

High Accuracy Thermal Installation

DS-2TD2617B-6/PA

FOCUSED ON YOUR SUCCESS

HIKVISION

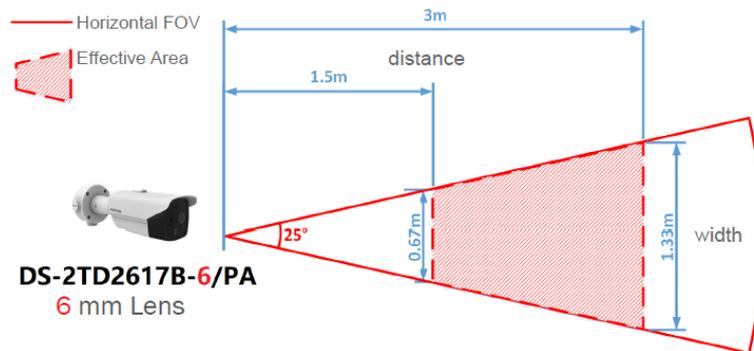
Installation Tips and Guidelines

- 30 minute camera warm up before screening
- Use the recommended installation height as well as target to camera distance measurements based on your model camera and lens
- Use tripod or similar for proper install and effective temperature measurements
- Use in a stable environment, indoors, with ambient temperature and no wind
- 1 target at a time is best for accuracy and alerts
- If possible, create a choke point flow of human traffic
- Use Hikvision microSD cards for best capturing/overwriting performance
- Not a medical device and is not FDA approved



Target Distance and FOV

- The DS-2TD2617B-6/PA has an effective detection distance between 1.5 and 3.0m (4.9 to 9.8 feet)
- Your Field of View is roughly 25 degrees
- Installation height should be at 1.5m (4.9 feet or 59 inches)



Form Factor	Model name	Thermal Resolution	Thermal Lens	Detection Distance	FOV
Turret	DS-2TD1217B-3/PA	160 × 120	3 mm	0.8–1.5 m	50° × 37.2°
Bullet	DS-2TD2617B-6/PA	160 × 120	6 mm	1.5–3.0 m	25° × 18.7°
	DS-2TD2636B-13/P	384 × 288	13 mm	2.5–7.0 m	28.8° × 21.6°

Installation Start

- Install the base, pay close attention to the top and bottom labels internally, with the set points on the side
- There is also a Bottom label at base of camera
- Remove front face film and adjust angle, key provided



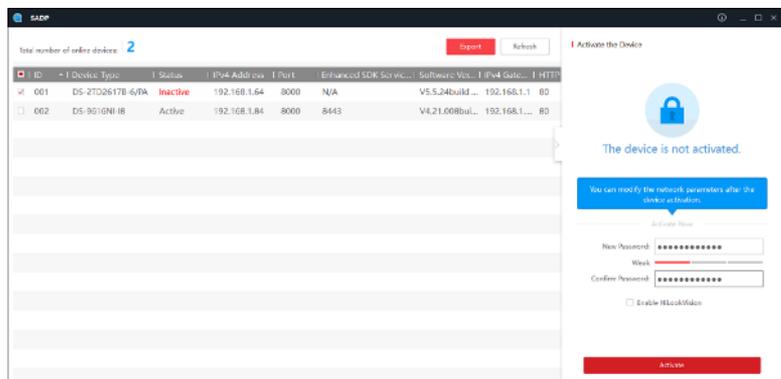
Target Distance and FOV

- My example is installed on a truss system
- Installation height at 59”
- Then I measured 7’ away for camera to target distance



Installation

- Download SADP from our Website: Support and Resources->Downloads->Tools
- Run as Administrator
- With SADP you can Activate your Product, Give it a Password and Modify the IP Parameters for your Network

