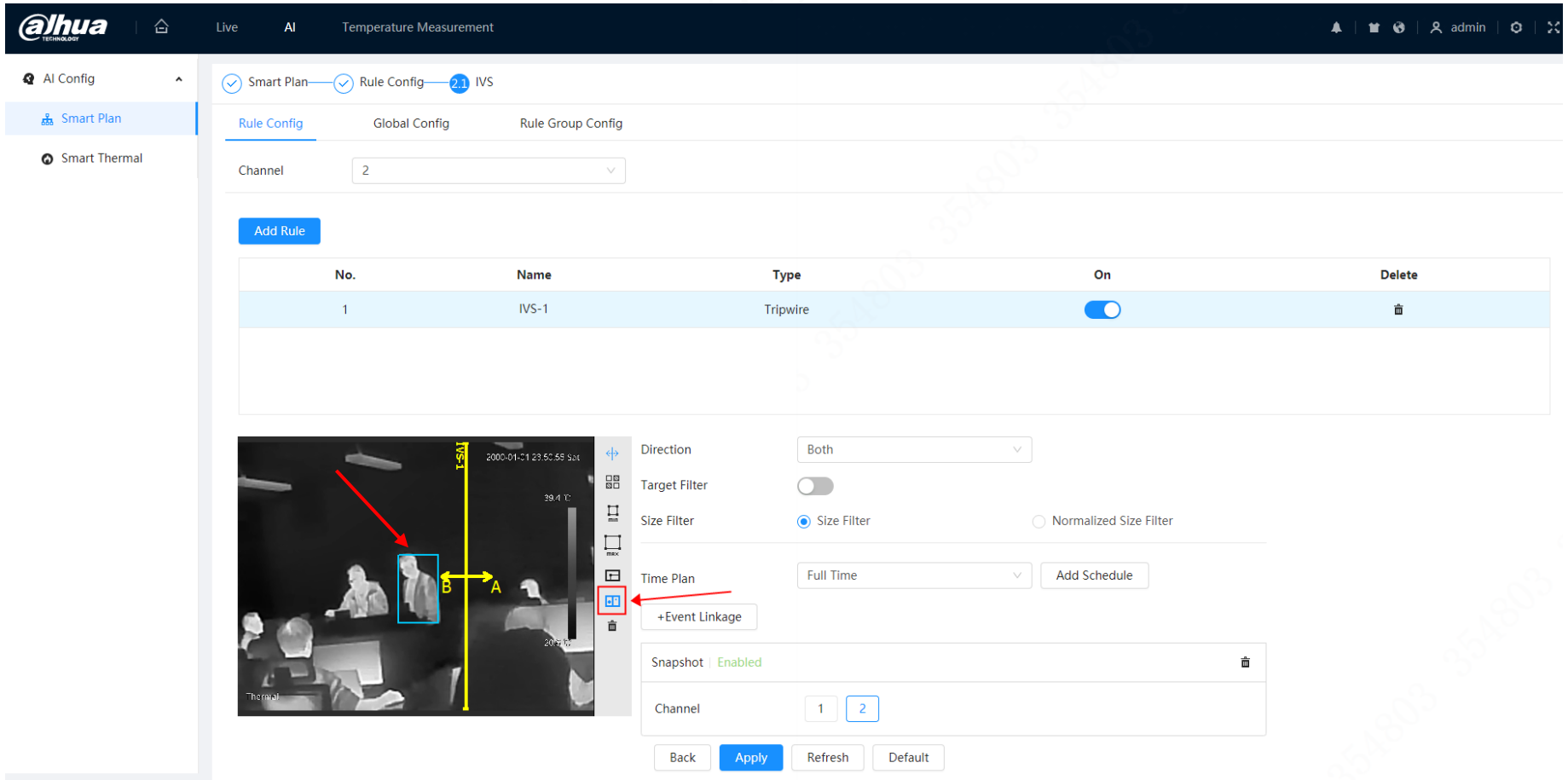
NEW

DF/BF1241-S8

Target Info Display

- **Target Info display for IVS: Display the detection box to assist target size drawing.**
  (This function is to assist in image size normalization, see the next page for details on video)

- Step1: Click **Add Rule**
- Step2: Click (Target Info)
- When you set the IVS alarm rule, the target detection box can be displayed in the screen.



