High Accuracy Thermal Installation
DS-2TD2617B-6/PA
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)

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

<table>
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<th>Live View Parameters</th>
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<td>Protocol</td>
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<td>Play Performance</td>
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<td>Rules</td>
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<td>Display POS Information</td>
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<tr>
<td>Auto Start Live View</td>
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<tr>
<td>Image Format</td>
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<tr>
<td>Display Rules Info. on Cam</td>
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<tr>
<td>Display Temperature Info</td>
</tr>
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</tbody>
</table>

VCA Resource Type:
- Temperature Measurement
- Temperature Screening

Save
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
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
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.
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
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.
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
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
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