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User Manual
PVM10
Public View Monitor
with built-in IP
Camera

Please read this manual carefully before operating the unit and keep it for further reference

Important Safeguards and Warnings

(1). Electrical safety

All installation and operation here should conform to local electrical safety codes.
Use a certified/listed 12VDC 2A Class2 power adapter (not included) or adequate PoE switch.
Improper handling and/or installation could run the risk of fire or electrical shock.

(2). Environment

Do not expose the unit to heavy stress, violent vibration or long-term exposure to water and humidity during transportation, storage, and/or installation.
Do not install near sources of heat. Only install the product in environments inside the specification operating temperature and humidity range.
Do not install the PVM near power lines, radar equipment or other electromagnetic radiation.
Do not block any ventilation openings if any.

(3). Operation and Daily Maintenance

Please shut down the device and then unplug the power cable before you begin any maintenance work.
Always use the dry soft cloth to clean the device. If there is too much dust, use a cloth dampened with a small quantity of neutral detergent. Finally use the dry cloth to clean the device.

Stained with dirt:
Use oil-free soft brush or hair dryer to remove it gently.
Stained with grease or fingerprint.
Use oil-free cotton cloth or paper soaked with alcohol or detergent to wipe from the lens center outward. Change the cloth and wipe several times if it is not clean enough.

Warning

This camera should be installed by qualified personnel only.

All the examination and repair work should be done by qualified personnel.

Any unauthorized changes or modifications could void the warranty.

Statement

This guide is for reference only.

Product, manuals, and specifications may be modified without prior notice. Speco Technologies reserves the right to modify these without notice and without incurring any obligation.

Speco Technologies is not liable for any loss caused by improper operation.

Regulatory Information

FCC conditions:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

• This device may not cause harmful interference.

• This device must accept any interference received, including interference that may cause undesired operation.

FCC compliance:

This equipment has been tested and found to comply with the limits for a digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

CONTENTS

1. Features of the PVM10

PVM10 Features

①. Unobtrusive form factor for retail shelves.

②. Incorporates a high-definition (2MP) camera to view and record area.

③. Has customizable features such as establishment logo, warning/welcome message banner, and audible warning/welcome message.

④. Can also double as an advertisement display to show promotional stills or video.

⑤. Can be powered via PoE or 12VDC 2A.

⑥. Record to NVR via ONVIF from either the RJ45 Connection or built in WiFi.

⑦. Interfaces for alarm in/out and other triggers.

⑧. Built-in speaker.

⑨. Built-in Max 1TB TF/SD Slot for Remote Recording.

⑩. Uses VESA 75mm x 75mm mounting pattern (mount optional)

2. Interfaces of SPECO PVM10

Full Screen IP Video   **Full Screen AD**

16:9 IP Video & AD

External interfaces:

①. POE&RJ45

②. USB Type-C

③. DC Power Input

④. PIR Out

⑤. Alarm In

⑥. Alarm Out

⑦. Motion Out

⑧. Face Out

⑨. NC/COM/NO(Relay)

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3. IP Tool for SPECO PVM10

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

Config Tool
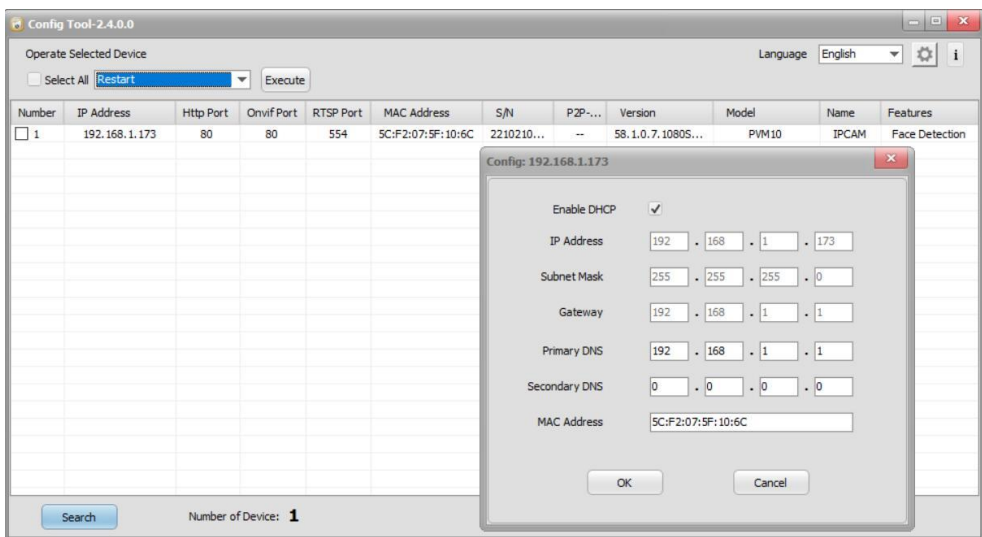
3.2 IPC Default Information
Default address: 192.168.0.66 (DHCP default enabled)
Default username and PW: admin (PW is required to modify when you log in Web at the first time)

