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1. Introduction of 5MP IP HDMI Dome Camera O5DH



5MP IP HDMI dome camera is mainly designed for retail environment loss prevention.

With HDMI output, users can connect to TV/monitors to have no-latency IP video for active deterrence.

Besides, the camera supports “Banner” function, allow users to upload their brand image to show on the IP video (PIP).

And when faces are continuously detected about 3s, a deterrence picture like “RECORDING IN PROGRESS” will pop-up. Users can upload their own picture to pop-up when faces detected.

SPECO IP HDMI dome camera supports 1TB Max TF card for remote recording, it can ensure longer time recording.

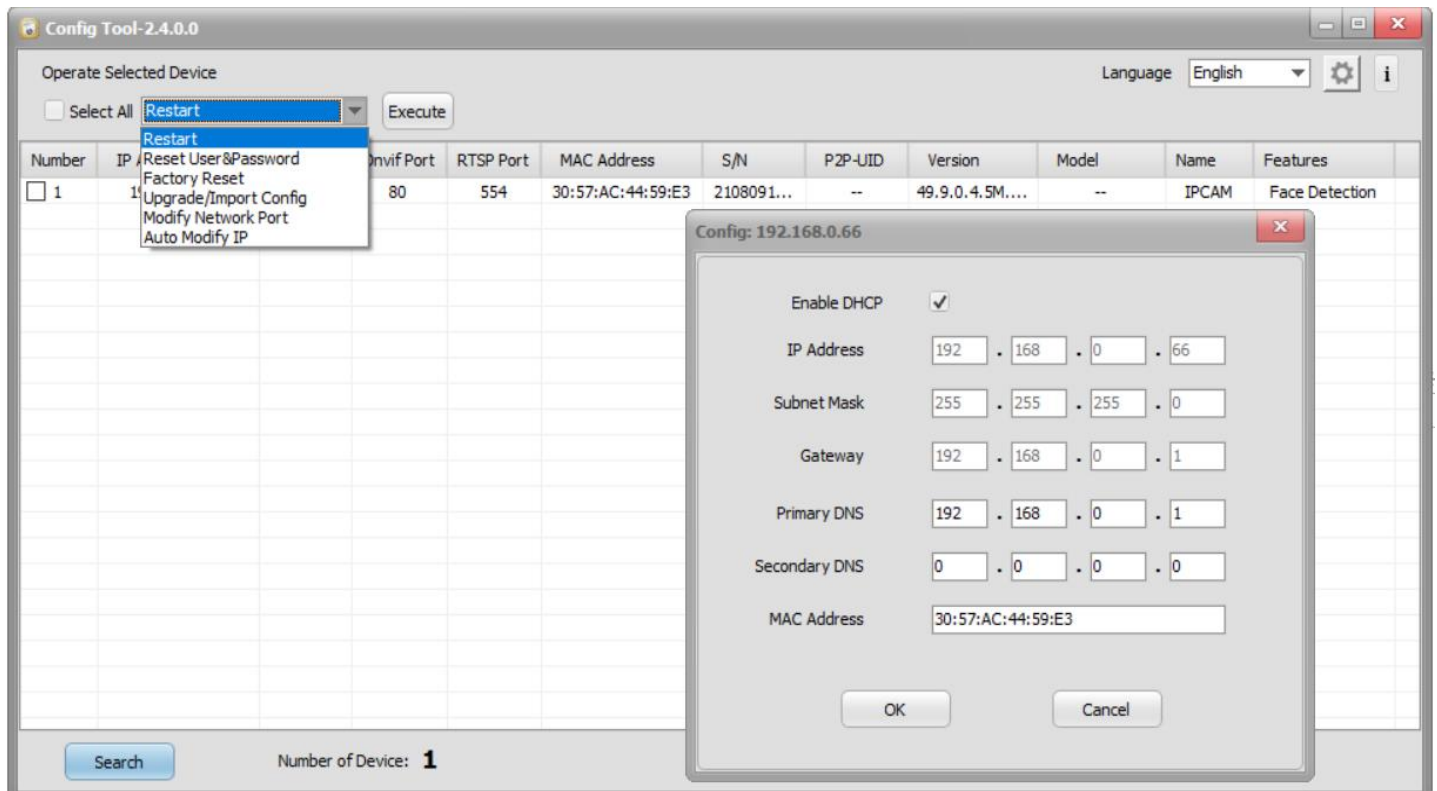
2. Interfaces of 5MP IP HDMI Dome Camera O5DH



3. IP Tool for 5MP IP HDMI Dome O5DH

3.1 IP Tool Installation

Customers can use our IP Config Tool to search/modify/factory reset/FW upgrading, etc



3.2 IPC Default Information

Default address: 192.168.0.66 (DHCP default enabled)

Default username and PW: admin (PW is required to modify when you log in Web at the first time)

Please note:

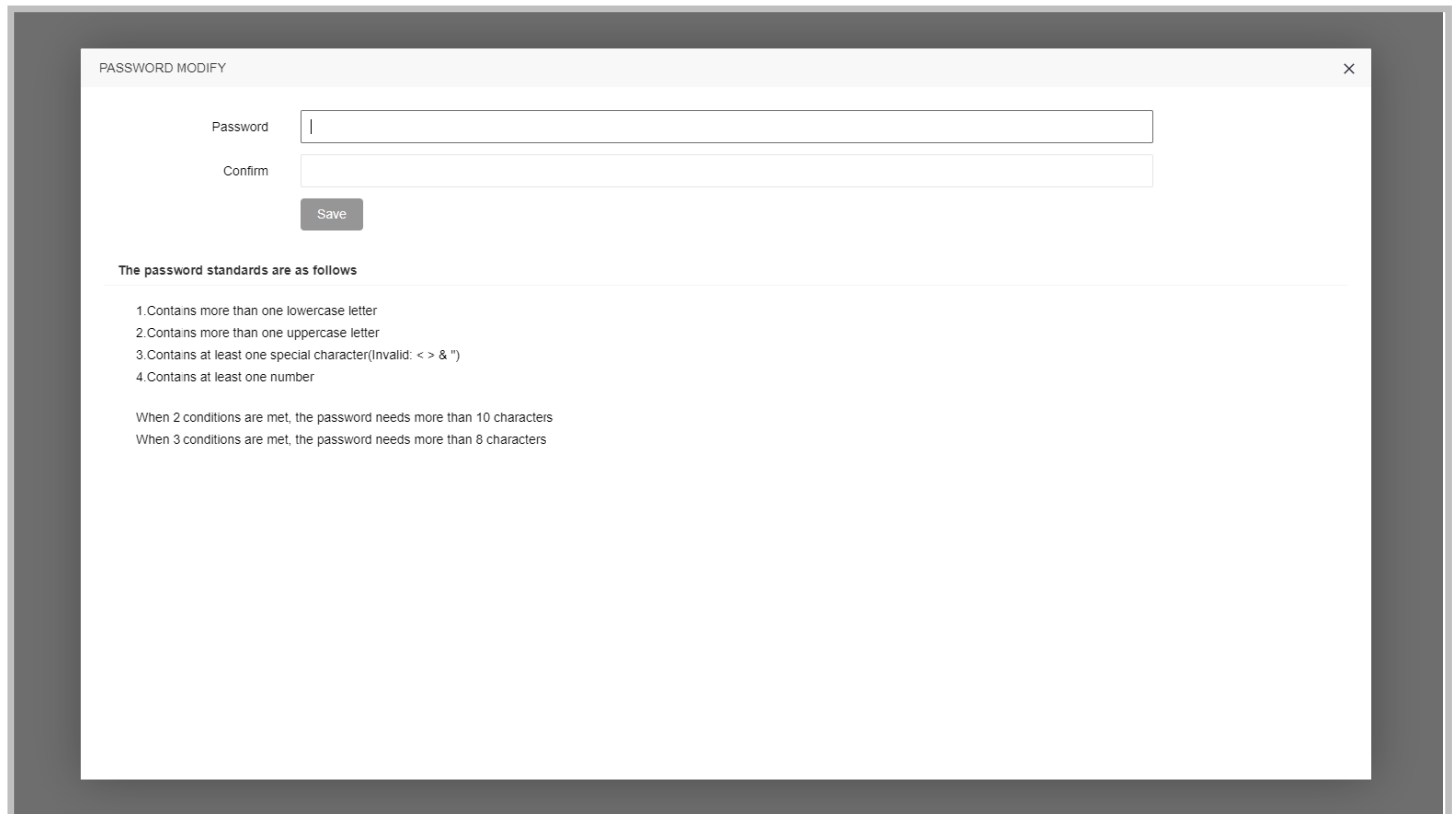
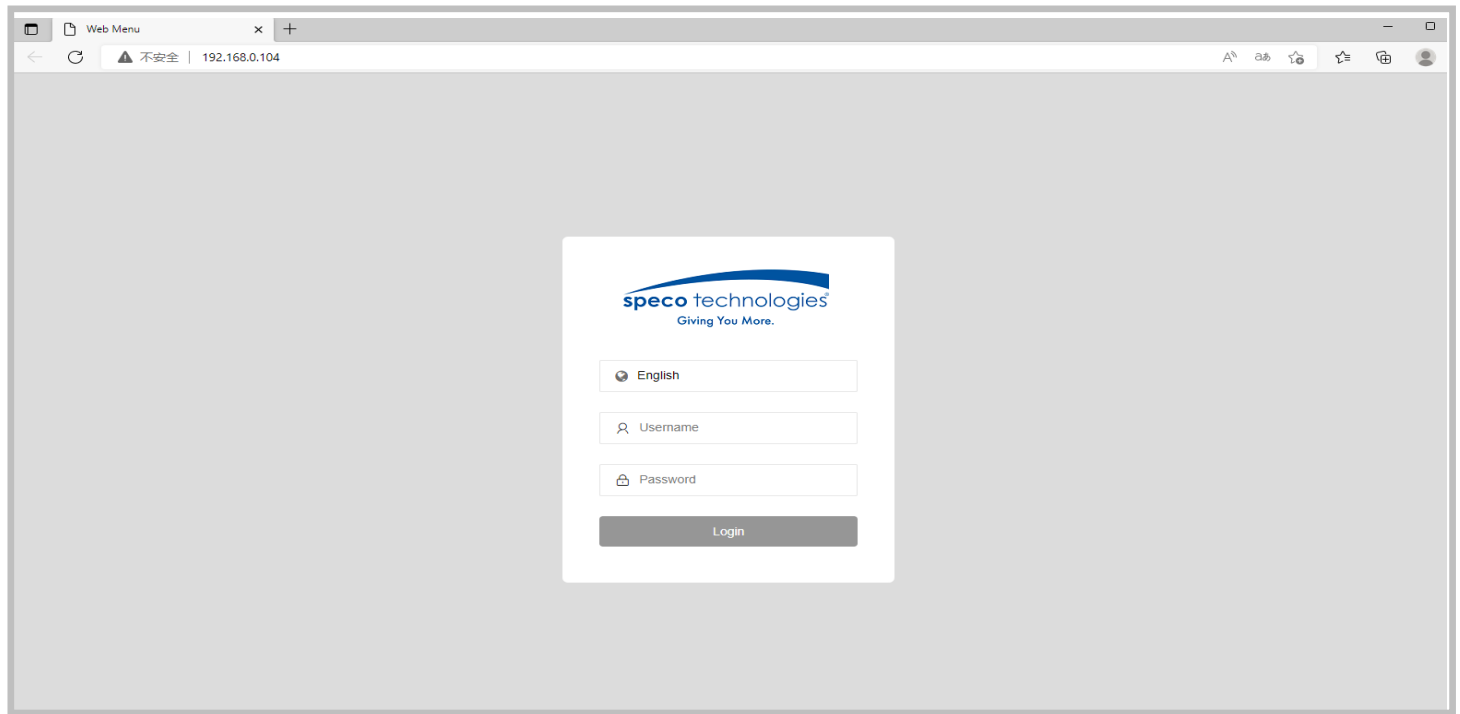
1. Ensure your PC & Camera are in same network segment, so you can enter into the IPC web without issue;
2. Use **Non-IE** browsers to login IPC Web, we prefer to suggest Chrome.