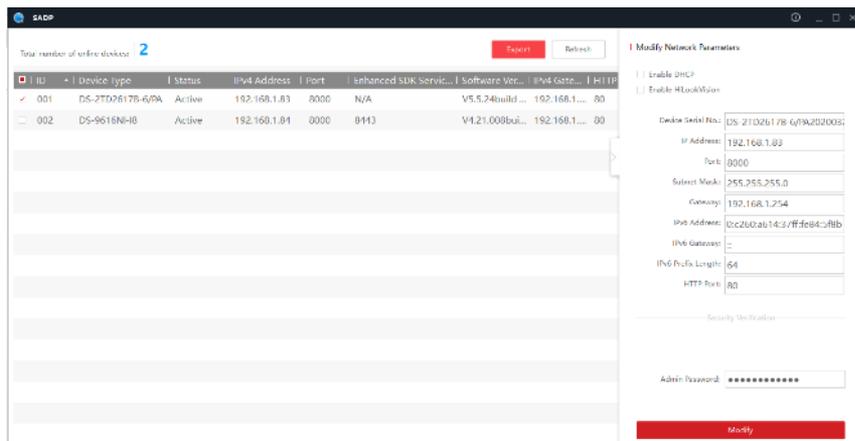
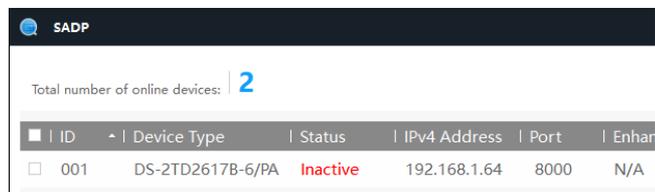


- SADP

The Search Active Device Protocol (SADP) tool detects Hikvis and basic network settings modification of one or more device password including the newly added GUID Mode and Security troubleshooting Hikvision network devices.

Windows Version

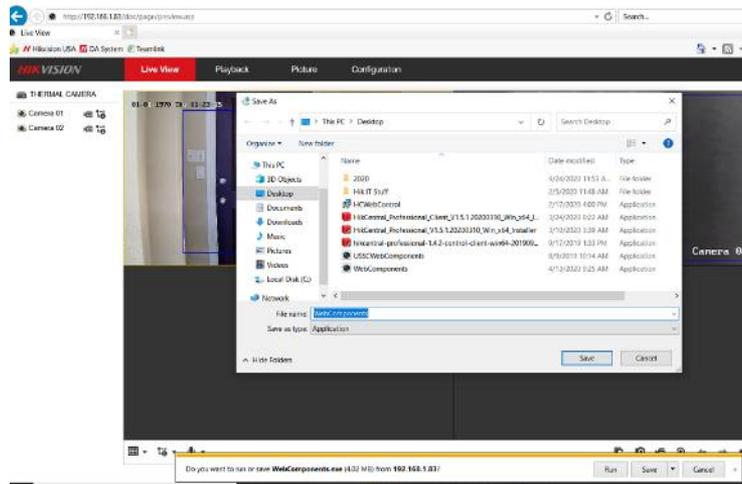
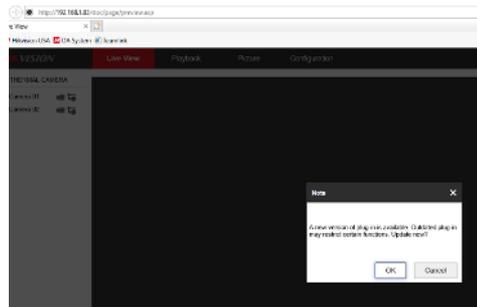
Download Installer : sadp.3.0.2.4.win32.exe (34.8 MB)
User Manual: SADP user manual (1.04 MB)