Please note:
1. Ensure your PC & PVM are in same network segment, so you can enter into the IPC web without issue;
2. Access via browser by typing in the IP address into your browser's URL field (Chrome, Edge, Safari, Firefox)

4. Built-in NDAA Compliant IP Camera Operation Guiding

4.1 Web Login

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

1. Type in default PW "1234";

2. Enter into PW change page and change your PW (PW is forced to change to ensure safety).
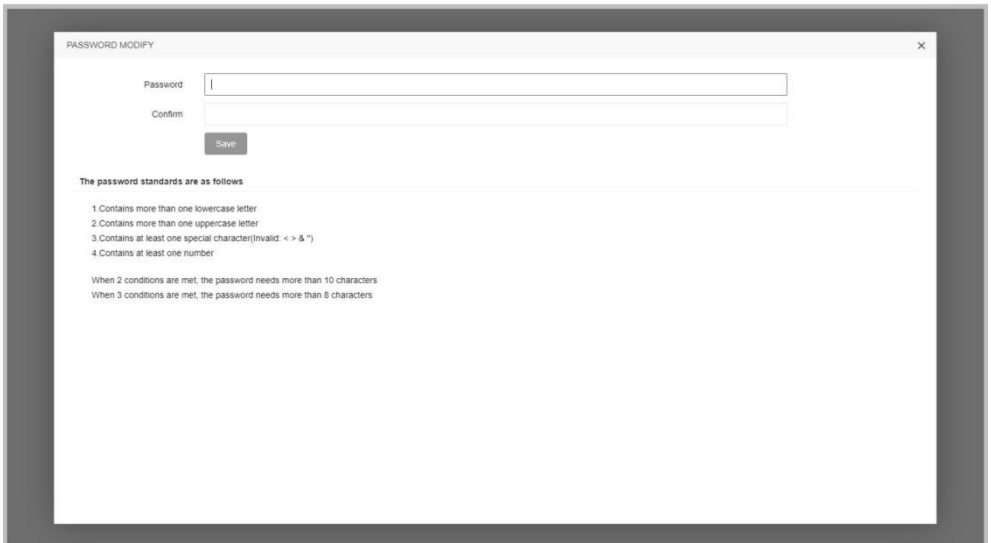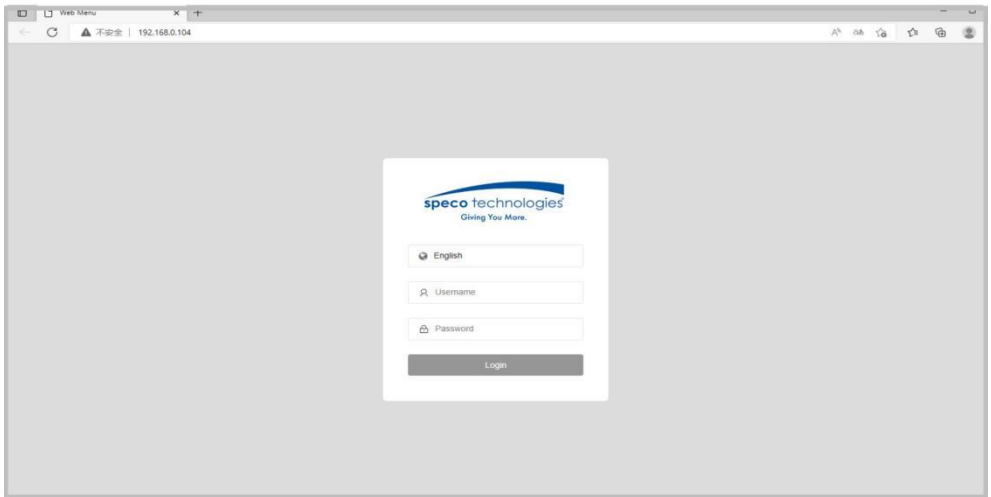
4.2 Preview Page (Main Stream)
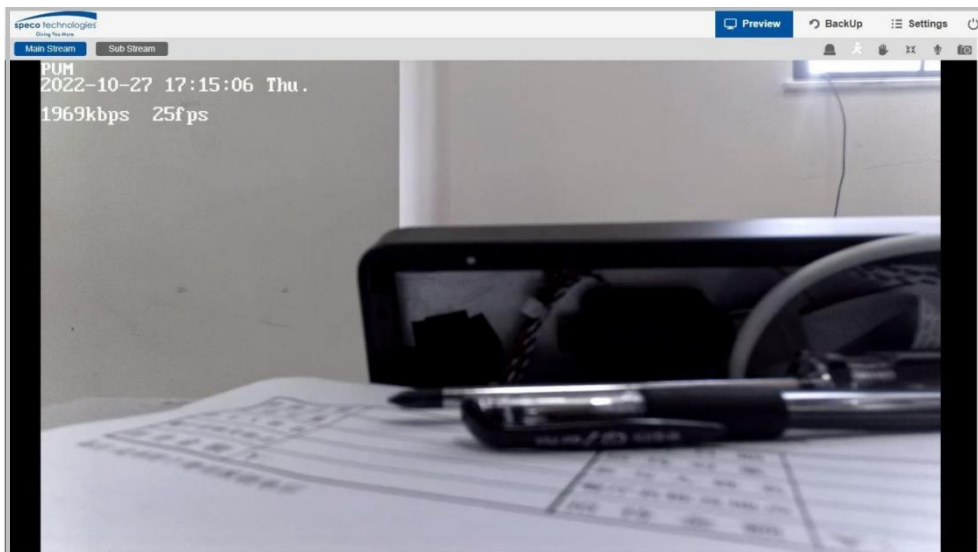
4.3 Backup
Record Files: Alarm/Timed/Manual/Face Detection
Download Format: IVD/MP4/JPG

