

How to integrate thermal camera using ISAPI

Please note that for how to configure device parameters, please contact local technical support personnel for support. Before integration, confirm that the relevant configurations on the device are configured and function normally on the device.

Test camera model: DS-2TD4137-25/WY

一、 RTSP preview stream

RTSP url format :

`rtsp://admin:abcd1234@10.43.126.55/Streaming/Channels/201/`

admin:abcd1234 is the camera' s user name and password; 10.43.126.55 is the camera' s IP address;

201: The first number represents the thermal/visible channel, the second and third number represent the code stream.

2 is thermal channel, 01 is code stream. (so 101 is visible channel).

1. Get thermal channel stream by RTSP

`rtsp://admin:abcd1234@10.43.126.55/Streaming/Channels/201/`



2. Get visible channel stream by RTSP

`rtsp://admin:abcd1234@10.43.126.55/Streaming/Channels/101/`



二、 Obtain real-time temperature measurement data

Protocol :

GET

/ISAPI/Thermal/channels/<channelID>/thermometry/realTimethermometry/rules?format=json

Receive data sample :

```
{
  "ThermometryUploadList": {
    "ThermometryUpload": [{
      "relativeTime": 1705179702,
      "absTime": 1705146934,
      "presetNo": 0,
      "LinePolygonThermCfg": {
        "MaxTemperature": 55.0,
        "MinTemperature": 25.4,
        "AverageTemperature": 39.2,
```

```

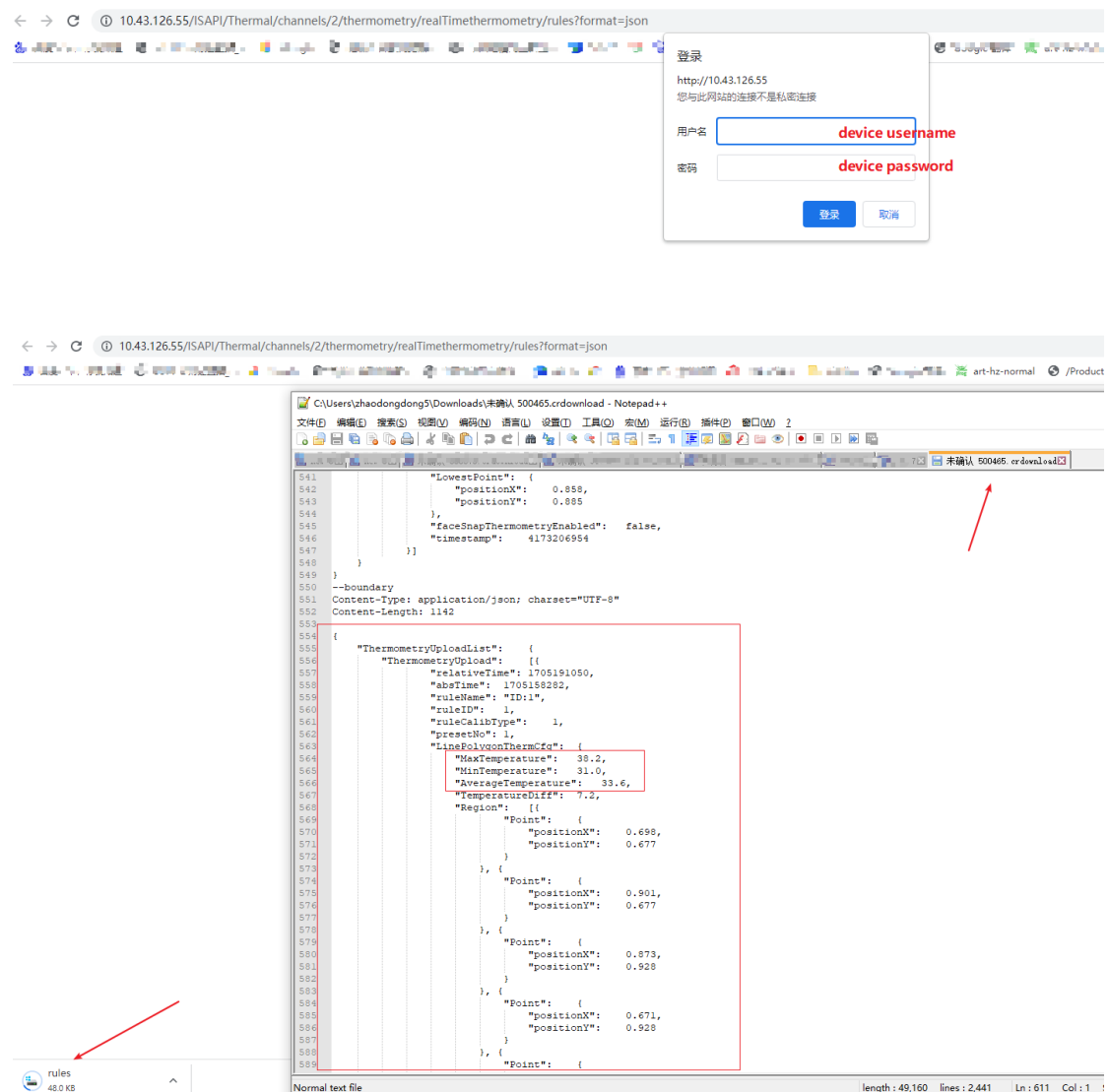
    "TemperatureDiff": 29.6,
    "Region": [{
      "Point": {
        "positionX": 0.000,
        "positionY": 0.000
      }
    }, {
      "Point": {
        "positionX": 0.000,
        "positionY": 1.000
      }
    }, {
      "Point": {
        "positionX": 1.000,
        "positionY": 1.000
      }
    }, {
      "Point": {
        "positionX": 1.000,
        "positionY": 0.000
      }
    }
  ]
},
"thermometryUnit": 0,
"dataType": 2,
"isFreezedata": false,
"HighestPoint": {
  "positionX": 0.452,
  "positionY": 0.568
},
"LowestPoint": {
  "positionX": 0.850,
  "positionY": 0.000
},
"faceSnapThermometryEnabled": false,
"timestamp": 3280866134
}]
}
}