HIKVISION

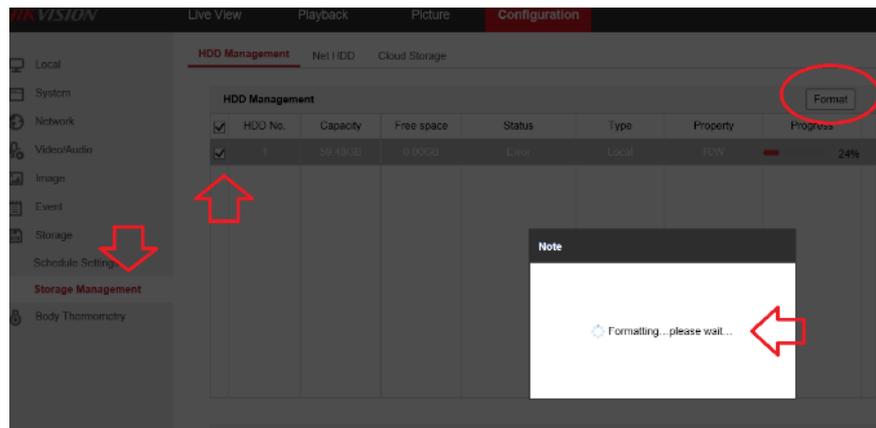
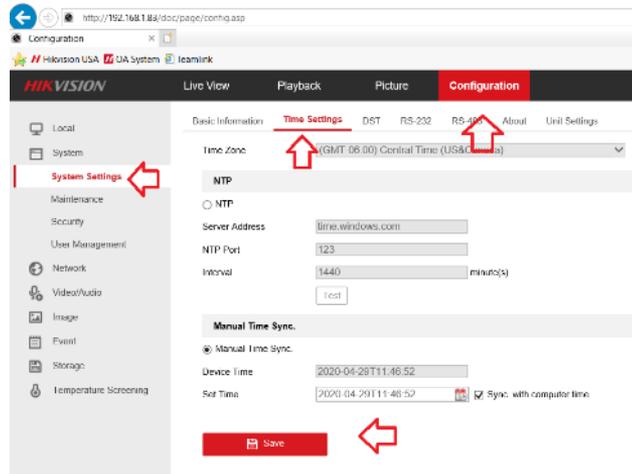
Camera Setup Details

- Login to the camera with your network address assigned with SADP.
- At this time only IE Internet Explorer can be used
- Allow Active X Controls
- Download Plugin WebComponents and save to your Desktop for ease of finding. Close IE completely, then Run WebComponents
- Finish WebComponents and Reopen IE and connect to the Web Address of the camera



Camera Setup Details

- Start in Configuration for all setup
- Go to System Settings and Time Settings to Adjust time, Save
- Open lower hatch underneath camera to insert MicroSD Card
- Formatting is in Storage Management, Select Card under HDD No and Format



Camera Setup Details

- In Maintenance Select and Save for Temperature Screening. Camera may reboot
- In Local, enable these rules

The screenshot shows the Hikvision web interface with the 'Configuration' tab selected. The left sidebar is expanded to 'Local'. The 'Live View Parameters' section is visible, with the following settings:

Parameter	Option 1	Option 2
Protocol	<input checked="" type="radio"/> TCP	<input type="radio"/> UDP
Play Performance	<input type="radio"/> Shortest Delay	<input checked="" type="radio"/> Balanced
Rules	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable
Display POS Information	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
Auto Start Live View	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Image Format	<input checked="" type="radio"/> JPEG	<input type="radio"/> BMP
Display Rules Info. on Ca...	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Display Temperature Info	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Display Temperature Info	<input checked="" type="radio"/> Yes	<input type="radio"/> No

The screenshot shows the Hikvision web interface with the 'Configuration' tab selected. The 'VCA Resource Configuration' section is visible, with the following settings:

Option
<input type="radio"/> Temperature Measurement
<input checked="" type="radio"/> Temperature Screening

The 'Save' button is highlighted in red.