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4.4 Settings
Including: Config Media/Network/Alarm Config/Record/System/Intelligence/PVM Function
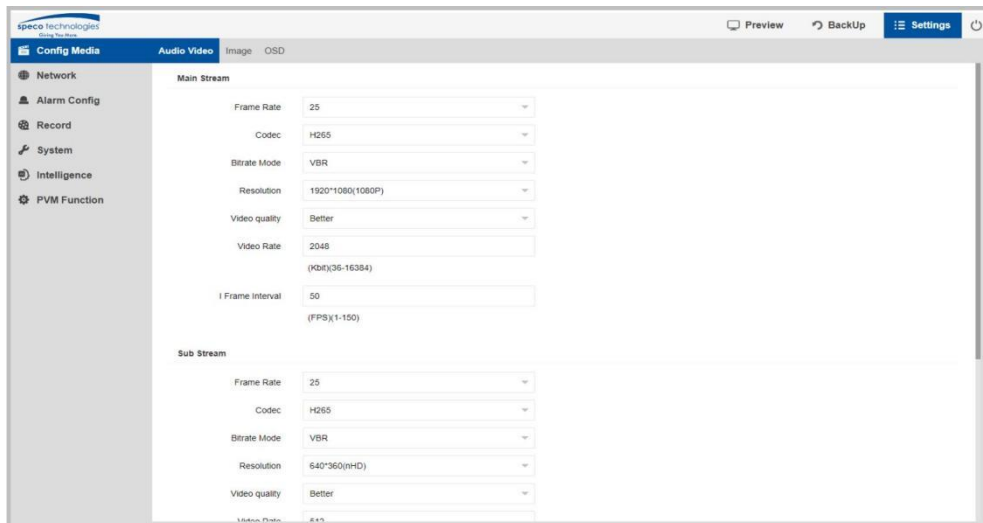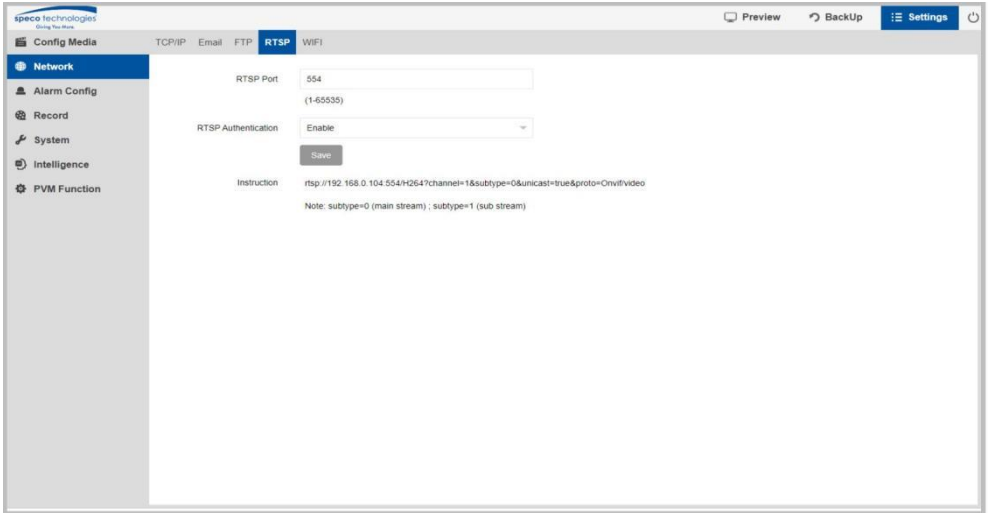
4.4.1 Config Media
Please note:
1. Audio Codec: Support G711U/G711A (This is for PVM Audio)
2. Output level: 0-9 levels (This is for PVM Audio Volume Adjustment)