New Functions

Apply Model

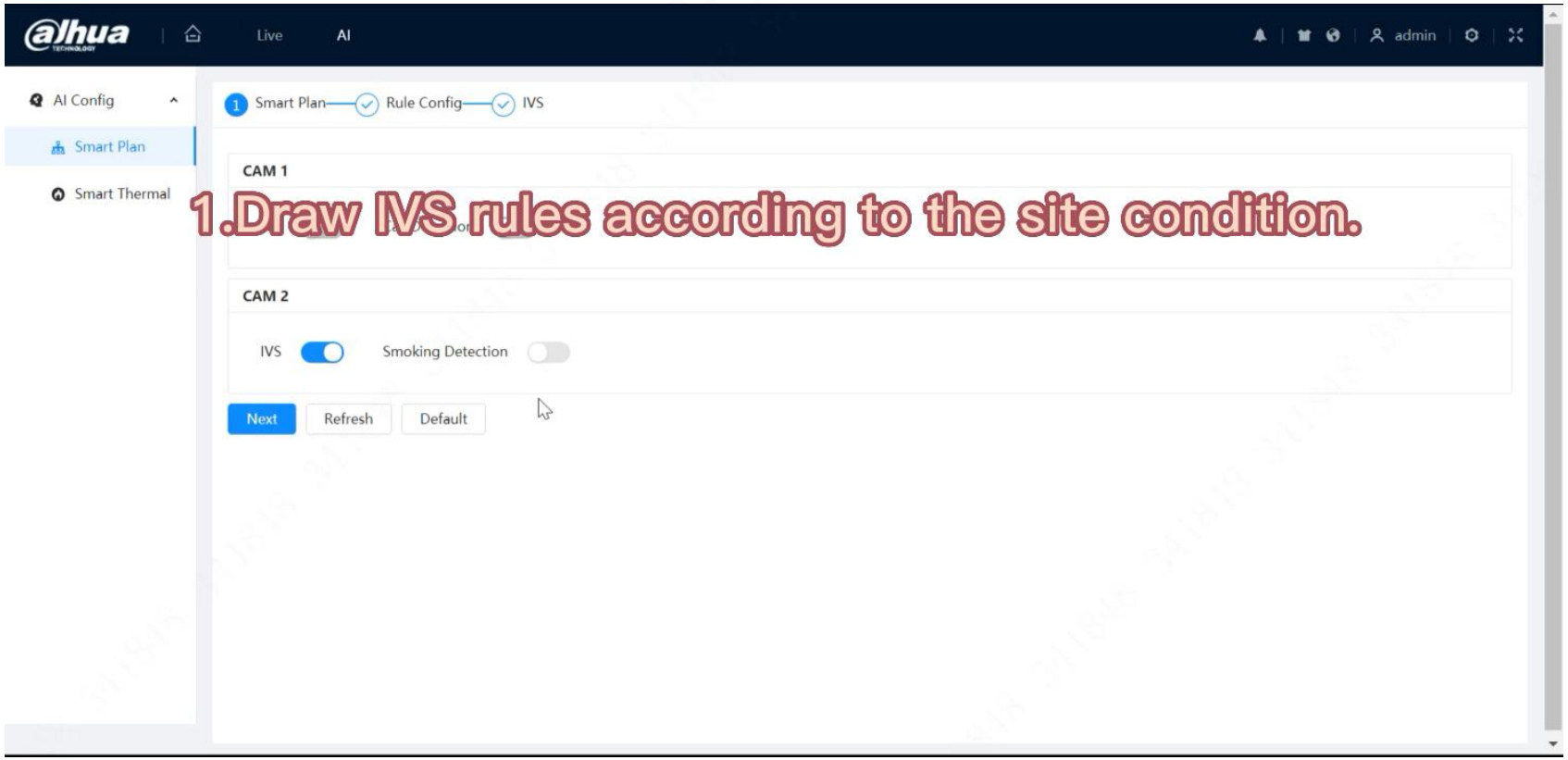
NEW

DF/BF1241-S8

Image Size Normalization

➢ **Image Size Normalization for IVS:**

- You can draw two suits of filter lines on the image from far to near. According to the size of the drawn filter line, the device scales the filter target proportionally from far to near, so detection will be more accurate and reduce false alarm caused by animals.
- Below is the configuration video:



New Functions

Apply Model

NEW

DF/BF1241-S8

Rule Group Config

