

DCMS+ Software installation (ver. 1.4)

Install the DCMS+ software:



Open "Devices"

The screenshot shows the CMS 1.4 main menu. The 'Main Menu' is open, displaying a grid of 16 feature cards. The 'Devices' card is highlighted with a white border. The cards are arranged in a 4x4 grid. The 'Devices' card is located in the third row, first column. The 'Devices' card description is: 'Search, add, delete and modify devices'. Other cards include 'Live View', 'Play back', 'Layout', 'E-Map', 'RealtimeAlarm', 'Alarm Record', 'Report Statistics', 'Monitoring Center', 'Log', 'Group', 'Users', 'Device Config', 'Servers', 'Alarm Mail', and 'Card Management'. The top bar shows 'CMS 1.4', 'Main Menu', '+', 'admin', and '2020-05-05 10:44:52'.

Select "Auto Search"

The screenshot shows the CMS 1.4 'Devices' page. The 'Devices' menu item is selected in the top bar. The page displays a table with columns: No., Device Name, IP/ID/ domain n, Device Type, Model, Online Stat, Subordinate, Channe, Protocol, MAC, Server, and Operation. The 'Auto Search' button is selected in the top right corner. The bottom bar shows navigation controls and status: 'Total : 0', 'Online : 0', 'Offline : 0'. The top bar shows 'CMS 1.4', 'Devices', '+', 'admin', and '2020-05-05 10:45:23'.

No.	Device Name	IP/ID/ domain n	Device Type	Model	Online Stat	Subordinate	Channe	Protocol	MAC	Server	Operation
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Leave username/password as admin/admin. Click on “Start Search”.

The screenshot shows the 'Auto Search' window with the following details:

- Username: admin
- Password: [masked]
- IP: [empty]
- Start Search button is visible.
- Table headers: No., Device Name, IP/URL, MAC, Device Type, Model, Channel, Result.
- Bottom status: All device types, All connect results, Unencrypted, Available 0 Selected 0.
- Buttons: Add, Cancel.

Tick the Thermal Camera and click on “Add”. Note the camera’s IP address.

The screenshot shows the 'Auto Search' window with search results. The first device is selected:

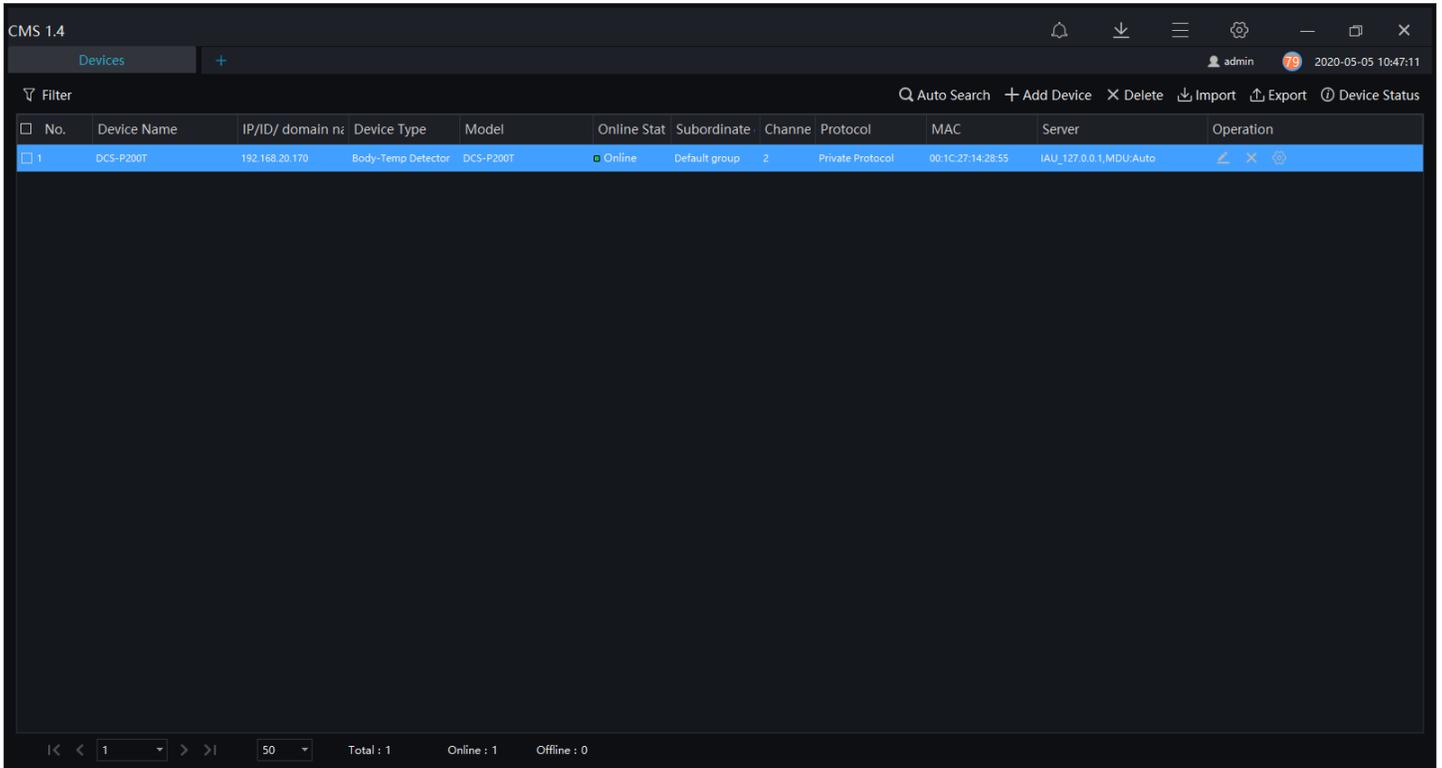
No.	Device Name	IP/URL	MAC	Device Type	Model	Channel	Result
<input checked="" type="checkbox"/> 1	DCS-P200T	192.168.20.170	00:1C:27:14:28:55	Body-Temp Detector	DCS-P200T	2	Connect Success
<input type="checkbox"/> 2	192.168.20.39	192.168.20.39	f2178194-1dd2-11b2-96a6...	IPC	Onvif_Device	0	System Error(-6000)
<input type="checkbox"/> 3	192.168.20.32	192.168.20.32	f0ee57dd-33fd-f6e8-5dd7...	IPC	Onvif_Device	0	Message parsing failed(-6048)
<input type="checkbox"/> 4	192.168.20.38	192.168.20.38	516e4665-022c-5768-4c6f...	IPC	Onvif_Device	0	Message parsing failed(-6048)
<input type="checkbox"/> 5	192.168.20.31	192.168.20.31	7d31e1d9-fc47-7b37-ebd...	IPC	Onvif_Device	0	Message parsing failed(-6048)
<input type="checkbox"/> 6	192.168.20.34	192.168.20.34	f0ee57dd-33fe-f6e8-5dd7...	IPC	Onvif_Device	0	Message parsing failed(-6048)
<input type="checkbox"/> 7	192.168.20.144	192.168.20.144	01c80000-fe7f-11de-8a39-...	IPC	Onvif_Device	0	Message parsing failed(-6048)