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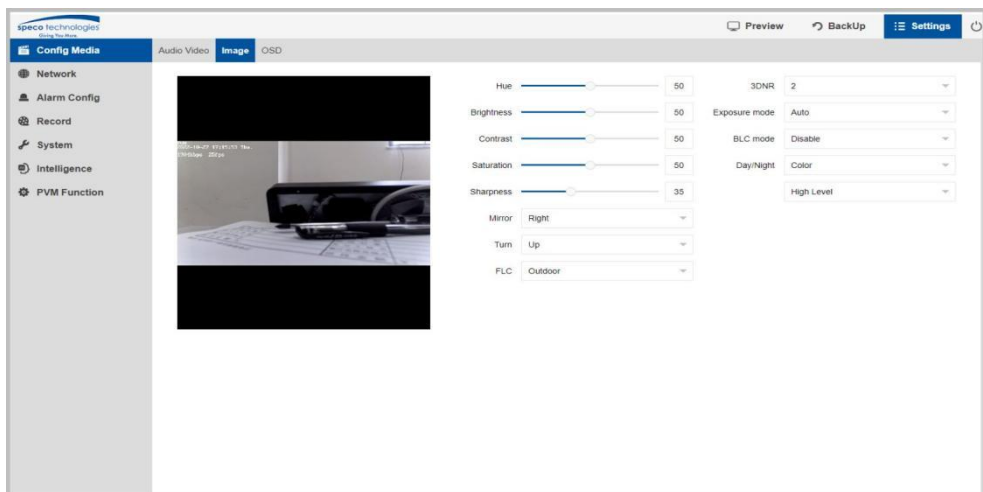
4.4.2 Network
Including: TCP/IP, Email, FTP, UPNP, RTSP and WIFI.