Camera Setup Details

- Temperature Screening to begin Temp Setup
- In the first Basic Setting, you can only enable for Camera 1
- Check for Enable and Display
- Change unit to Fahrenheit
- Target Parameters based on skin temp in Emissivity
- Distance estimation based on my 7' example in installation slide

The screenshot displays the Hikvision web interface for camera configuration. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various settings categories, with 'Temperature Screening' selected. The main content area shows the 'Basic Settings' tab for 'Camera 01'. Key settings include:

- Enable Temperature Measurement
- Enable Color-Temperature
- Display Temperature Info. on Stream
- Add Original Data on Capture
- Add Original Data on Stream
- Data Refresh Interval: 3 s
- Unit: Degree Fahrenheit(°F)
- Temperature Range: 86.0~113.0
- Version: V2.0.8build20200421

Below these are the 'Target Thermographic Parameters':

- Emissivity: 0.98
- Distance Mode: Self-Adaption
- Distance: 2 m

A red 'Save' button is located at the bottom of the configuration panel. Red arrows in the original image point to the 'Enable Color-Temperature' checkbox, the 'Unit' dropdown, and the 'Emissivity' input field.

Camera Setup Details

- In Temperature Screening Configuration Enable Face Detection and Display Temperature
- Set your Min and Max Pupil Distances, this refers to the camera detection distances. Use an example target human to help set up at the different distances
- Set your Pre Alarm and then your Alarm Temperatures for Alerts
- Save

The screenshot displays the Hikvision web interface for camera configuration. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various settings categories, with 'Temperature Screening' selected. The main content area is titled 'Temperature Screening Configuration' and includes a 'Channel No.' dropdown set to 'Camera 01'. Under 'Basic Settings', the 'Enable Face Detection' and 'Display Temperature' checkboxes are checked, with a red arrow pointing to them. Below these are options for 'Upload Captured Face Image' and 'Display Face Temperature Position'. A central video feed shows a person's face with a red bounding box labeled 'IPD' and a green bounding box labeled 'IPD Max'. Below the video are buttons for 'Draw Area', 'Max. Pupil...', 'Min. Pupil Di...', and 'Clear All'. A red 'Save' button is at the bottom, with two green arrows pointing to it. On the right, the 'Face Detection Parameters' section shows 'Min. Pupil Distance' (30), 'Max. Pupil Distance' (401), 'Generation Speed' (5), and 'Sensitivity' (5), each with a green checkmark and a red arrow. 'Alarm When Temperatur...' is set to 99.5 and 'Pre-Alarm Temperature' is set to 97, both with green checkmarks and red arrows.

Camera Setup Details

- In Temperature Screening Configuration Select Camera 2 at the top
- Black Body is not Enabled, unless using one
- Enable Temp Compensation, use Auto type and Save

The screenshot displays the Hikvision web interface for configuring a camera. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various settings categories: Local, System, Network, Video/Audio, Image, Event, Storage, and Temperature Screening. The 'Temperature Screening' section is expanded, showing 'Basic Settings' and 'Face Capture'. The main area is titled 'Temperature Screening Configuration' and shows 'Camera 02' selected in a dropdown menu. A central video feed displays a thermal image with a blue dot indicating a temperature reading. Below the feed are 'Draw Area' and 'Clear All' buttons. On the right, the 'Black Body Parameters' section includes an unchecked 'Enable Black Body Correction' checkbox, and fields for 'Distance' (2 m), 'Temperature' (104), and 'Emissivity' (0.97). The 'Temperature Compensation' section has the 'Enable' checkbox checked, and fields for 'Compensation Type' (Auto), 'Compensation Value' (5.2), 'Manual Calibration' (0), 'Environmental Temperature' (Auto), and 'Environmental Temperature' (40.86). Red arrows point to the 'Camera 02' dropdown, the 'Enable' checkbox, the 'Auto' compensation type, the '5.2' compensation value, and the 'Save' button.

Camera Setup Details

- In Linkage Method, you'll see a schedule
- All blue shows active for all hours everyday
- You can also change and copy to other days
- Save

The screenshot displays the Hikvision web interface for camera configuration. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The 'Configuration' section is active, with sub-tabs for 'Basic Settings', 'Temperature Screening Configuration', and 'Linkage Method'. The 'Linkage Method' tab is selected, showing a schedule for 'Camera 01'. The schedule is a grid with days of the week (Mon-Sun) on the y-axis and hours (0-24) on the x-axis. All cells in the grid are filled with blue, indicating the camera is active 24/7. A 'Copy to...' dialog box is open, showing checkboxes for all days of the week (Mon-Sun) and a 'Select All' checkbox. Below the schedule, there is a 'Save' button.