Bottom status: All device types, All connect results, Unencrypted, Available 7 Selected 1. The 'Add' button is highlighted in blue.

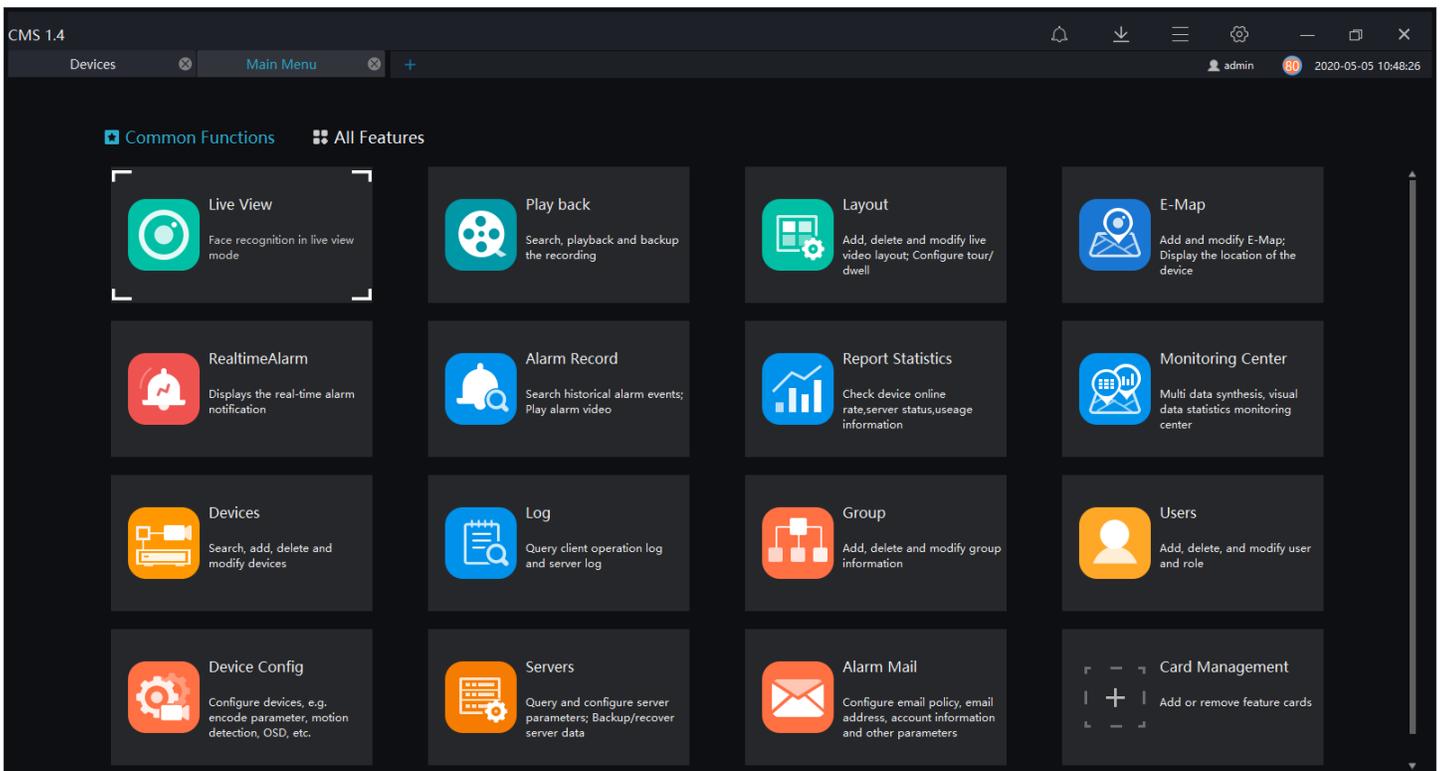
By default the camera is set to DHCP.