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)
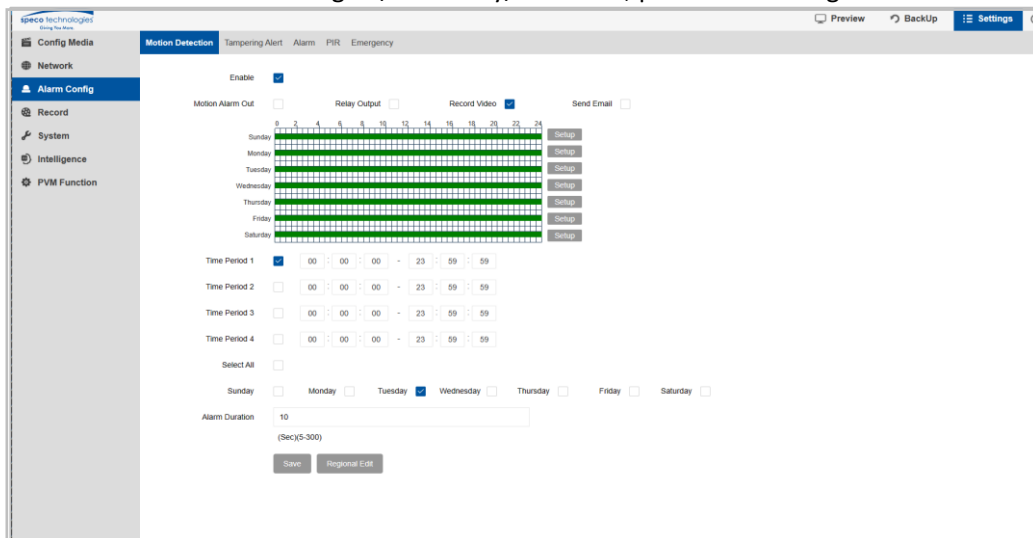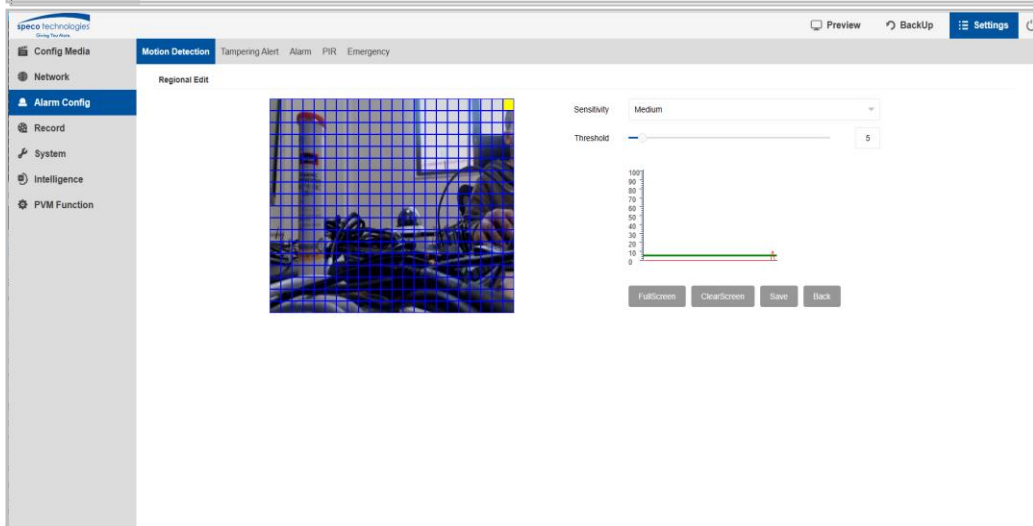
4.4.3 Alarm Config
Including: Motion Detection/Tampering Alert/Alarm/PIR
Please note:
1. Motion detection is defaulted to "Enable" as well as "Record Video";
2. PIR is default "Enable" and alarm time is 10s setting.
3. To set motion detection region/sensitivity/threshold, please enter "Regional Edit".
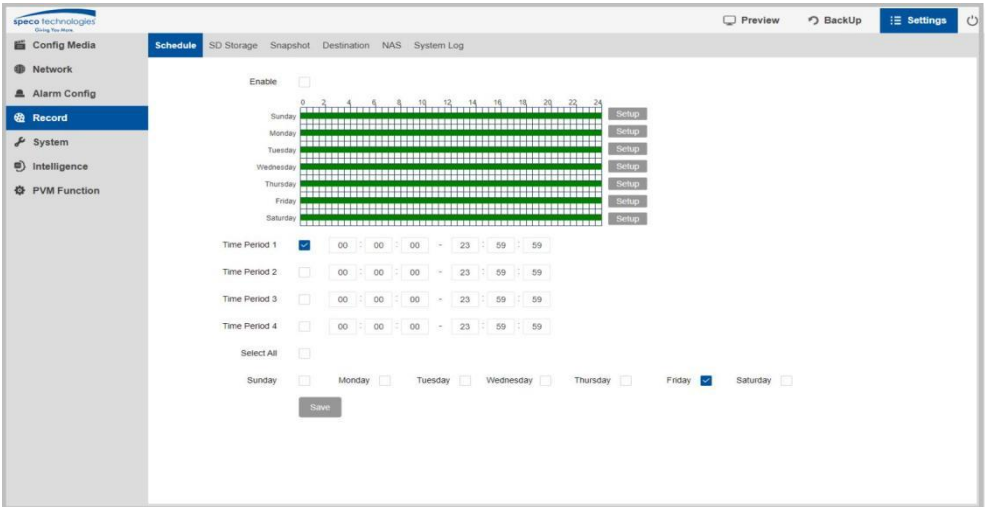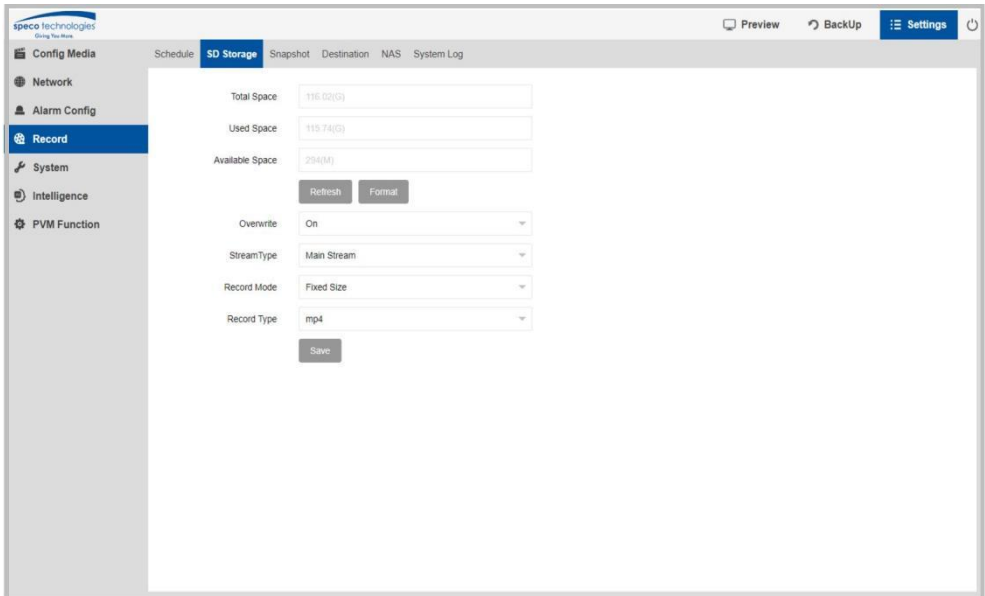
4.4.4 Record