Channel No.

Arming Schedule Linkage Method

✕ Delete

Copy to... Select All

Mon	0	2	4	6	8	10	12	14	16	18	20	22	24
Tue	0	2	4	6	8	10	12	14	16	18	20	22	24
Wed	0	2	4	6	8	10	12	14	16	18	20	22	24
Thu	0	2	4	6	8	10	12	14	16	18	20	22	24
Fri	0	2	4	6	8	10	12	14	16	18	20	22	24
Sat	0	2	4	6	8	10	12	14	16	18	20	22	24
Sun	0	2	4	6	8	10	12	14	16	18	20	22	24

Camera Setup Details

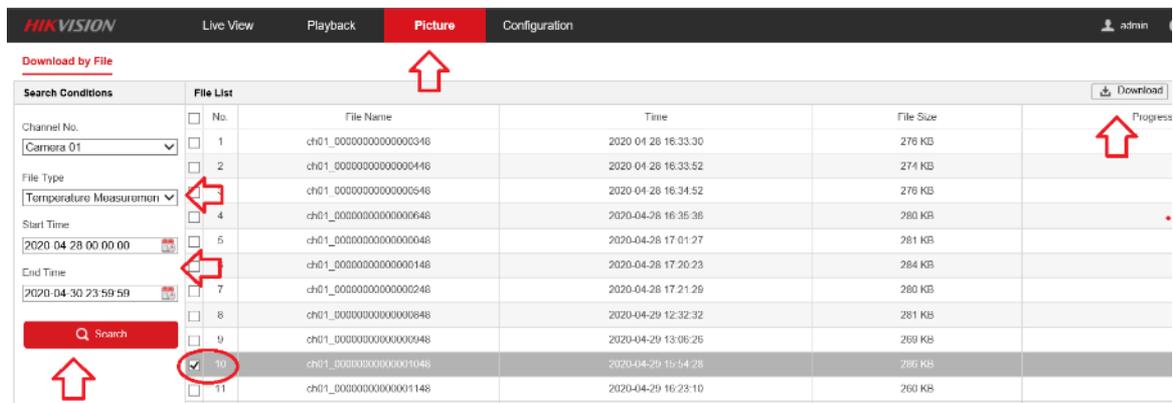
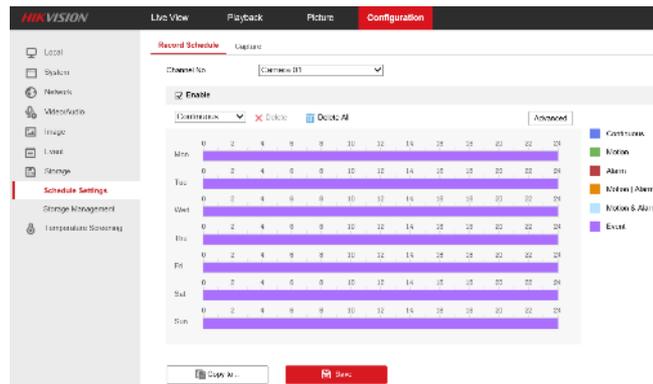
- In Linkage Method, “Linkage Method Tab” you have the ability to Email, Notify Surveillance Center, Upload to FTP/SD card, Flash Alarm and Audible Warning
- You can trigger Alarm Outputs and Channels for Recording
- Notify Surveillance Center is the iVMS 4200 or Hik-Connect – HikConnect will require additional settings
- Flashing Alarm will require an additional setting
- Audible Warning will require an additional setting
- Uploading to SD Card will require additional settings

The screenshot displays the Hikvision web interface for camera configuration. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various settings categories: Local, System, Network, Video/Audio, Image, Event, Storage, Temperature Screening, Basic Settings (highlighted), and Face Capture. The main content area is titled 'Linkage Method' and shows 'Channel No.' set to 'Camera 01'. Under the 'Arming Schedule' tab, the 'Linkage Method' sub-tab is active. The settings are organized into three columns: 'Normal Linkage', 'Trigger Alarm Output', and 'Trigger Recording'. The 'Normal Linkage' column has 'Notify Surveillance Center', 'Upload to FTP/Memory Card/...', 'Flashing Alarm', and 'Audible Warning' checked. The 'Trigger Alarm Output' column has 'A->1' and 'A->2' options. The 'Trigger Recording' column has 'A1' and 'A2' options.