```

Note that you need to establish a long HTTP connection with the device so that you can continue to receive test data pushed by the device. You can also use a browser to test directly.

<http://10.43.126.55/ISAPI/Thermal/channels/2/thermometry/realTimethermometry/rules?format=j>

[SON](#)



三、 Receive temperature events

Protocol : GET [/ISAPI/Event/notification/alertStream](#)

1. Temperature alarm : eventType:TMA

Temperature alarm message sample :

```

<EventNotificationAlert version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
<ipAddress>10.43.126.55</ipAddress>
<portNo>80</portNo>
<protocol>HTTP</protocol>
<macAddress>58:50:ed:98:58:ca</macAddress>
<dynChannelID>2</dynChannelID>
<channelID>2</channelID>
<dateTime>2025-06-17T15:30:55+08:00</dateTime>
<activePostCount>185</activePostCount>
<eventType>TMA</eventType>
<eventState>active</eventState>
<eventDescription>Temperature Measurement Alarm</eventDescription>
<DetectionRegionList>
<DetectionRegionEntry>
<regionID>0</regionID>
<RegionCoordinatesList>
<RegionCoordinates>
<positionX>0</positionX>
<positionY>0</positionY>
</RegionCoordinates>
<RegionCoordinates>
<positionX>0</positionX>
<positionY>1000</positionY>
</RegionCoordinates>
<RegionCoordinates>
<positionX>1000</positionX>
<positionY>1000</positionY>
</RegionCoordinates>
<RegionCoordinates>
<positionX>1000</positionX>
<positionY>0</positionY>
</RegionCoordinates>
</RegionCoordinatesList>
<TMA>
<thermometryUnit>celsius</thermometryUnit>
<ruleTemperature>56.0</ruleTemperature>
<currTemperature>133.5</currTemperature>
<ruleCalibType>region</ruleCalibType>
<ruleType>highest temp is higher than</ruleType>
<MaximumTemperaturePoint>
<RegionCoordinates>
<positionX>368</positionX>
<positionY>900</positionY>
</RegionCoordinates>

```

```

</MaximumTemperaturePoint>
<AbsoluteHigh>
<elevation>-5.000</elevation>
<azimuth>128.460</azimuth>
<absoluteZoom>1.00</absoluteZoom>
</AbsoluteHigh>
<presetNo>0</presetNo>
</TMA>
</DetectionRegionEntry>
</DetectionRegionList>
<channelName>Camera 02</channelName>
<detectionPicturesNumber>2</detectionPicturesNumber>
<URLCertificationType>no</URLCertificationType>
<thermalBackgroundImageResolution>
<height>1080</height>
<width>1920</width>
</thermalBackgroundImageResolution>
<visibleLightBackgroundImageResolution>
<height>720</height>
<width>1280</width>
</visibleLightBackgroundImageResolution>
</EventNotificationAlert>