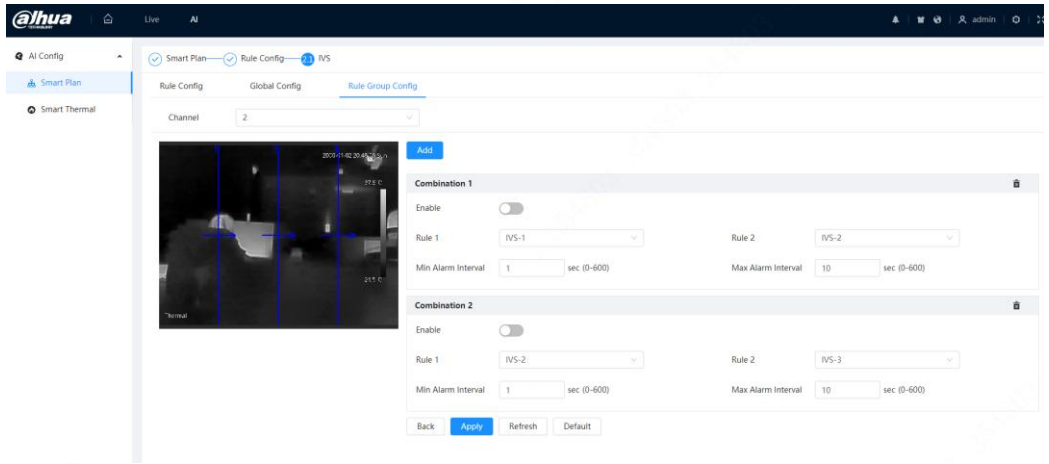
➢ **Rule Group Config for IVS:** Use rule group combination to ensure that only if the target move from the outside to the inside (the reasonable path of intrusion), will the alarm be triggered, which can effectively reduce false alarms.

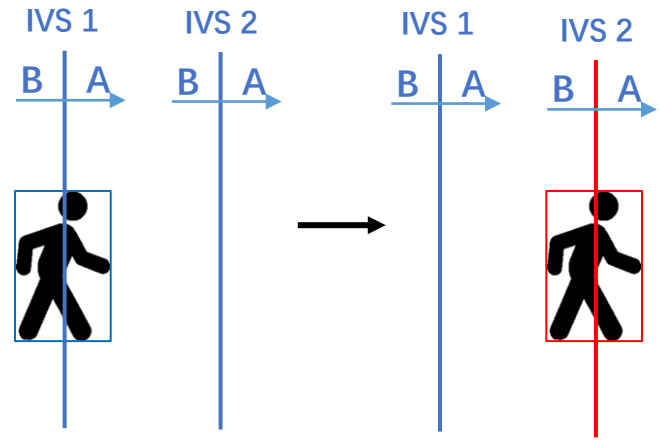
- Step1: Click the **Rule Group Config** tab.
- Step2: Click **Add** to add new rule group.

  1) You can add 5 rule groups at most.

  2) The 2 rules in a group cannot be the same. Error example: Combination 1: Rule 1, Rule 1.