4. 5MP IP HDMI Camera O5DH Operation Guiding

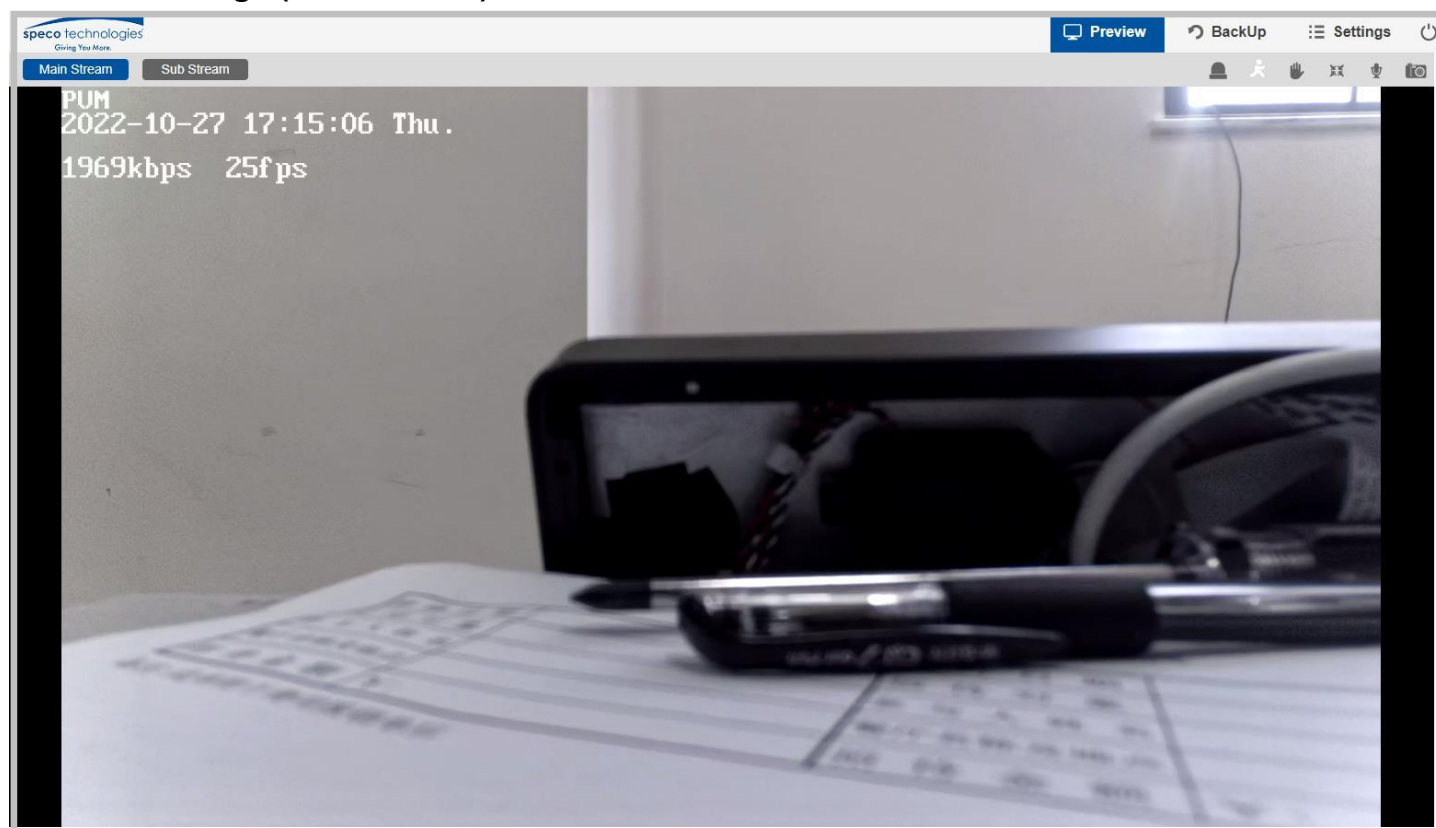
4.1 Web Login

Please type in correct IP address of your camera on browser, and:

1. Type in default PW “admin”;
2. Enter into PW change page and change your PW (PW is forced to change to ensure safety).