```

2. Temperature pre-larm : eventType:TMPA

Temperature pre-alarm message sample :

```

<EventNotificationAlert version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
<ipAddress>10.43.126.55</ipAddress>
<portNo>80</portNo>
<protocol>HTTP</protocol>
<macAddress>58:50:ed:98:58:ca</macAddress>
<dynChannelID>2</dynChannelID>
<channelID>2</channelID>
<dateTime>2025-06-17T15:30:18+08:00</dateTime>
<activePostCount>3</activePostCount>
<eventType>TMPA</eventType>
<eventState>active</eventState>
<eventDescription>Temperature Measurement Precautionary Alarm</eventDescription>
<DetectionRegionList>
<DetectionRegionEntry>
<regionID>1</regionID>

```

```

<RegionCoordinatesList>
<RegionCoordinates>
<positionX>0</positionX>
<positionY>0</positionY>
</RegionCoordinates>
<RegionCoordinates>
<positionX>0</positionX>
<positionY>1000</positionY>
</RegionCoordinates>
<RegionCoordinates>
<positionX>1000</positionX>
<positionY>1000</positionY>
</RegionCoordinates>
<RegionCoordinates>
<positionX>1000</positionX>
<positionY>0</positionY>
</RegionCoordinates>
</RegionCoordinatesList>
<TMPA>
<thermometryUnit>celsius</thermometryUnit>
<ruleTemperature>45.0</ruleTemperature>
<currTemperature>53.3</currTemperature>
<ruleCalibType>region</ruleCalibType>
<ruleType>highest temp is higher than</ruleType>
<MaximumTemperaturePoint>
<RegionCoordinates>
<positionX>495</positionX>
<positionY>955</positionY>
</RegionCoordinates>
</MaximumTemperaturePoint>
<AbsoluteHigh>
<elevation>-5.000</elevation>
<azimuth>128.460</azimuth>
<absoluteZoom>1.00</absoluteZoom>
</AbsoluteHigh>
<presetNo>0</presetNo>
<alarmRuleTemperature>56.0</alarmRuleTemperature>
</TMPA>
</DetectionRegionEntry>
</DetectionRegionList>
<channelName>Camera 02</channelName>
<detectedPicturesNumber>2</detectedPicturesNumber>
<thermalBackgroundImageResolution>
<height>1080</height>

```



```

<width>1920</width>
</thermalBackgroundImageResolution>
<visibleLightBackgroundImageResolution>
<height>720</height>
<width>1280</width>
</visibleLightBackgroundImageResolution>
</EventNotificationAlert>

```

3. Temperature difference alarm : eventType:TDA

Temperature difference alarm message sample :

12.9.1.27 Temperature difference alarm

EventType:TDA

```

{
  "ipAddress": "172.6.64.7",
  /*ro, req, string, IPv4 address of the device that triggers the alarm*/
  "ipv6Address": "1080:0:0:0:800:200C:417A",
  /*ro, opt, string, IPv6 address of the device that triggers the alarm*/
  "portNo": 80,
  /*ro, opt, int, communication port No. of the device that triggers the alarm*/
  "protocol": "HTTP",
  /*ro, opt, enum, transmission communication protocol type, subType:string, desc:when ISAPI protocol is transmitted via HONetsDK, the channel No. is the video channel No. of private protocol. When ISAPI protocol is transmitted via EZ protocol, the channel No. is the video channel No. of EZ protocol. When ISAPI protocol is transmitted via ISUP, the channel No. is the video channel No. of ISUP*/
  "macAddress": "01:17:24:45:D9:F4",
  /*ro, opt, string, MAC address*/
  "channelID": 1,
  /*ro, opt, int, channel No. of the device that triggers the alarm, desc:when ISAPI protocol is transmitted via HONetsDK, the channel No. is the video channel No. of private protocol. When ISAPI protocol is transmitted via EZ protocol, the channel No. is the video channel No. of EZ protocol. When ISAPI protocol is transmitted via ISUP, the channel No. is the video channel No. of ISUP*/
  "relatedChannelList": [1, 2, 3],
  /*ro, opt, array, list of alarm related channels, which are of the same camera with channelID, subType:int, desc:this parameter is used for live view or playback on the platform*/
  "dateTime": "2004-05-03T17:30:08+08:00",
  /*ro, req, datetime, alarm trigger time*/
  "activePostCount": 1,
  /*ro, opt, int, times that the same alarm has been uploaded, desc:times that the same alarm has been uploaded*/
  "eventType": "TDA",
  /*ro, req, string, event type, desc:"TDA" (temperature different alarm)*/
  "eventState": "active",
  /*ro, req, enum, event status, subType:string, desc:for durative event: active (valid event or event starts), inactive (invalid event or the event ends). For the heartbeat, the field value indicates the heartbeat data, and it is uploaded every 10 seconds*/
}