Normal Linkage	Trigger Alarm Output	Trigger Recording
<input type="checkbox"/> Send Email	<input type="checkbox"/> A->1	<input type="checkbox"/> A1
<input checked="" type="checkbox"/> Notify Surveillance Center	<input type="checkbox"/> A->2	<input type="checkbox"/> A2
<input checked="" type="checkbox"/> Upload to FTP/Memory Card/...		
<input checked="" type="checkbox"/> Flashing Alarm		
<input checked="" type="checkbox"/> Audible Warning		

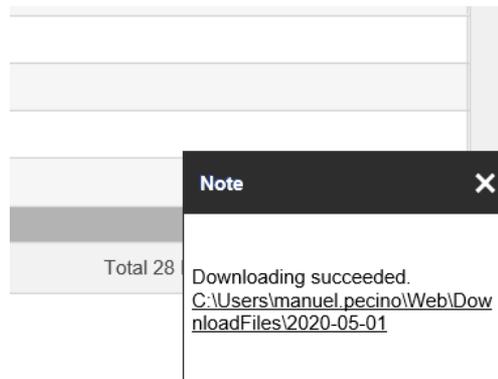
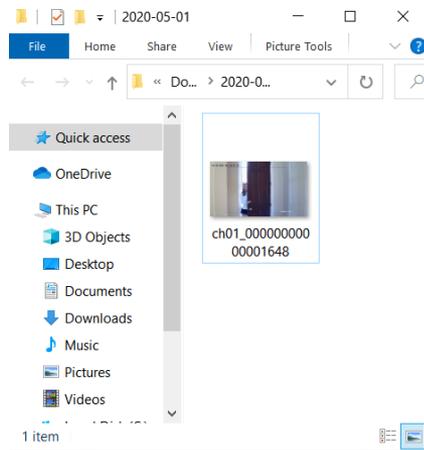
Camera Setup Details – SD Card Recording

- Make sure for IE that you Run as Administrator
- In Storage and Schedule Settings, I set this to Event Recording (purple) to get Captures of Temp Alarm Events
- You can copy to each day
- After alarms from Camera, go to Picture, use pull down to select Temp Measurement Alarm
- Select To and From Date
- Search
- Select a file and Download



Camera Setup Details – SD Card Recording

- After Download, Location information will appear in bottom right
- Select on the location to go to the saved Folder
- Review capture with temperature information saved



Camera Setup Details – Flashing Light

- In Basic Event under Event select Flashing Alarm Light Output
- Selections are Flashing and Solid
- Seconds of Duration and Frequency of Flashing.
- Take Caution of your environment and people sensitive to Flashing lights
- A schedule as well
- Save

The screenshot shows the Hikvision configuration interface for a camera. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The 'Configuration' tab is active, and the 'Flashing Alarm Light Output' sub-tab is selected. The left sidebar shows a tree view with 'Basic Event' highlighted. The main configuration area includes:

- White Light Mode:** A dropdown menu set to 'Flashing'.
- Flashing Duration:** A text input field set to '5' with a unit 's'.
- Flashing Frequency:** A dropdown menu set to 'Medium'.
- Brightness:** A slider control set to '50'.
- Arming Schedule:** A section with a 'Delete' button and a 'Delete All' button.
- Schedule:** A 7-day grid showing the arming schedule. All days (Mon-Sun) have a blue bar from 0 to 24 hours, indicating the alarm is armed continuously.
- Save:** A red button at the bottom.

Red arrows in the image point to the 'Basic Event' menu item, the 'Flashing' dropdown, and the 'Flashing Alarm Light Output' sub-tab.