If no DHCP the camera will stay on 192.168.0.121

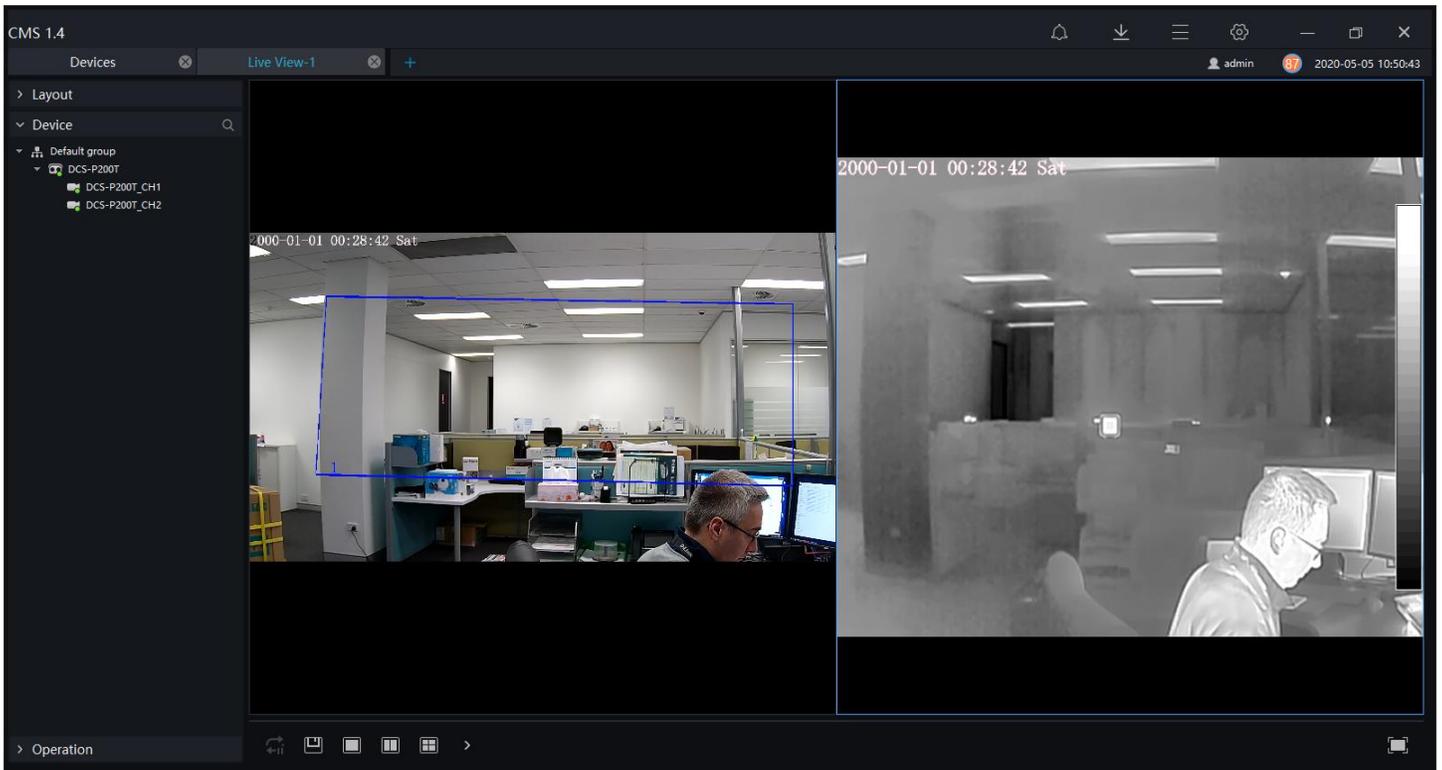
The camera will appear as "Online" under Devices.



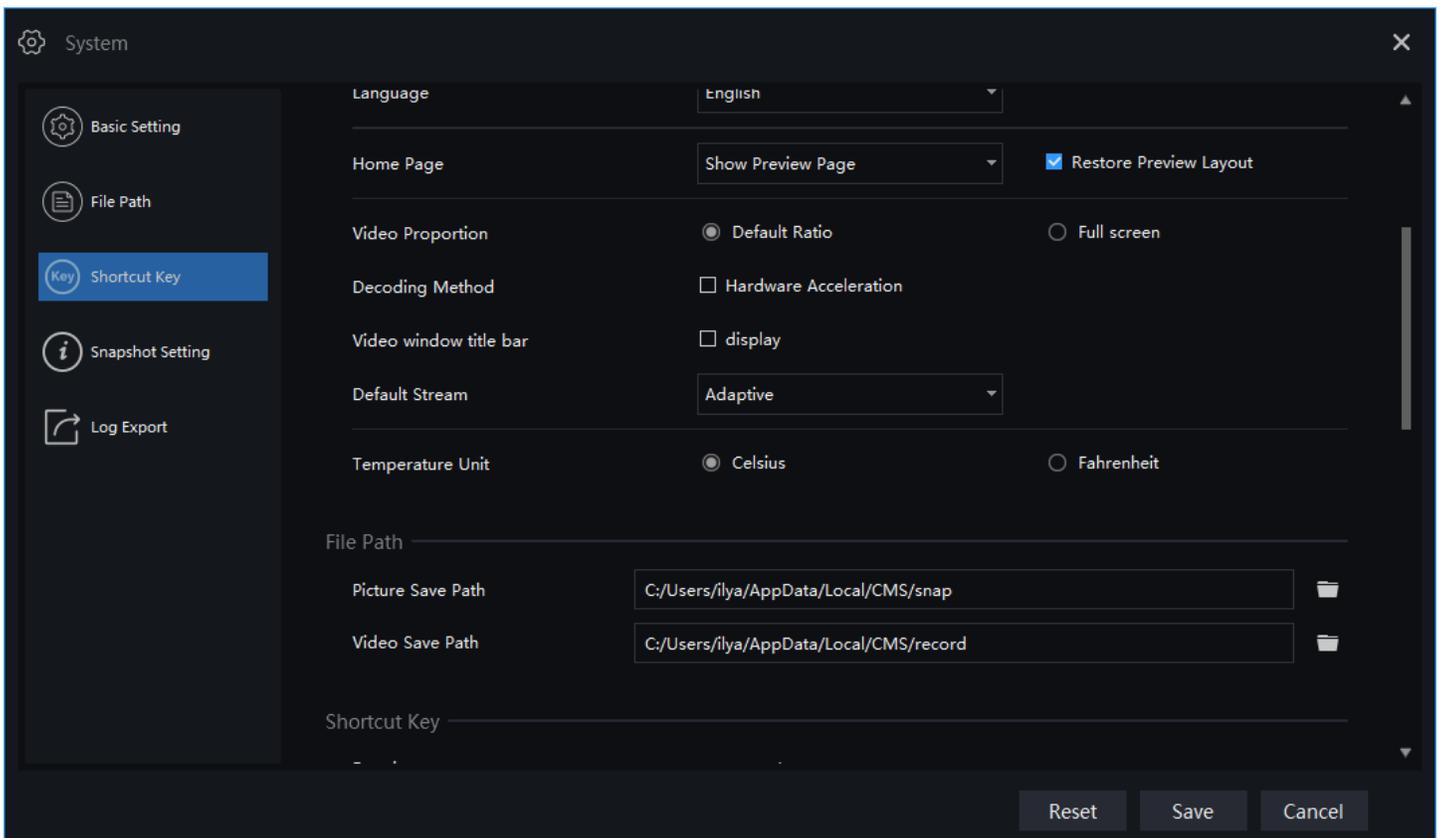
Add a new tab: "Live View":