```

```

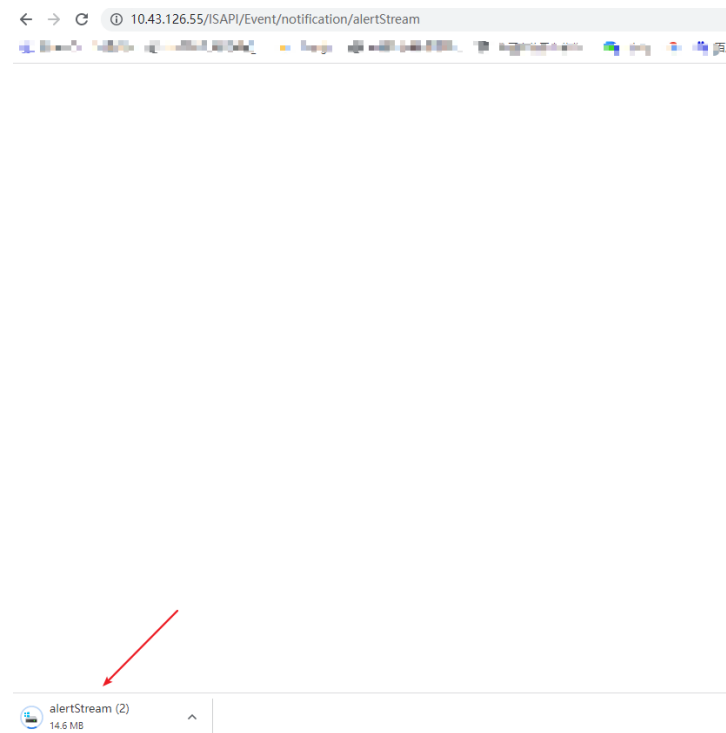
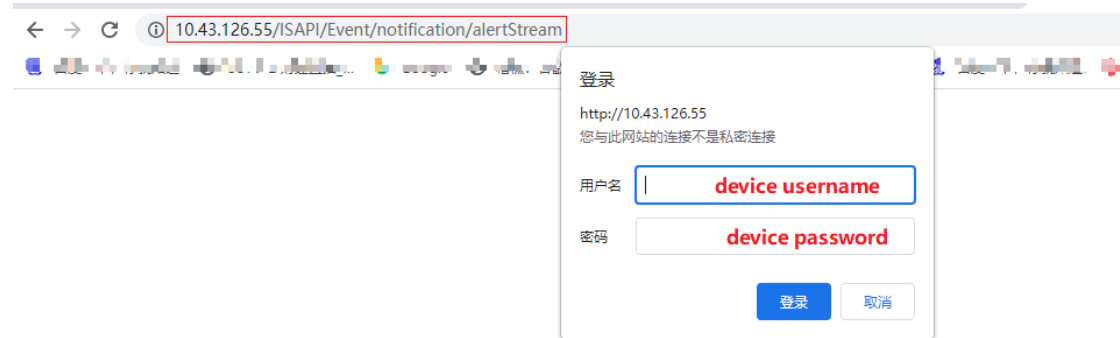
"eventDescription": "Temperature Diff Alarm",
/*ro, req, string, event description, desc:Temperature Difference Alarm*/
"detectionRegionList": [
/*ro, opt, array, area list of temperature difference alarm, subType:object*/
{
  "detectionRegionEntry": {
    /*ro, opt, object, temperature difference alarm area*/
    "alarmRuleList": [
      /*ro, opt, array, alarm rule list, subType:object*/
      {
        "alarmID": 1,
        /*ro, req, int, rule ID of temperature difference alarm*/
        "regionCoordinatesList": [
          /*ro, opt, array, area of temperature difference alarm, subType:object*/
          {
            "regionCoordinates": {
              /*ro, opt, object, temperature difference alarm area points*/
              "positionX": 1,
              /*ro, req, int, X-coordinate, range:[0.000,1.000]*/
              "positionY": 1
              /*ro, req, int, Y-coordinate, range:[0.000,1.000]*/
            }
          }
        ]
      }
    ]
  }
}
]

```

Note that you need to establish a long HTTP connection with the device so that you can continue to

receive test data pushed by the device. You can also use a browser to test directly.