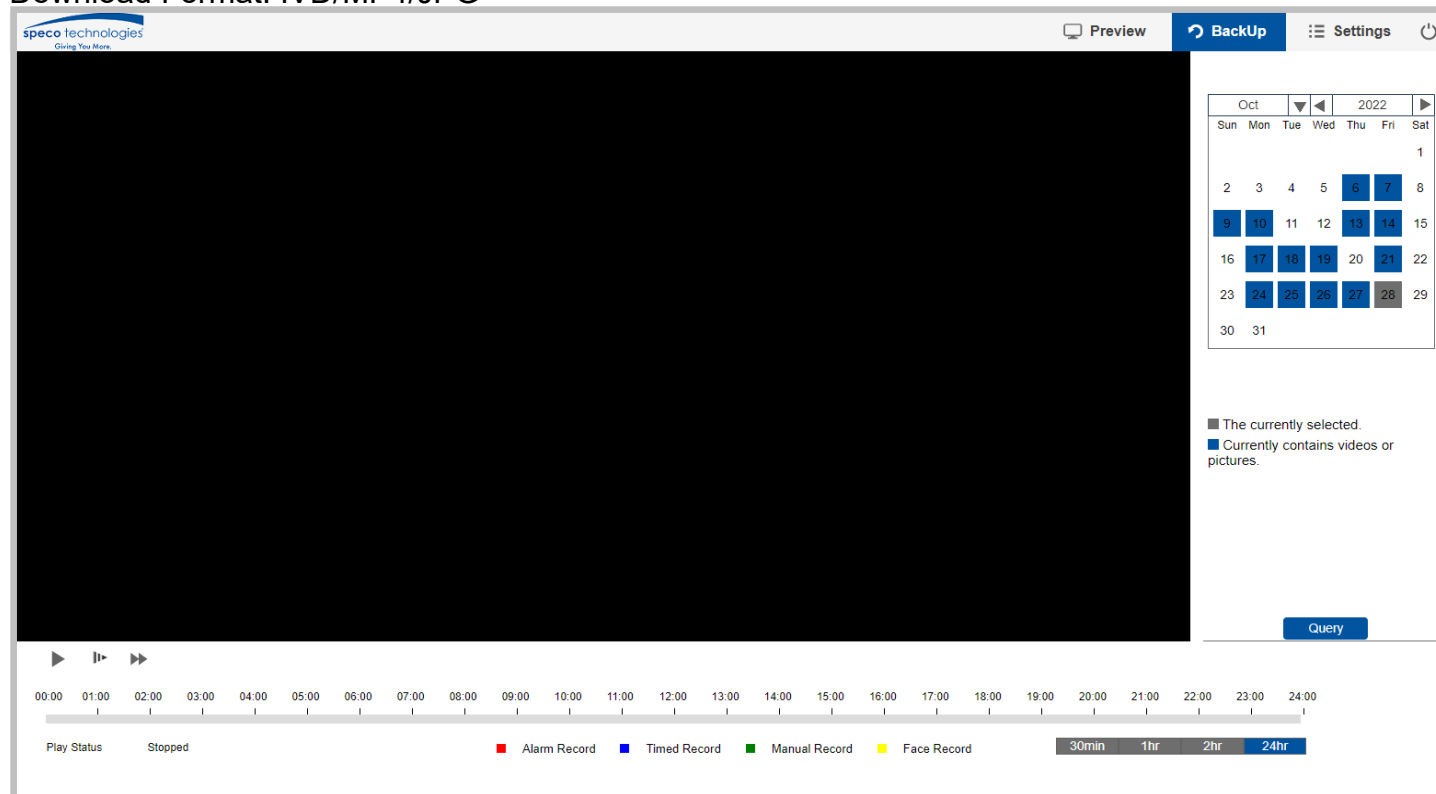
4.2 Preview Page (Main Stream)



4.3 Backup

Record Files: Alarm/Timed/Manual/Face Detection

Download Format: IVD/MP4/JPG



4.4 Settings

Including: Config Media/Network/Alarm Config/Record/System/Intelligence/PVM Function

The screenshot displays the 'Config Media' settings page in the SPECO web interface. The left sidebar contains navigation links: Network, Alarm Config, Record, System, Intelligence, and PVM Function. The top bar has 'Preview', 'BackUp', and 'Settings' buttons. The main content area is divided into 'Main Stream' and 'Sub Stream' sections. The 'Main Stream' section includes settings for Frame Rate (25), Codec (H265), Bitrate Mode (VBR), Resolution (1920*1080(1080P)), Video quality (Better), Video Rate (2048 Kbit), and I Frame Interval (50 FPS). The 'Sub Stream' section includes settings for Frame Rate (25), Codec (H265), Bitrate Mode (VBR), Resolution (640*360(nHD)), Video quality (Better), and Video Rate (512 Kbit).