  3) Different group cannot contain the same rule combination. Error examples: Combination 2: Rule 2, Rule 1; Combination 3: Rule2, Rule 1.
- Step3: Click **Rule 1** and **Rule 2** to select the rule (You can set the combinations of all rule types.)
- Step4: Set the minimum alarm interval and maximum alarm interval. For example, the minimum alarm interval is set to be 0s and the maximum alarm interval is 10s, when the target across the two lines in 10s, an alarm is triggered.
- Step5: Click **Apply.**





New Functions

Apply Model

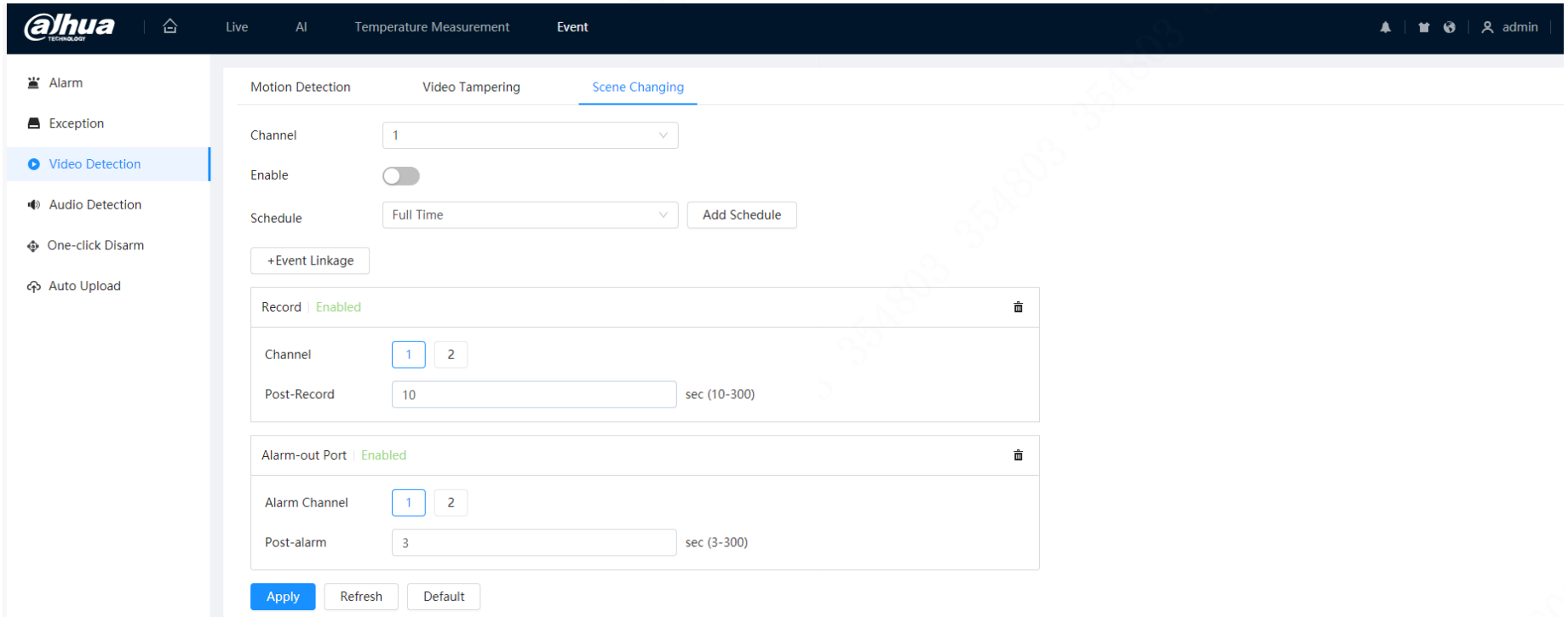
NEW

DF/BF1241-S8(-T)

Scene Changing

➢ **Scene Changing:** The system performs alarm linkage when the image switches from the current scene to another one.