<http://10.43.126.55/ISAPI/Event/notification/alertStream>



```

new 1X 未确认 174151.crdownloadX new 5X new 3X 未确认 888373.crdownloadX 未确认 986506.crdownloadX
879         "sec": 0.000
880     }
881 }
882 }
883 }
884 --boundary
885 Content-Type: application/xml; charset="UTF-8"
886 Content-Length: 2117
887
888 <EventNotificationAlert version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
889 <ipAddress>10.43.126.55</ipAddress>
890 <portNo>80</portNo>
891 <protocol>HTTP</protocol>
892 <macAddress>58:50:ed:98:58:ca</macAddress>
893 <dynChannelID>2</dynChannelID>
894 <channelID>2</channelID>
895 <dateTime>2025-06-17T18:17:09+08:00</dateTime>
896 <activePostCount>1</activePostCount>
897 <eventType>IMPA</eventType>
898 <eventState>active</eventState>
899 <eventDescription>Temperature Measurement Precautionary Alarm</eventDescription>
900 <DetectionRegionList>
901 <DetectionRegionEntry>
902 <regionID>1</regionID>
903 <RegionCoordinatesList>
904 <RegionCoordinates>
905 <positionX>698</positionX>
906 <positionY>677</positionY>
907 </RegionCoordinates>
908 <RegionCoordinates>
909 <positionX>901</positionX>
910 <positionY>677</positionY>
911 </RegionCoordinates>
912 <RegionCoordinates>
913 <positionX>873</positionX>
914 <positionY>928</positionY>
915 </RegionCoordinates>

```

四、 Temperature threshold configuration

1. Normal mode

1) Method 1: You can configure the temperature threshold in the device web interface



2) Method 2: Call ISAPI protocol to configure temperature threshold

First, call the protocol GET /ISAPI/Thermal/channels/2/thermometry/basicParam to obtain the parameters, and use the returned message as the request parameter of the protocol PUT /ISAPI/Thermal/channels/2/thermometry/basicParam. At the same time, modify the fields alert and alarm, where alert indicates the pre-alarm temperature threshold and alarm is the alarm temperature.

Request parameter example:

```
<?xml version="1.0" encoding="UTF-8"?>
<ThermometryBasicParam version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
  <id>2</id>
```

```

<enabled>true</enabled>
<streamOverlay>true</streamOverlay>
<pictureOverlay>true</pictureOverlay>
<temperatureRange>-20~150</temperatureRange>
<temperatureUnit>degreeCentigrade</temperatureUnit>
<emissivity>0.96</emissivity>
<distanceUnit>centimeter</distanceUnit>
<specialPointThermType>centerPoint</specialPointThermType>
<distance>2000</distance>
<reflectiveEnable>>false</reflectiveEnable>
<alert>45.0</alert>
<alarm>56.0</alarm>
<showTempStripEnable>true</showTempStripEnable>
<AlertOutputIOPortList>
  <OutputIOPort>
    <portID>1</portID>
    <enabled>>false</enabled>
  </OutputIOPort>
  <OutputIOPort>
    <portID>2</portID>
    <enabled>>false</enabled>
  </OutputIOPort>
</AlertOutputIOPortList>
<AlarmOutputIOPortList>
  <OutputIOPort>
    <portID>1</portID>
    <enabled>>false</enabled>
  </OutputIOPort>
  <OutputIOPort>
    <portID>2</portID>
    <enabled>>false</enabled>
  </OutputIOPort>
</AlarmOutputIOPortList>
<alertFilteringTime>0</alertFilteringTime>
<alarmFilteringTime>0</alarmFilteringTime>
<displayMaxTemperatureEnabled>true</displayMaxTemperatureEnabled>
<displayMinTemperatureEnabled>true</displayMinTemperatureEnabled>
<displayAverageTemperatureEnabled>true</displayAverageTemperatureEnabled>
<thermometryInfoDisplayposition>rules_around</thermometryInfoDisplayposition>
<emissivityMode>customsettings</emissivityMode>
<alarmInterval>3</alarmInterval>
<SunReflectionBlur>
  <enabled>>false</enabled>
  <sensitivity>50</sensitivity>