Including: Schedule/SD Storage/Snapshot/Destination/NAS//System Log
Please note:
1. Ensure your PVM is powered off before you insert TF/SD card for remote recording;
2. After power up, please format your TF/SD card;
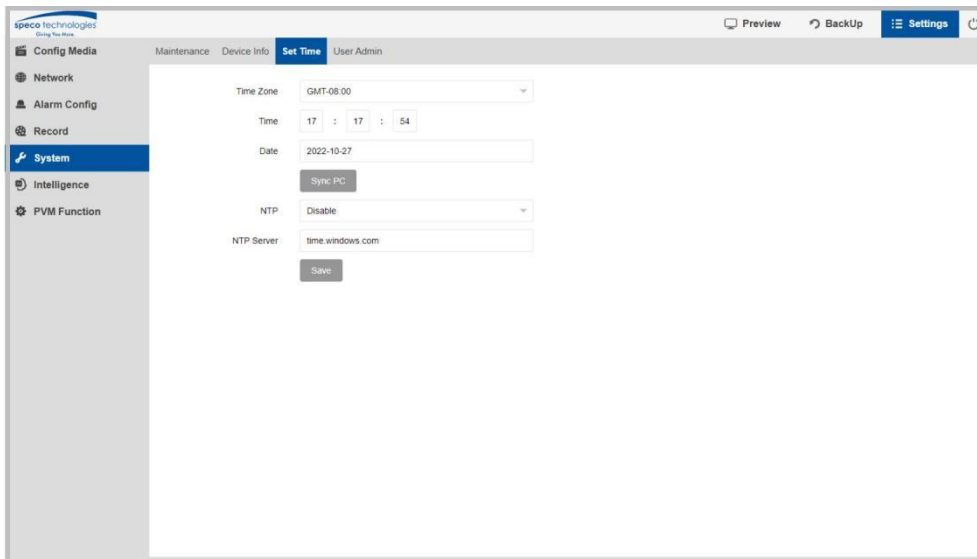
4.4.5 System
Including: Maintenance/Device Info/Set Time/User Admin
Please note:
1. You can perform a factory default for your PVM on this page, after default, please use our IP tool to search and find out new IP address and login;
2. You can also perform firmware upgrades on this Web page too;