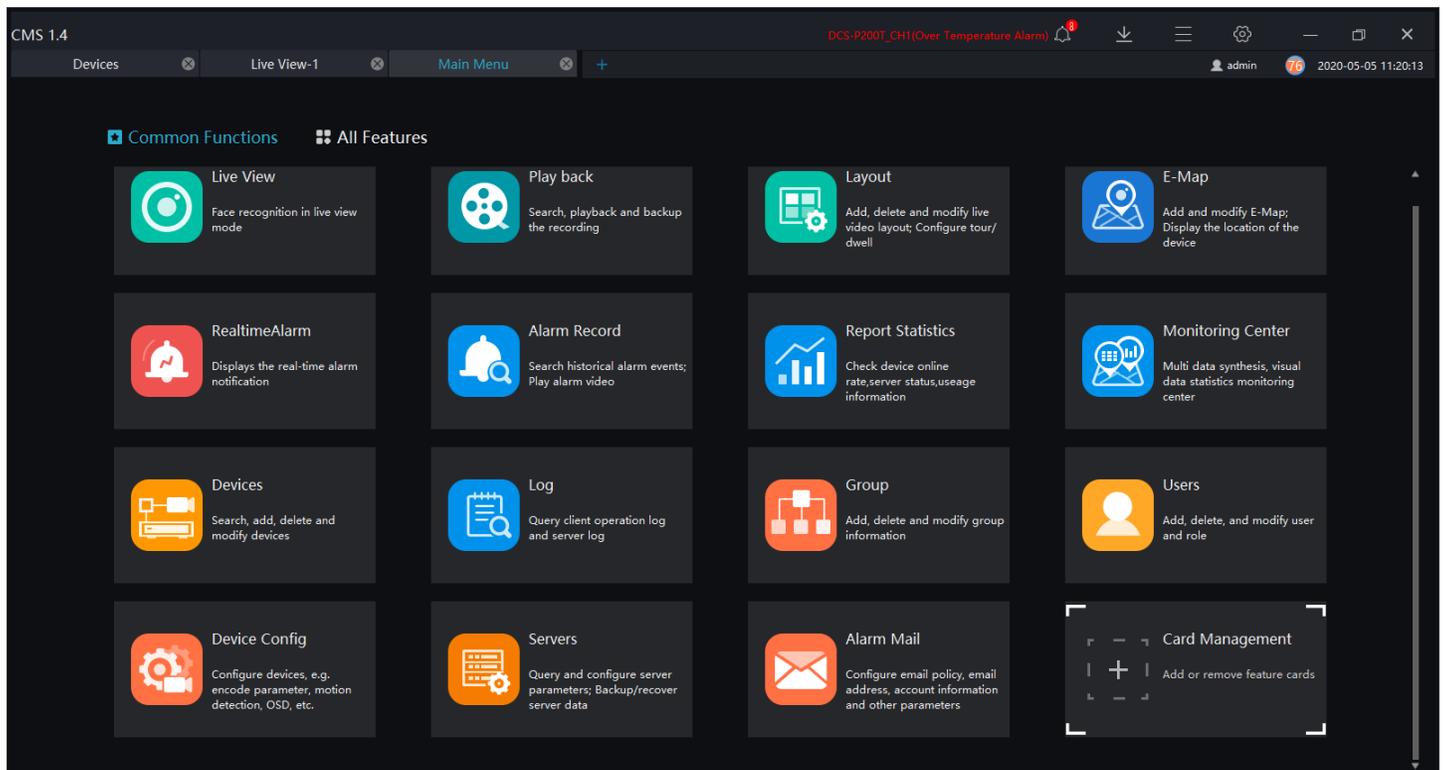
Select two-stream layout at the bottom and drag each of the camera's streams into its window.



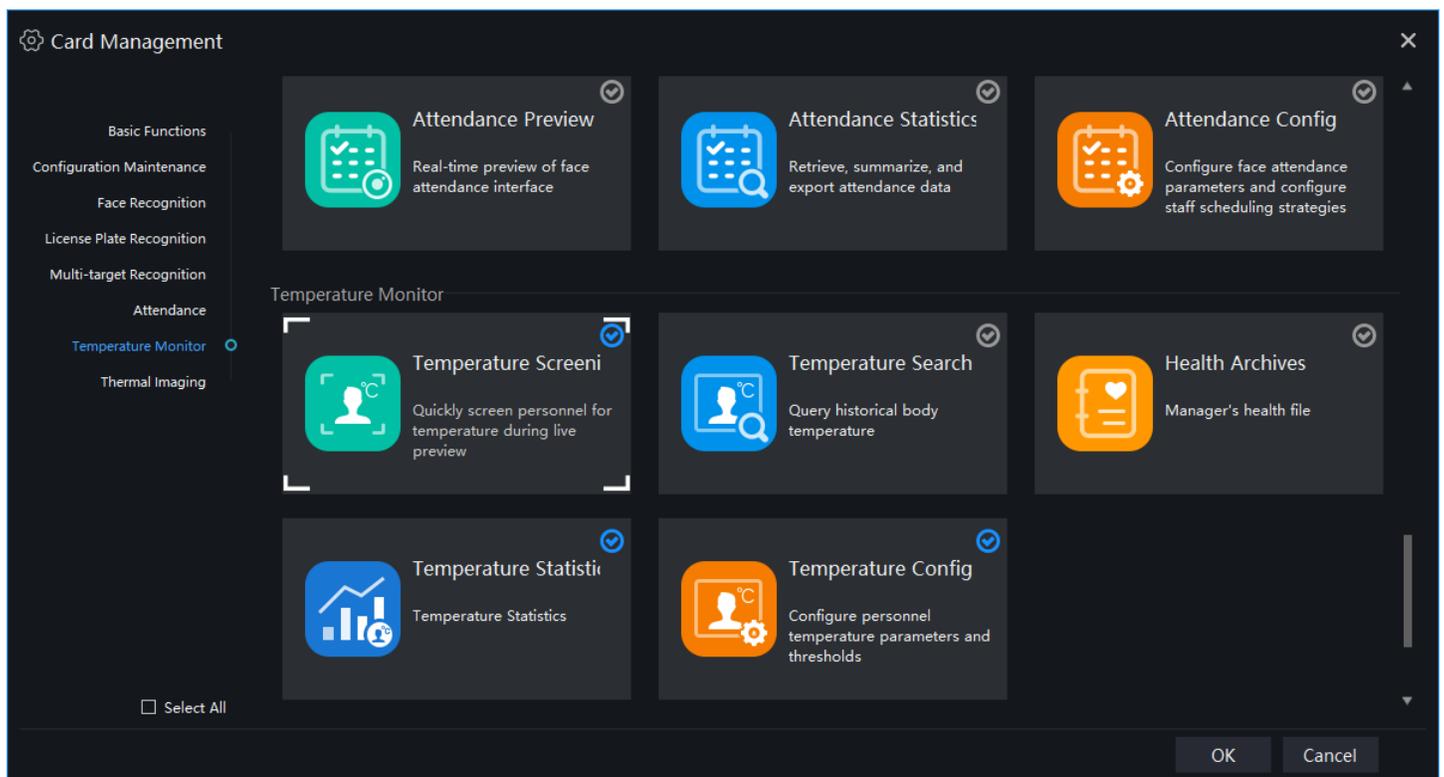
Go to System configuration menu and make sure that the Temperature Unit is set to "Celsius".