```

```

    <filterEnabled>false</filterEnabled>
    <fireFilterEnabled>true</fireFilterEnabled>
    <fireFluctuationThreshold>1</fireFluctuationThreshold>
    <fireFluctuationPercentage>25</fireFluctuationPercentage>
</SunReflectionBlur>
<VehicleBlur>
    <enabled>false</enabled>
    <sensitiveLevel>2</sensitiveLevel>
    <filterEnabled>false</filterEnabled>
    <filteringTemperature>300.0</filteringTemperature>
</VehicleBlur>
<displayRuleNameEnabled >true</displayRuleNameEnabled >
<pixelToPixelOverlay>false</pixelToPixelOverlay>
<refreshPixelToPixeDataIntervalTime>3</refreshPixelToPixeDataIntervalTime>
<smokingFilter>
    <enabled>false</enabled>
    <sensitivity>50</sensitivity>
    <filterEnabled>false</filterEnabled>
    <smokingDetectionThreshold>1000</smokingDetectionThreshold>
    <smokingAreaThreshold>5</smokingAreaThreshold>
</smokingFilter>
</ThermometryBasicParam>

```

Postman test example:

PUT

<http://10.43.126.55/ISAPI/Thermal/channels/2/thermometry/basicParam>

Params

Authorization

Headers (9)

Body

Scripts

Settings

☐ none
☐ form-data
☐ x-www-form-urlencoded
☒ raw
☐ binary
☐ GraphQL
XML

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <ThermometryBasicParam version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
3   <id>2</id>
4   <enabled>true</enabled>
5   <streamOverlay>true</streamOverlay>
6   <pictureOverlay>true</pictureOverlay>
7   <temperatureRange>-20~150</temperatureRange>
8   <temperatureUnit>degreeCentigrade</temperatureUnit>
9   <emissivity>0.96</emissivity>
10  <distanceUnit>centimeter</distanceUnit>
11  <specialPointThermType>centerPoint</specialPointThermType>
12  <distance>2000</distance>
13  <reflectiveEnable>false</reflectiveEnable>
14  <alert>45.0</alert>
15  <alarm>56.0</alarm>
16  <showTempStripEnable>true</showTempStripEnable>
17  <AlertOutputIOPortList>
18    <OutputIOPort>
19      <portID>1</portID>
20      <enabled>false</enabled>
21    </OutputIOPort>
22    <OutputIOPort>
23      <portID>2</portID>

```

Body

Cookies

Headers (6)

Test Results

XML

Preview

Visualize

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <ResponseStatus version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
3   <requestURL></requestURL>
4   <statusCode>1</statusCode>
5   <statusString>OK</statusString>
6   <subStatusCode>ok</subStatusCode>
7 </ResponseStatus>

```

2. Expert Mode

1) Method 1: You can configure the temperature threshold in the device web interface