4.4.1 Config Media

Please note:

1. If you use camera in corridor environment, you can adjust “camera angle”;

The screenshot displays the 'Image' settings page in the SPECO web interface. The left sidebar contains navigation links: Network, Alarm Config, Record, System, Intelligence, and PVM Function. The top bar has 'Preview', 'BackUp', and 'Settings' buttons. The main content area is divided into 'Image' and 'OSD' sections. The 'Image' section includes a live video feed and a series of sliders and dropdown menus for adjusting image parameters. The sliders include Hue, Brightness, Contrast, Saturation, and Sharpness. The dropdown menus include 3DNR, Exposure mode, BLC mode, Day/Night, Mirror, Turn, and FLC.

4.4.2 Network

Including: TCP/IP, Email, FTP, UPNP, RTSP.

The screenshot shows the web interface of the SPECO 5MP IP HDMI DOME O5DH. The left sidebar contains a menu with options: Config Media, Network, TCP/IP (selected), Email, FTP, UPNP, RTSP, Alarm Config, Record, System, Intelligence, and PVM Function. The main content area is titled 'TCP/IP' and contains the following configuration fields:

Max connection	10
DHCP	Enable
IPv4 Address	192.168.1.203
IPv4 Subnet	255.255.255.0
IPv4 Gateway	192.168.1.1
IPv4 DNS 1	192.168.1.1
IPv4 DNS 2	0.0.0.0
IPv4 MacAddr	30:57:AC:44:6F:A4
IPv6 Address	2001:250:3000:1::1:7
IPv6 Gateway	2001:250:3000:1::1:1
IPv6 DNS1	2001:da8:2000:2017::33
IPv6 DNS2	2001:da8:2000:2193::33

Please note:

1. HTTP Port: 80
2. Onvif Port: 80
3. RTSP Port: 554, and instruction is below:

rtsp://192.168.0.66:554/H264?channel=1&subtype=0&unicast=true&proto=Onvif/video

Note: subtype=0 (main stream) ; subtype=1 (sub stream)

The screenshot shows the web interface of the SPECO 5MP IP HDMI DOME O5DH. The left sidebar contains a menu with options: Config Media, Network, TCP/IP, Email, FTP, UPNP, RTSP (selected), Alarm Config, Record, System, Intelligence, and PVM Function. The main content area is titled 'RTSP' and contains the following configuration fields:

RTSP Port	554 (1-65535)
RTSP Authentication	Enable
	<button>Save</button>
Instruction	rtsp://192.168.1.203:554/H264?channel=1&subtype=0&unicast=true&proto=Onvif/video Note: subtype=0 (main stream) ; subtype=1 (sub stream)

4.4.3 Alarm Config

Including: Motion Detection/Video Blind/Alarm

Please note:

1. To set motion detection region/sensitivity/threshold, please enter “Regional Edit”.

The screenshot shows the 'Motion Detection' configuration page. On the left is a sidebar with navigation options: Config Media, Network, Alarm Config (selected), Motion Detection (active), Video Blind, Alarm, Record, System, Intelligence, and PVM Function. The main area has tabs for Motion Detection, Video Blind, and Alarm. Under Motion Detection, there are checkboxes for Enable, Alarm Output, Record Video, and Send Email. Below these are seven horizontal timelines for each day of the week (Sunday to Saturday), each with a 'Setup' button. At the bottom, there are four 'Time Period' settings, each with a checkbox and a time range selector (HH:MM:SS - HH:MM:SS). A 'Select All' checkbox is also present. At the very bottom, there are checkboxes for each day of the week, with Friday selected.

The screenshot shows the 'Regional Edit' interface. On the left is the same sidebar as the previous screenshot. The main area has tabs for Motion Detection, Video Blind, and Alarm. Under Motion Detection, there is a 'Regional Edit' section. It features a video feed with a blue grid overlay for defining the detection region. To the right of the video feed are controls for 'Sensitivity' (a dropdown menu set to 'Medium') and 'Threshold' (a slider set to 5). Below these controls is a vertical scale from 0 to 100. At the bottom right are four buttons: FullScreen, ClearScreen, Save, and Back.

4.4.4 Record

Including: Schedule/SD Storage/Snapshot/Destination/NAS//System Log

Please note:

1. Ensure your camera is powered off before you insert TF card for remote recording;
2. After power up, please format your TF card;

The screenshot shows the 'Schedule' configuration page in the SPECO web interface. The left sidebar contains navigation options: Config Media, Network, Alarm Config, Record, Schedule (selected), SD Storage, Snapshot, Destination, NAS, System Log, System, Intelligence, and PVM Function. The main content area has tabs for Schedule, SD Storage, Snapshot, Destination, NAS, and System Log. The 'Schedule' tab is active, displaying a 24-hour timeline for each day of the week (Sunday to Saturday). The 'Enable' checkbox is unchecked. Below the timeline, there are four time period settings. 'Time Period 1' is selected with a checkbox and shows a time range from 00:00:00 to 23:59:59. The other three time periods (2, 3, and 4) are unchecked and also show the same time range. At the bottom, there is a 'Select All' checkbox and a row of checkboxes for each day of the week, with 'Friday' selected.