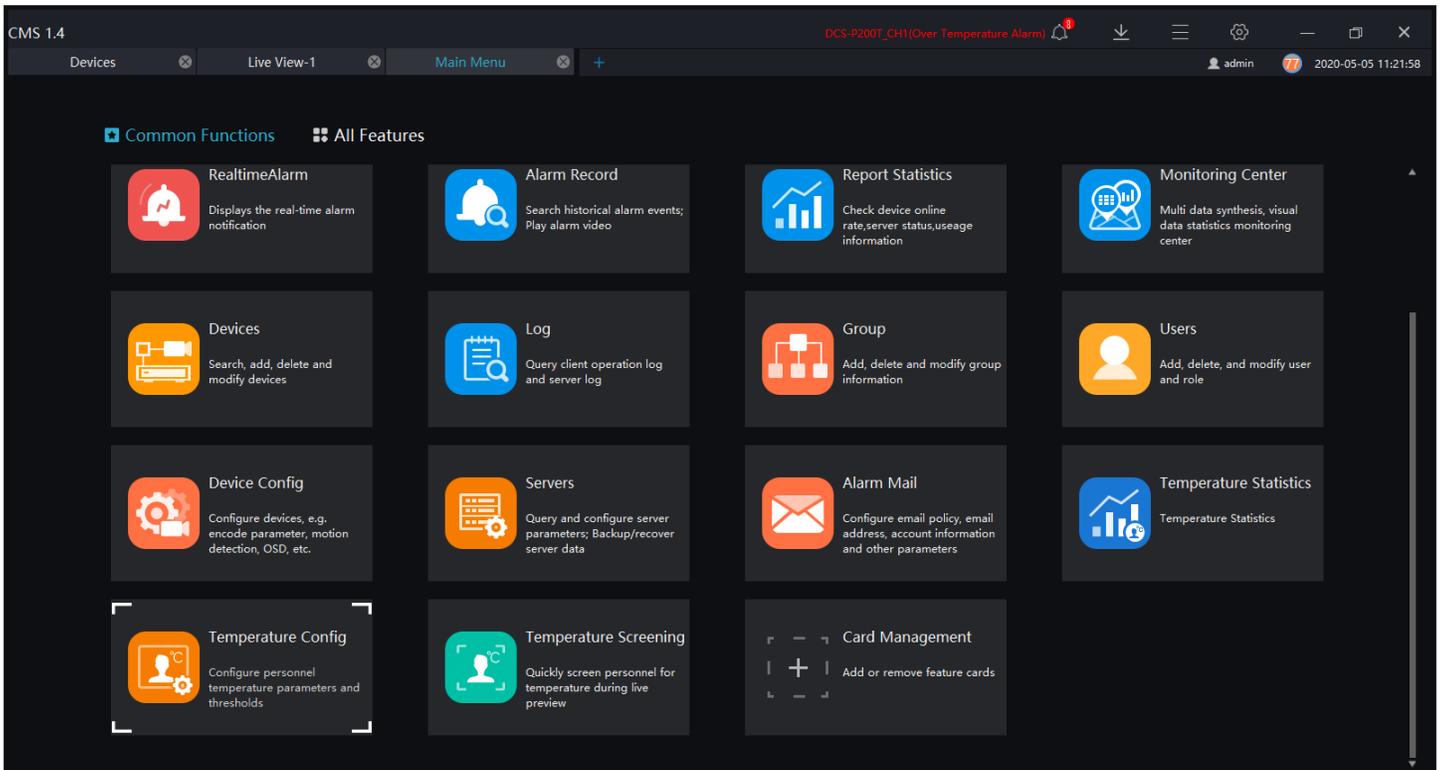
Go to “Card Management”