HIKVISION®

预览回放图片配置应用仓库

本地系统网络视音频图像PTZ事件存储智能分析测温

基本配置客户集成船只检测AI平台

基本配置高级配置联动方式历史温度查询

通道号通道 02

规则配置算法过滤

配置模式专家模式

设备温度(°C): 43

45.8

P1531T06 20001 预置点 2

清除全部

同步现场角

区域温差比较

1 预置点 1

2 预置点 2

3 预置点 3

4 预置点 4

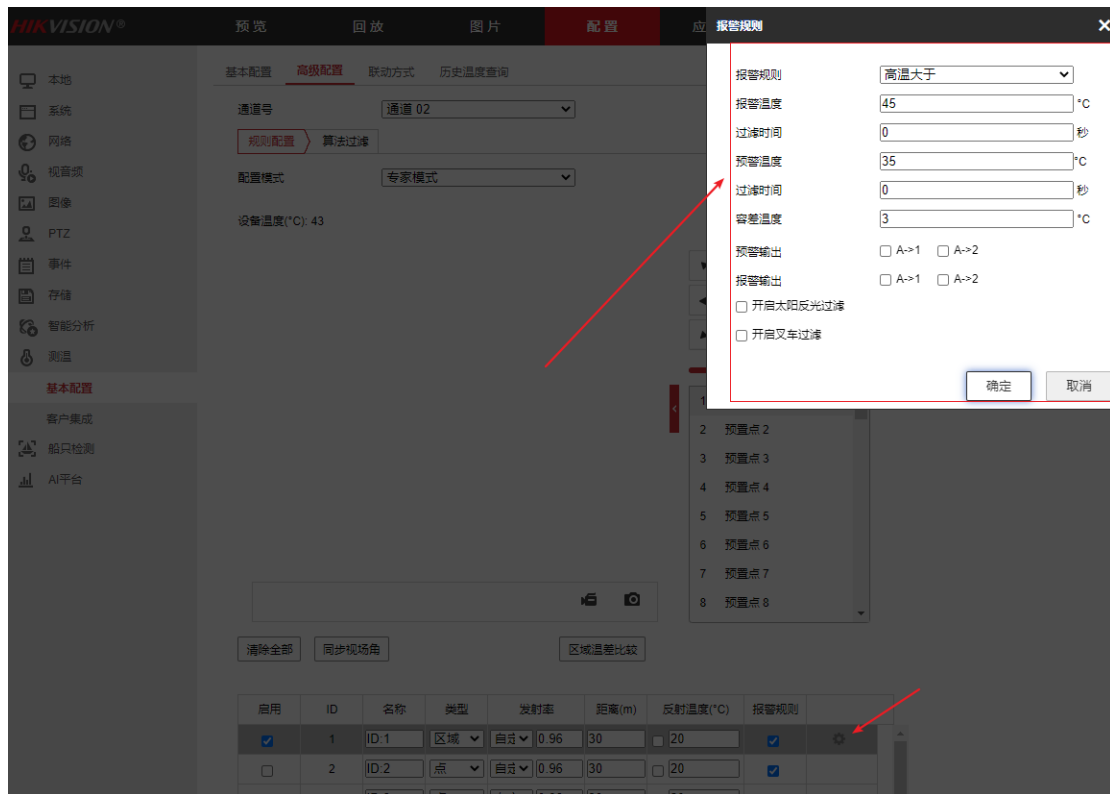
5 预置点 5

6 预置点 6

7 预置点 7

8 预置点 8

启用	ID	名称	类型	发射率	距离(m)	反射温度(°C)	报警规则
<input checked="" type="checkbox"/>	1	ID.1	区域	自定 0.96	30	20	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2	ID.2	点	自定 0.96	30	20	<input checked="" type="checkbox"/>
<input type="checkbox"/>	3	ID.3	点	自定 0.96	30	20	<input checked="" type="checkbox"/>



2) Method 2: Call ISAPI protocol to configure temperature threshold

Protocol : PUT /ISAPI/Thermal/channels/2/thermometry/1/alarmRules

Request parameters:

```
<?xml version="1.0" encoding="UTF-8"?>
<ThermometryAlarmRule version="2.0"
xmlns="http://www.isapi.org/ver20/XMLSchema">
  <ThermometryAlarmModeList size="21">
    <ThermometryAlarmMode>
      <id>1</id>
      <enabled>true</enabled>
      <name>ID:1</name>
      <rule>highestGreater</rule>
      <sunReflectionBlurEnabled>>false</sunReflectionBlurEnabled>
      <vehicleBlurEnabled>>false</vehicleBlurEnabled>
      <alert>35</alert>
      <alarm>45</alarm>
      <threshold>3</threshold>
```

```

        <alertFilteringTime>0</alertFilteringTime>
        <alarmFilteringTime>0</alarmFilteringTime>
    </ThermometryAlarmMode>
</ThermometryAlarmModeList>
</ThermometryAlarmRule>

```

Among them, alert indicates the warning temperature threshold, and alarm is the alarm temperature.

Postman test example:

The screenshot shows a Postman interface for a PUT request. The URL is `http://10.43.126.55/ISAPI/Thermal/channels/2/thermometry/1/alarmRules`. The request body is XML, defining a `ThermometryAlarmRule` with a `ThermometryAlarmModeList` containing one mode. The mode has an ID of 1, is enabled, and has a rule of `highestGreater`. It also specifies reflection and vehicle blur settings, and alert/alarm thresholds. The response is a 200 OK status with a success message.