- Step1: Select ⚙ **> Event > Video Detection > Scene Changing**
- Step2: Set the parameters of visible and thermal channels
- Step3: Click ⬭ to enable the scene changing function.
- Step4: Set arming periods and alarm linkage actions.
- Step5: Click **Apply.**



New Functions

Apply Model

NEW

DF/BF1241-S8(-T)

HTTP PUSH 2.0

➢ **HTTP PUSH 2.0:** After enabling the auto upload function, the Camera will automatically report events to third-party clients through HTTP.

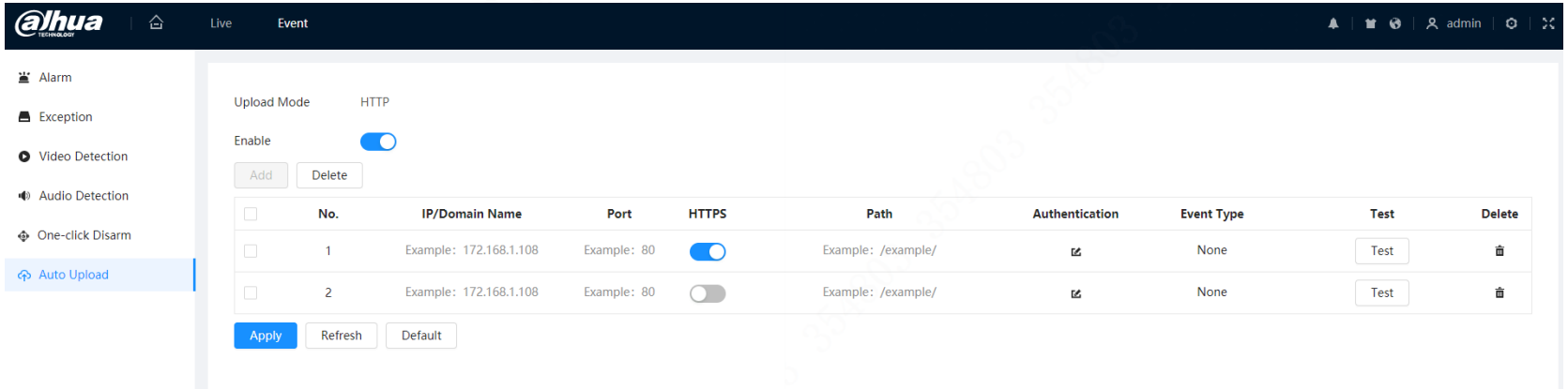
- Step1: Select > **Event > Auto Upload**
- Step2: Click to enable the auto upload function.
- Step3: Click **Add**.

  1) You can add 2 servers at most.
- Step4: Configure the server parameters. (Table 1-1)
- Step5: Click **Apply**.

Table 1-1 Parameters description

Parameters	Description
IP/Domain Name	Enter the IP address of the server where the third-party client is located.
Port	Enter the port number of the server where the third-party client is located.
HTTPS	Click to enable HTTPS.
Path	Enter the event or image upload path.
Authentication	Click . Click , and then enter the username and password on the prompt interface to finish the authentication.
Event Type	Select the event type according to the situation.
Test	Click **Test** to test whether the connection works normally.

Ps: On any alarm linkage actions page, select **Event** and **Picture** in **HTTP Upload**, and then click **Apply.** The server will receive the details and pictures of the event.