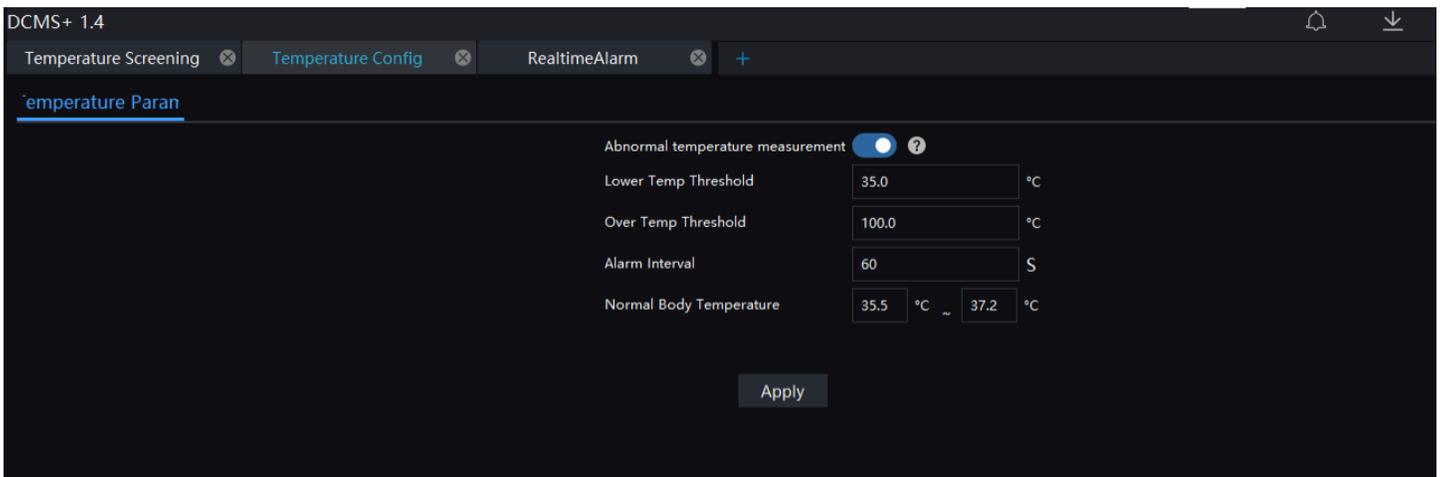
Tick the “Temperature Screening” and “Temperature Config” cards. Click OK.



Open the “Temperature Config”:



Set your temperature monitoring parameters.



Add the "Temperature Screening" tab.

The screenshot displays the CMS 1.4 interface with the following components:

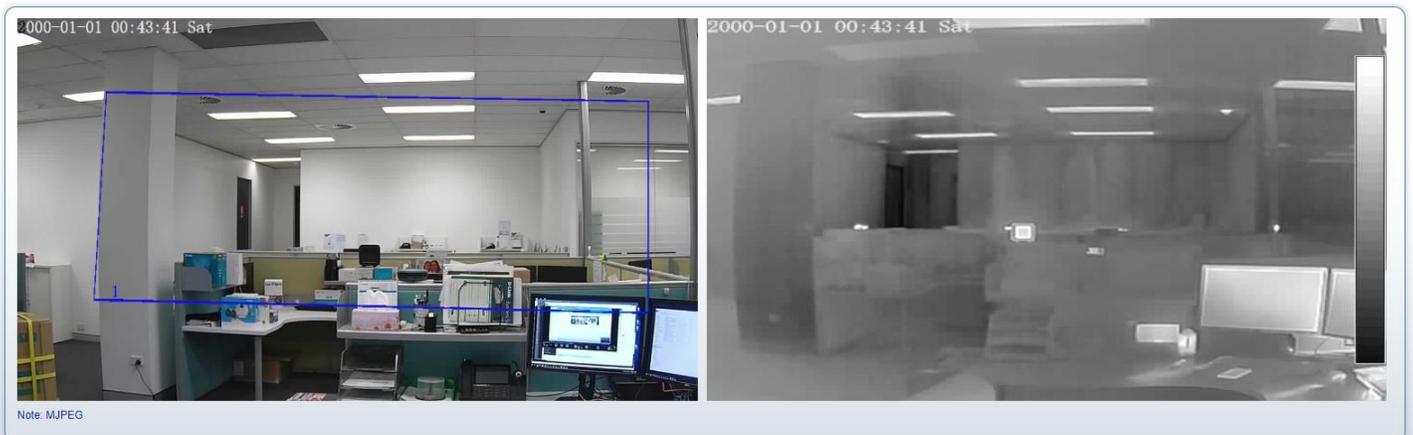
- Top Bar:** Shows 'CMS 1.4' on the left, navigation icons (home, download, menu, settings, refresh, close) on the right, and user information 'admin' and '2020-05-05 11:25:49'.
- Navigation Tabs:** 'Live View-1', 'Temperature Config', and 'Temperature Screening' (the active tab).
- Data statistics (Left Panel):**
 - Section: '[Default group] Temperature Statistics'
 - Visual: A gauge showing '17 Snap Count'.
 - Summary: 'Total 17' and 'Over temp 8'.
- Device list (Left Panel):**
 - Section: 'Device list'
 - Tree view: 'Default group' > 'DCS-P200T' > 'DCS-P200T_CH1' and 'DCS-P200T_CH2'.
- Video Feeds (Center):**
 - Left feed: Shows a control room with a blue bounding box around a person.
 - Right feed: Shows a server room with a green bounding box around a person.
 - Timestamps: '2000-01-01 01:03:49 Sat' are visible in the top left of each feed.
- Temperature record (Right Panel):** A dark panel with a refresh icon and a settings gear.
- Bottom Panel:** A red banner with the text 'Over temp Snapshot'.

Thermal Camera Configuration

The camera should be mounted and Blackbody Unit installed in the camera's field of view 3-5m away.

Log into the camera using a Web browser. Default username/password is admin/admin.

The camera is set to DHCP, but if there is no DHCP server it will use 192.168.0.121



Go to Configuration > Temperature Measurement > Thermal Mapping.

Select Mapping Point “Point One” and click on left image to position the crosshair. Then position the crosshair on the right image, pinpointing the same location on the image.

Select Mapping Point Two and repeat positioning crosshairs on other areas of the image.

Repeat the same for Mapping Point Three.