The screenshot shows the 'SD Storage' configuration page in the SPECO web interface. The left sidebar is the same as the previous screenshot, with 'SD Storage' selected. The main content area has tabs for Schedule, SD Storage (selected), Snapshot, Destination, NAS, and System Log. The 'SD Storage' tab is active, displaying various storage settings. 'Offline Record' and 'Auto Upload' are both checked. 'Total Space', 'Used Space', and 'Available Space' are all shown as 0(M). There are 'Refresh' and 'Format' buttons. 'Overwrite' is set to 'On'. 'StreamType' is set to 'Main Stream'. 'Record Mode' is set to 'Fixed Size'. 'Record Type' is set to 'ivd'. A 'Save' button is at the bottom.

4.4.5 System

Including: Maintenance/Device Info/Set Time/User Admin

Please note:

1. You can do factory default for your camera on this page, after default, please use our IP tool to search and find out new IP address and login;
2. You can do FW upgrading on this Web page too;
3. Time zone, our default is GMT+08:00.

The screenshot displays the web interface of the SPECO 5MP IP HDMI DOME O5DH camera. The top navigation bar includes 'Preview', 'BackUp', and 'Settings'. The left sidebar lists various configuration options: 'Config Media', 'Network', 'Alarm Config', 'Record', 'System', 'Maintenance' (selected), 'Device Info', 'Set Time', 'User Admin', 'Intelligence', and 'PVM Function'. The main content area is titled 'Maintenance' and contains the following options:

- Auto Reboot: ☐ Save
- Reboot: Confirm
- Factory Default: Confirm
- Configuration File: Download
- Configuration File Upload: Select File
- Firmware Upgrade: Select File

The screenshot displays the web interface of the SPECO 5MP IP HDMI DOME O5DH camera, specifically the 'Set Time' page. The top navigation bar includes 'Preview', 'BackUp', and 'Settings'. The left sidebar lists various configuration options: 'Config Media', 'Network', 'Alarm Config', 'Record', 'System', 'Maintenance', 'Device Info', 'Set Time' (selected), 'User Admin', 'Intelligence', and 'PVM Function'. The main content area is titled 'Set Time' and contains the following options:

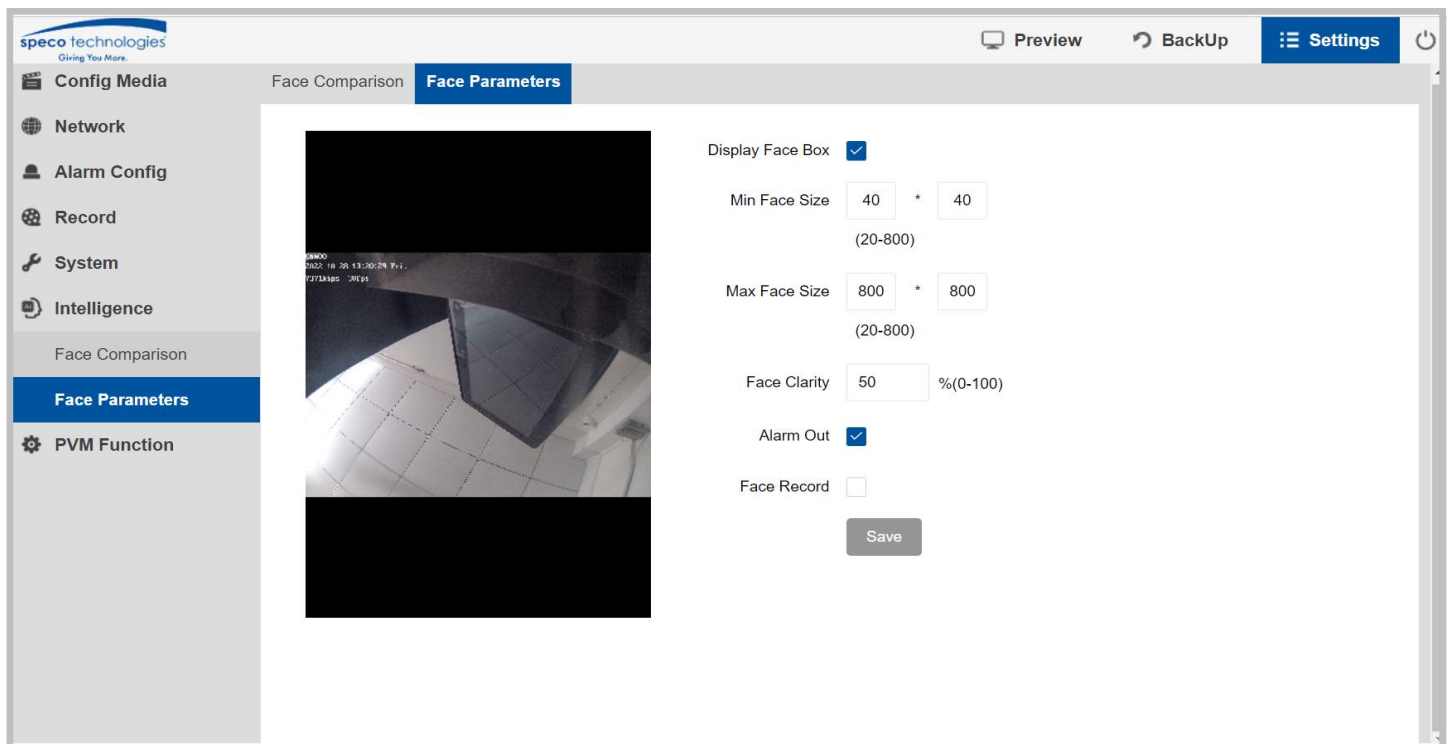
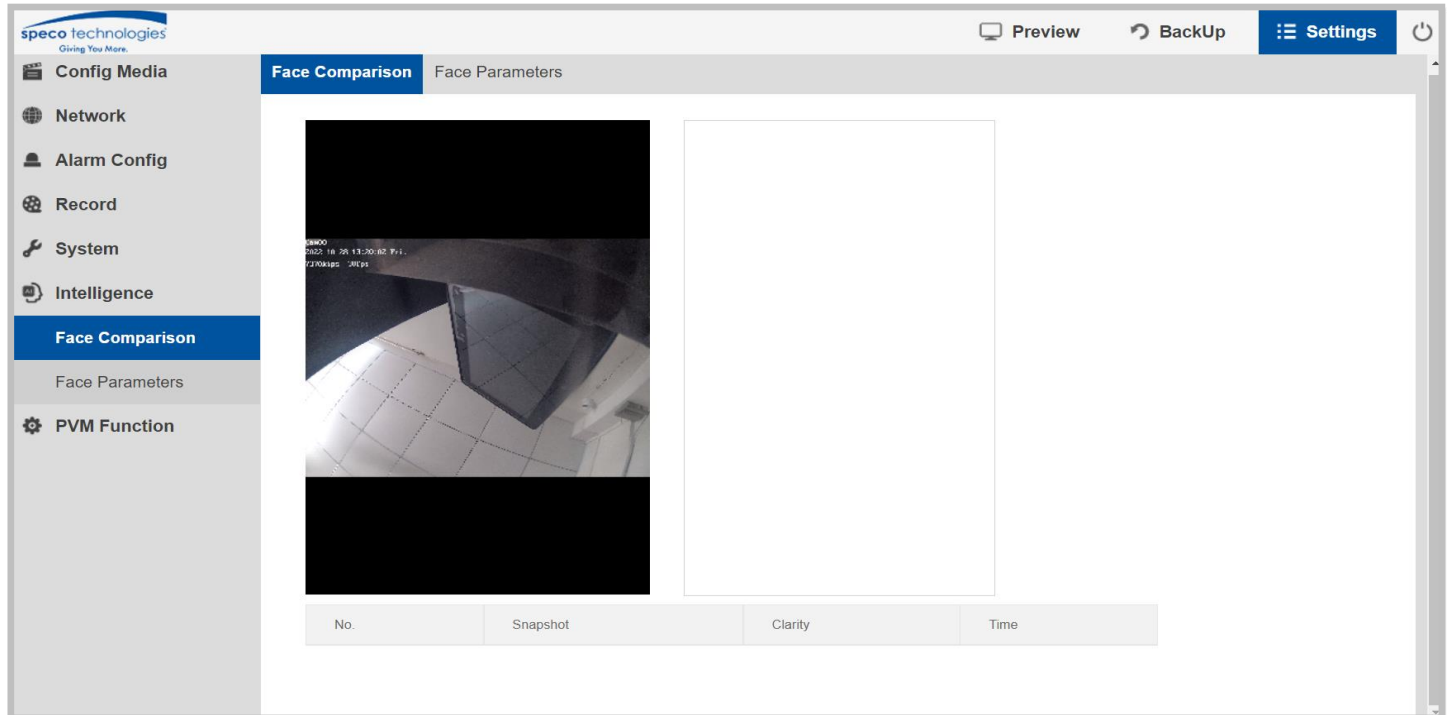
- Time Zone: GMT+08:00
- Time: 13 : 19 : 20
- Date: 2022-10-28
- Sync PC: Sync PC
- NTP: Disable
- NTP Server: time.windows.com
- Save: Save

4.4.6 Intelligence

Our AI function is face detection. This category includes Face Comparison & Face Parameters.

Please note:

1. We have face detection alarm out interface, so when face alarm output is needed in application, you can enable “Alarm output”;
2. In “Face Parameters”, you can also set face sizes and clarity.



4.4.7 PVM Function (Banner)

Including: Screen/Brand Image/Deterrence Message.

Screen: You can set screen direction with Normal/Corridor mode 90/Corridor mode 270/Invert.

The screenshot shows the 'Banner' configuration page in the SPECO web interface. The left sidebar contains navigation links: Config Media, Network, Alarm Config, Record, System, Intelligence, PVM Function, and Banner (selected). The main content area is titled 'Banner' and contains the following settings:

- Screen:** A dropdown menu for 'Screen Direction' is set to 'Normal'.
- Brand Image:** A dropdown menu is open, showing options: 'Normal' (selected), 'Corridor mode 90', 'Corridor mode 270', and 'Invert'.
- Enable:** A checkbox is present but not checked.
- PosX:** A text input field with the value '0'.
- PosY:** A text input field with the value '0'.
- Width:** A text input field with the value '200'.
- Height:** A text input field with the value '200'.
- Upload:** A text input field for uploading a file, with a 'Select File' button and a help icon (?) below it.
- Deterrence Message:** A section with four checkboxes: 'Always' (unchecked), 'Face' (unchecked), 'Motion' (unchecked), and 'Alarm Input' (unchecked).