New Functions

Apply Model

NEW

DF/BF1241-S8(-T)

HTTP PUSH 2.0

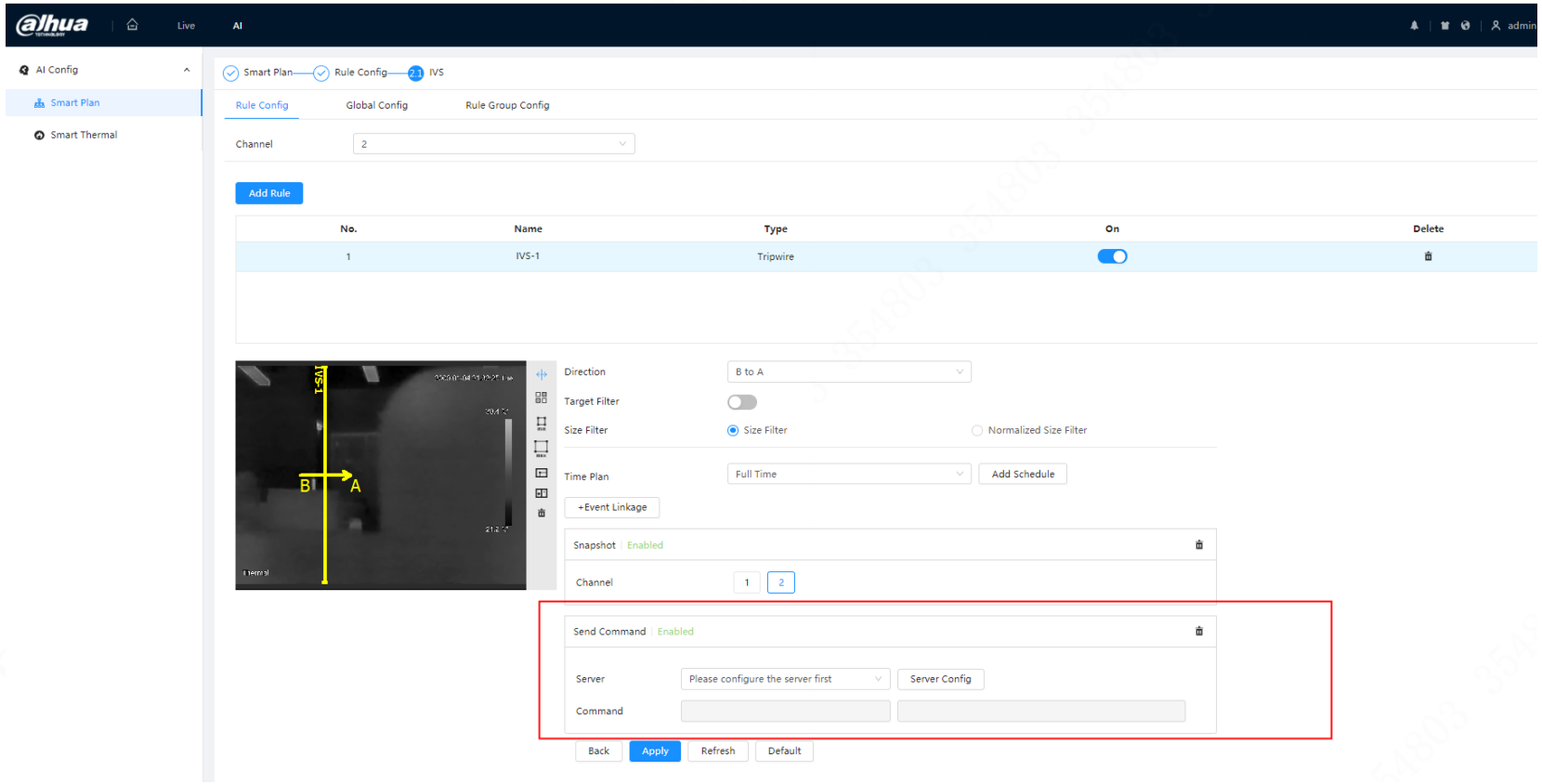
➢ **HTTP PUSH 2.0:** After enabling the auto upload function, the Camera will automatically report events to third-party clients through HTTP.

- Abnormal events support send commands

  Select the server to configure ip and port information, and then set the command to send instructions to the corresponding server.

- Verification Method

  After the server is configured and an exception event is triggered, check whether the storage path corresponding to the server contains images and event reports.



Thank You

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