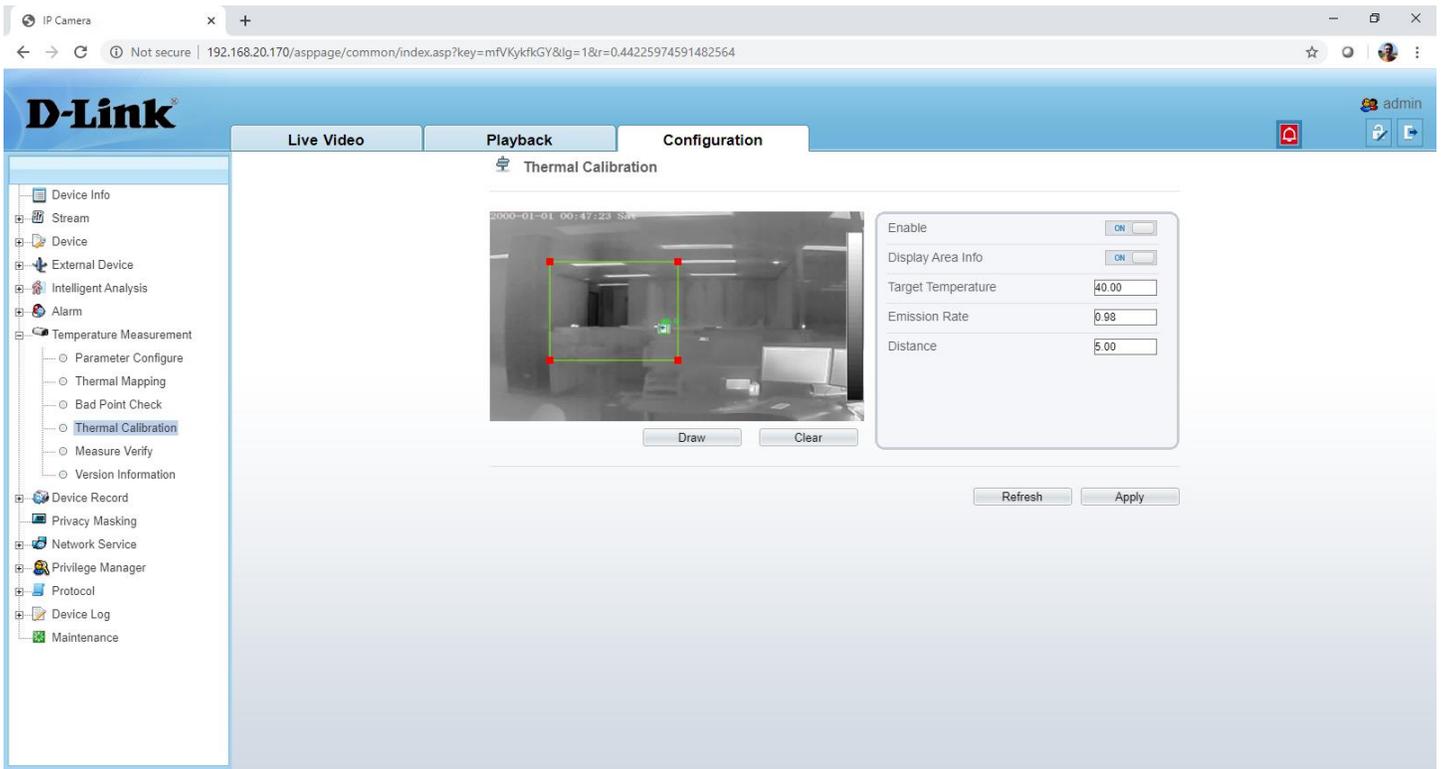
Once done, click on Apply.

The screenshot shows the D-Link IP Camera web interface. The browser address bar displays the URL: 192.168.20.170/asppage/common/index.asp?key=mVkykfkGY&lq=1&r=0.44225974591482564. The interface has a blue header with the D-Link logo and a navigation menu with tabs for Live Video, Playback, and Configuration. The Configuration tab is active, and the Thermal Mapping sub-tab is selected. On the left, a tree view shows the configuration structure, with Temperature Measurement > Thermal Mapping highlighted. The main area shows two camera views side-by-side. The left view has a blue rectangular box and a red crosshair. The right view has a red crosshair and a blue crosshair. Below the images are controls for zooming, panning, and locking focus. A configuration form includes fields for ID (1), Scene Depth (5), and Mapping Point (Point One). Buttons for Refresh and Apply are at the bottom.

Go to Thermal Calibration.

Set it to Enable.

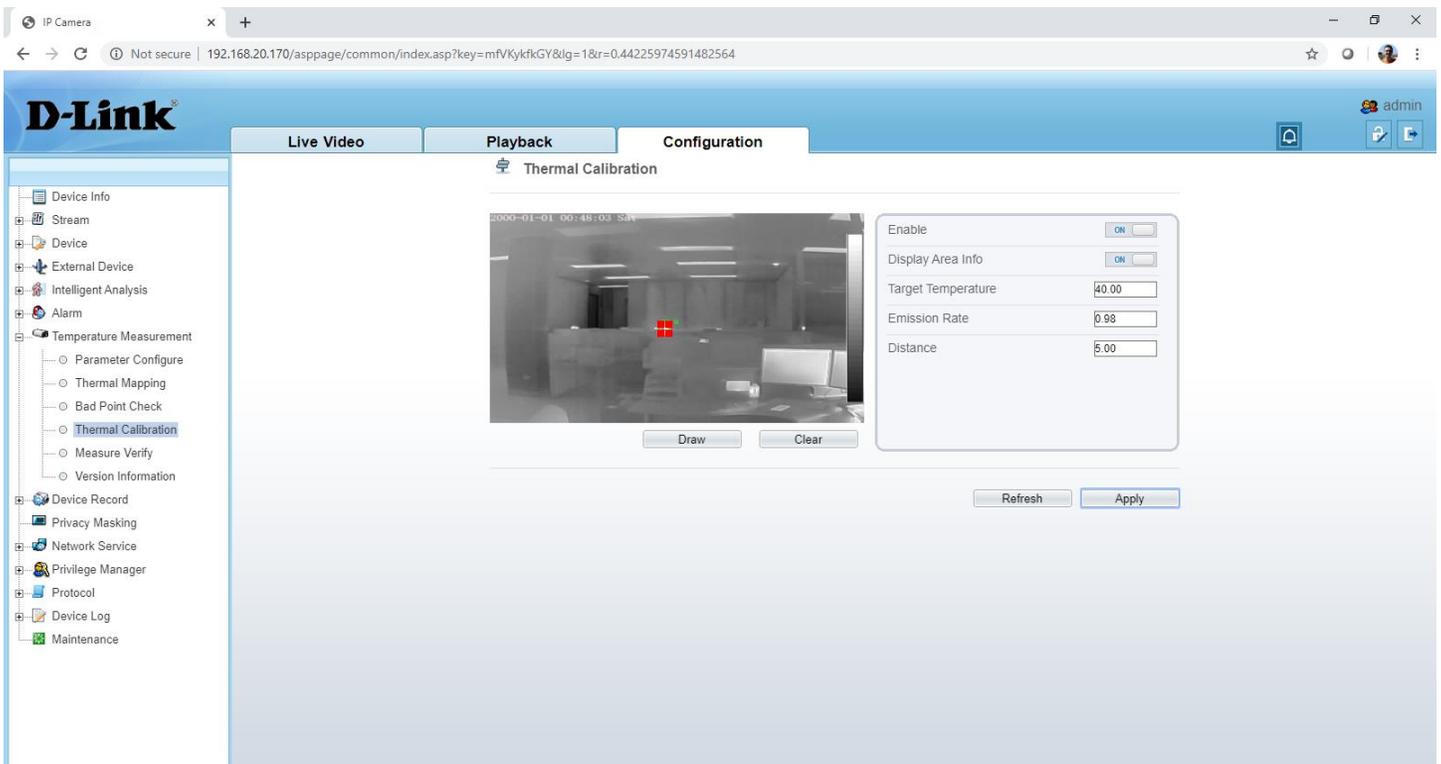
Click on "Draw".