Brand Image: You can upload a picture and show on the IP video (PIP)

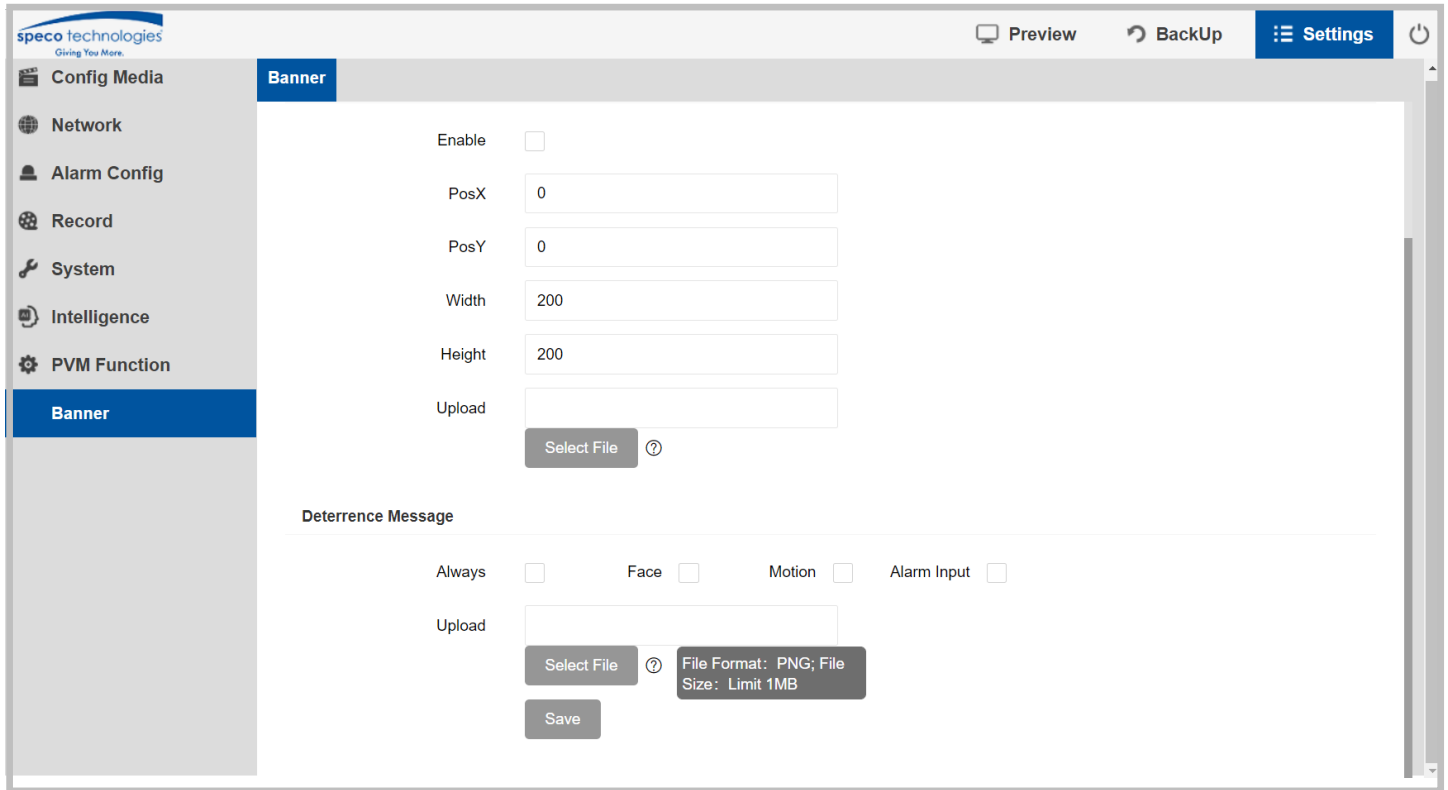
The screenshot shows the 'Banner' configuration page in the SPECO web interface, focusing on the 'Brand Image' settings. The left sidebar is the same as the previous screenshot. The main content area is titled 'Banner' and contains the following settings:

- Screen:** A dropdown menu for 'Screen Direction' is set to 'Normal'.
- Brand Image:** A dropdown menu is open, showing options: 'Normal' (selected), 'Corridor mode 90', 'Corridor mode 270', and 'Invert'.
- Enable:** A checkbox is present but not checked.
- PosX:** A text input field with the value '0'.
- PosY:** A text input field with the value '0'.
- Width:** A text input field with the value '200'.
- Height:** A text input field with the value '200'.
- Upload:** A text input field for uploading a file, with a 'Select File' button and a help icon (?) below it.
- Deterrence Message:** A section with four checkboxes: 'Always' (unchecked), 'Face' (unchecked), 'Motion' (unchecked), and 'Alarm Input' (unchecked).

Please note:

1. You can define the logo's position and size on the monitor;
2. Logo picture format is **PNG** and not more than 1MB.

Deterrence Message: You can upload a deterrence message (picture type), so when faces detected, the message will pop-up.



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 Preview
BackUp
Settings

Config Media
 Banner

Network

 Alarm Config

 Record

 System

 Intelligence

 PVM Function

Banner

Enable ☐

 PosX

 PosY

 Width

 Height

 Upload

 Select File ?

Deterrence Message

Always ☐
 Face ☐
 Motion ☐
 Alarm Input ☐

Upload

 Select File ?

 Save

File Format: PNG; File Size: Limit 1MB

Please note:

1. The deterrence picture must be PNG format and not more than 1MB.