Camera Setup Details – Audible Alarm

- Select Audio Alarm Output for the alarm with audio
- Alarm type is only Temp Measurement, based on your setting in Temp Screening Configuration
- Sound type is only 1 English setting. No uploads at this time
- You can schedule as well
- Save

Sensitivity 5

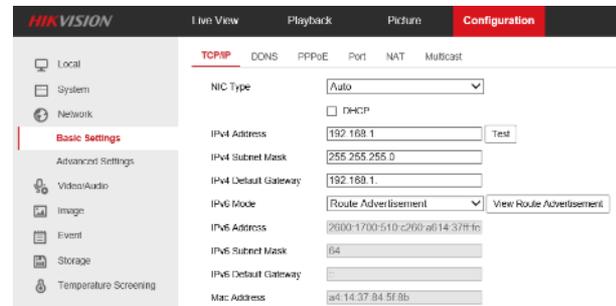
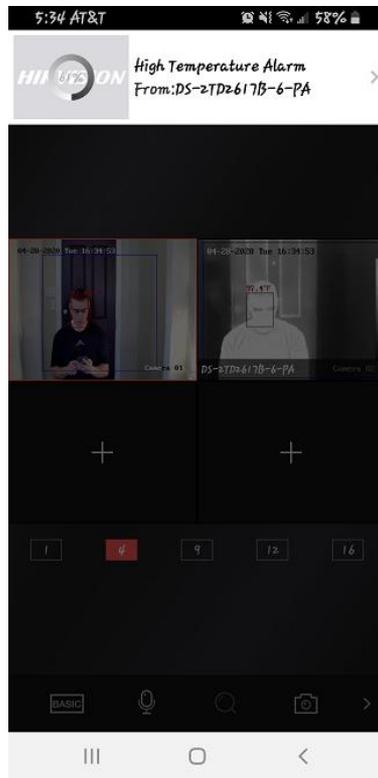
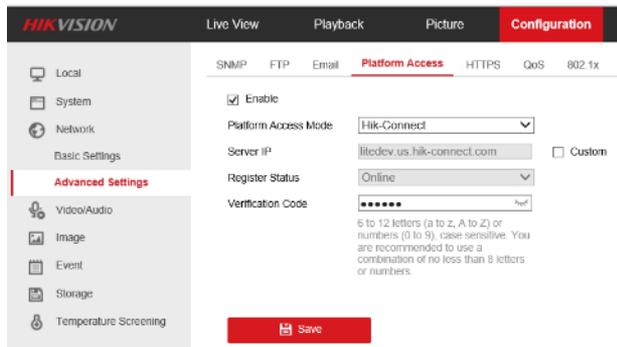
Alarm When Temperatur... °F

Pre-Alarm Temperature °F

The screenshot shows the Hikvision configuration interface for an Audible Alarm. The top navigation bar includes 'Live View', 'Playback', 'Picture', 'Configuration', and 'Audible Alarm Output'. The 'Configuration' tab is active, showing settings for 'Alarm Type' (Temperature Measurement), 'Alarm Sound Type' (Temperature is abnormal, pls), 'Alarm Times' (1), and 'Sound Volume' (65). A 'Sensitivity' slider is set to 5. Below these are fields for 'Alarm When Temperatur...' (99.5 °F) and 'Pre-Alarm Temperature' (97 °F). A 'Save' button is visible at the bottom. A calendar view shows the alarm is scheduled for all days of the week from 0 to 24 hours. Red arrows point to the 'Audible Alarm Output' tab, the 'Alarm Type' dropdown, the 'Alarm Sound Type' dropdown, the 'Save' button, and the 'Sensitivity' slider.

Camera Setup Details – Hik-Connect

- Under Network and Basic Settings, enter your Network information in TCP/IP
- Once on the Network, go to Advanced Settings and Platform Access to Enable Hik-Connect
- Enter a Verification Code and Save. The code will need to be accessed through the Hik-Connect app
- Save, back out and go back in to make sure the camera is Online in Register Status
- Download the HC app



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