The screenshot shows the D-Link IP Camera web interface. The browser address bar displays the URL: 192.168.20.170/asppage/common/index.asp?key=mV/KyktkGY&lq=1&r=0.44225974591482564. The interface has a blue header with the D-Link logo and a user profile for 'admin'. Below the header are three tabs: 'Live Video', 'Playback', and 'Configuration'. The 'Configuration' tab is active, and the 'Thermal Calibration' sub-tab is selected. On the left is a navigation tree with 'Thermal Calibration' highlighted. The main area shows a video feed with a green rectangle drawn around a central object. Below the video are 'Draw' and 'Clear' buttons. To the right is a configuration panel with the following settings: 'Enable' (checked), 'Display Area Info' (checked), 'Target Temperature' (40.00), 'Emission Rate' (0.98), and 'Distance' (5.00). At the bottom right are 'Refresh' and 'Apply' buttons.

Resize the rectangle so it is drawn around the Blackbody Unit.

Specify the distance from the camera to the blackbody.



The screenshot shows the D-Link IP Camera web interface, similar to the previous one. The 'Thermal Calibration' configuration page is still active. In this view, the video feed shows a red crosshair instead of a green rectangle. The configuration panel on the right remains the same: 'Enable' (checked), 'Display Area Info' (checked), 'Target Temperature' (40.00), 'Emission Rate' (0.98), and 'Distance' (5.00). The 'Draw' and 'Clear' buttons are still present below the video feed, and 'Refresh' and 'Apply' buttons are at the bottom right.

Note: if the camera or Blackbody Unit is moved, you need to re-set Thermal Mapping and the Thermal Calibration.

The screenshot shows the D-Link IP Camera configuration interface. The 'Configuration' tab is active, and the 'Face Detection' sub-tab is selected. A live video feed is displayed with a green bounding box around a person's face. The 'Face Detection' settings panel includes:

- Face Detection: ON
- Display Trace Info: Mode1
- Show Detection Area: ON
- Confidence Coefficient: Mid
- Area ID: 1
- Face Pixel Min(1-2000): 70
- Face Pixel Max(1-2000): 1000
- Image Matting Quality: Mid

Below the video feed, there are two tabs: 'Temperature Parameters' and 'Face Alarm Linkage'. The 'Temperature Parameters' tab is active, showing the following settings:

- Enable: ON
- Temperature Unit: Celsius
- Length Units: Meters
- Ambient Temperature: 25.00
- Cavity Temperature: 31.98
- Correction Coefficient: 0.00
- Mount Distance: 5.00
- Face Color: OFF
- Environment Adaptation: OFF

This screenshot shows the same D-Link IP Camera configuration interface, but with the 'Temperature Parameters' sub-tab selected. The settings are as follows:

- Enable: ON
- Temperature Unit: Celsius
- Length Units: Meters
- Ambient Temperature: 25.00
- Cavity Temperature: 31.98
- Correction Coefficient: 0.00
- Mount Distance: 5.00
- Face Color: OFF
- Environment Adaptation: OFF
- Abnormal Temperature Display: OFF
- Temperature Area: Mode1
- Temperature Measure Mode: Mode1

At the bottom of the configuration panel, there are 'Refresh' and 'Apply' buttons.

IP Camera | 192.168.20.170/asppage/common/index.asp?key=mvKykfkGY&lg=1&tr=0.44225974591482564

D-Link

admin

Live Video | Playback | Configuration

Temperature Parameters | Face Alarm Linkage

Output Channel 1 2

Alarm Rules

Alarm Temperature

Alarm Interval(1-1800S)

Alarm Record OFF

SMTP OFF

FTP Upload OFF

Armed UnArmed

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Sun																									
Mon																									
Tue																									
Wed																									
Thur																									
Fri																									
Sat																									

Refresh Apply

CMS 1.4

Live View-1 | Temperature Config | Temperature Screening

admin 77 2020-05-05 11:27:05

Data statistics | Default group

[Default group] Temperature Statistics

19 Snap Count

Total 19

Over temp 8

Device list

- Default group
 - DCS-P200T
 - DCS-P200T_CH1
 - DCS-P200T_CH2

2000-01-01 01:05:04 Sat

2000-01-01 01:05:04 Sat

Temperature record

	Stranger	11:26:51	DCS-P200T	37.0°C
	Stranger	11:26:46	DCS-P200T	36.9°C

Over temp Snapshot