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <ThermometryAlarmRule version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
3   <ThermometryAlarmModeList size="21">
4     <ThermometryAlarmMode>
5       <id>1</id>
6       <enabled>true</enabled>
7       <name>ID:1</name>
8       <rule>highestGreater</rule>
9       <sunReflectionBlurEnabled>false</sunReflectionBlurEnabled>
10      <vehicleBlurEnabled>false</vehicleBlurEnabled>
11      <alert>35</alert>
12      <alarm>45</alarm>
13      <threshold>3</threshold>
14      <alertFilteringTime>0</alertFilteringTime>
15      <alarmFilteringTime>0</alarmFilteringTime>
16    </ThermometryAlarmMode>
17  </ThermometryAlarmModeList>
18 </ThermometryAlarmRule>

```

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <ResponseStatus version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
3   <requestURL></requestURL>
4   <statusCode>1</statusCode>
5   <statusString>OK</statusString>
6   <subStatusCode>ok</subStatusCode>
7 </ResponseStatus>

```

五、 PTZ

Protocol : PUT /ISAPI/PTZCtrl/channels/<channelID>/continuous

Request parameters:

```

<?xml version="1.0" encoding="UTF-8"?>
<PTZData xmlns="http://www.isapi.org/ver20/XMLSchema" version="2.0">

```

```

    <!--req, object, attr:version{req, string, protocolVersion}-->
    <pan>
        <!--opt, int, panning positive direction, range:[-100,100], desc:panning positive direction-
->60
    </pan>
    <tilt>
        <!--opt, int, tilting positive direction, range:[-100,100], desc:tilting positive direction-
->60
    </tilt>
    <zoom>
        <!--opt, int, range:[-100,100]-->60
    </zoom>
    <rotate>
        <!--opt, int, range:[-100,100]-->60
    </rotate>
</PTZData>

```

Move left request parameters Example:

```

<PTZData>
    <pan>-60</pan>
    <tilt>0</tilt>
</PTZData>

```

Move right request parameter example :

```

<PTZData>
    <pan>60</pan>
    <tilt>0</tilt>
</PTZData>

```

Stop Move Request Parameters Example :

```

<PTZData>
    <pan>0</pan>
    <tilt>0</tilt>
</PTZData>

```

Postman test example :

PUT http://10.43.126.55/ISAPI/PTZCtrl/channels/1/continuous

Params Authorization Headers (9) Body Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL XML

```
1 <PTZData>
2   <pan>-60</pan>
3   <tilt>0</tilt>
4 </PTZData>
```

Body Cookies Headers (6) Test Results

XML Preview Visualize

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <ResponseStatus version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
3   <requestURL></requestURL>
4   <statusCode>1</statusCode>
5   <statusString>OK</statusString>
6   <subStatusCode>ok</subStatusCode>
7 </ResponseStatus>
```

PUT http://10.43.126.55/ISAPI/PTZCtrl/channels/1/continuous

Params Authorization Headers (9) Body Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL XML

```
1 <PTZData>
2   <pan>0</pan>
3   <tilt>0</tilt>
4 </PTZData>
```

Body Cookies Headers (6) Test Results

XML Preview Visualize

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <ResponseStatus version="2.0" xmlns="http://www.isapi.org/ver20/XMLSchema">
3   <requestURL></requestURL>
4   <statusCode>1</statusCode>
5   <statusString>OK</statusString>
6   <subStatusCode>ok</subStatusCode>
7 </ResponseStatus>
```

12.4.2.11 Control PTZ to pan and tilt

Request URL

PUT /ISAPI/PTZCtrl/channels/<channelID>/continuous?type=<type>

Query Parameter

Parameter Name	Parameter Type	Description
channelID	string	--
type	enum	Module type. 1. Determine whether the device supports the optional parameter "type" by checking if /ISAPI/PTZCtrl/channels//capabilities returns continuousPanTiltType; 2. PTZLaser (laser PTZ), which indicates the control of the laser PTZ linked with the specified channel's PTZ camera

Request Message

```
<?xml version="1.0" encoding="UTF-8"?>
<PTZData xmlns="http://www.isapi.org/ver20/XMLSchema" version="2.0">
  <!--req, object, attr:version(req, string, protocolVersion)-->
  <pan>
    <!--opt, int, panning positive direction, range:[-100,100], desc:panning positive direction-->60
  </pan>
  <tilt>
    <!--opt, int, tilting positive direction, range:[-100,100], desc:tilting positive direction-->60
  </tilt>
  <zoom>
    <!--opt, int, range:[-100,100]-->60
  </zoom>
  <rotate>
    <!--opt, int, range:[-100,100]-->60
  </rotate>
</PTZData>
```

You can perform ptz operations on the device web interface, and you can see the ISPAI protocol called by the device. You can refer to the protocol sent by the device.