4.4.6 Intelligence

The PVM10 can detect faces. This feature is can be an alternative to using motion or PIR triggers to reduce message fatigue.

Please note:

1. The PVM10 has an alarm out interface for faces, so when face alarm output is needed in application, you can enable "Alarm output";

2. If you want to use face detection to reduce "deterrence message" false pop-up, you can also set face sizes and clarity.
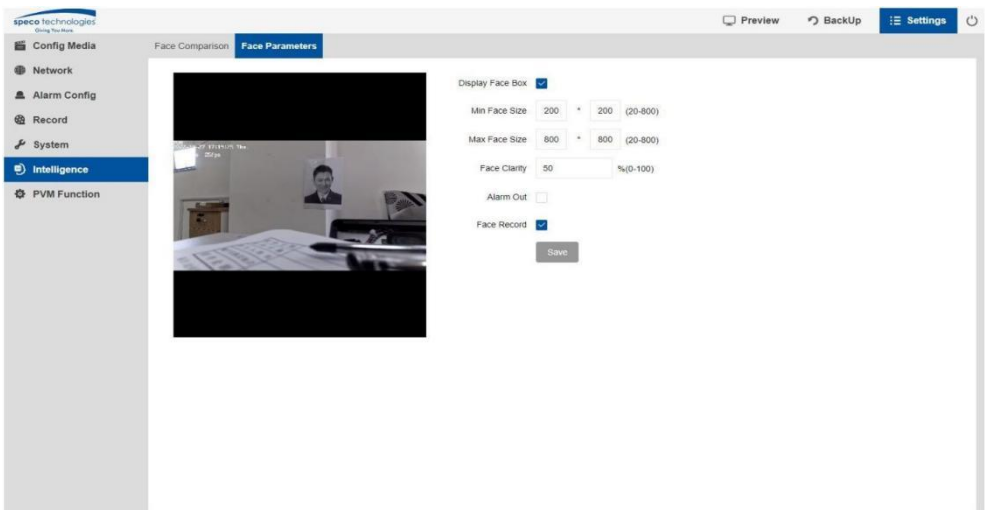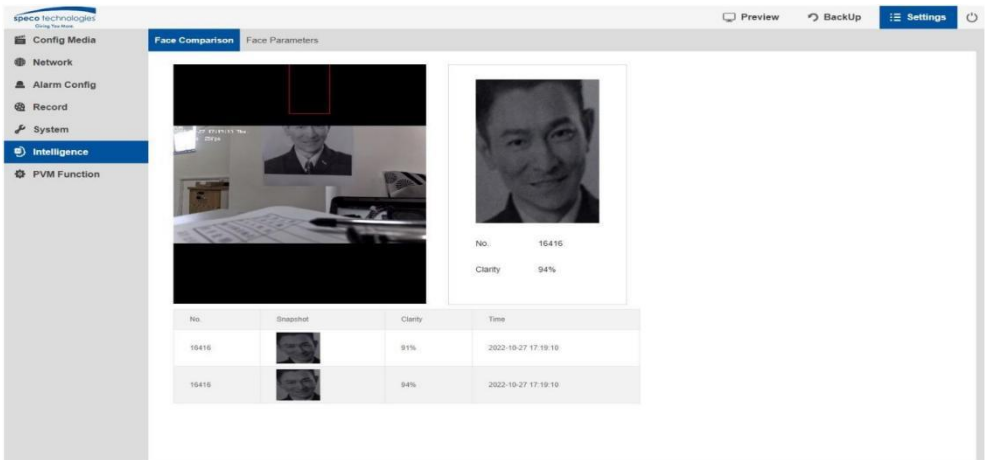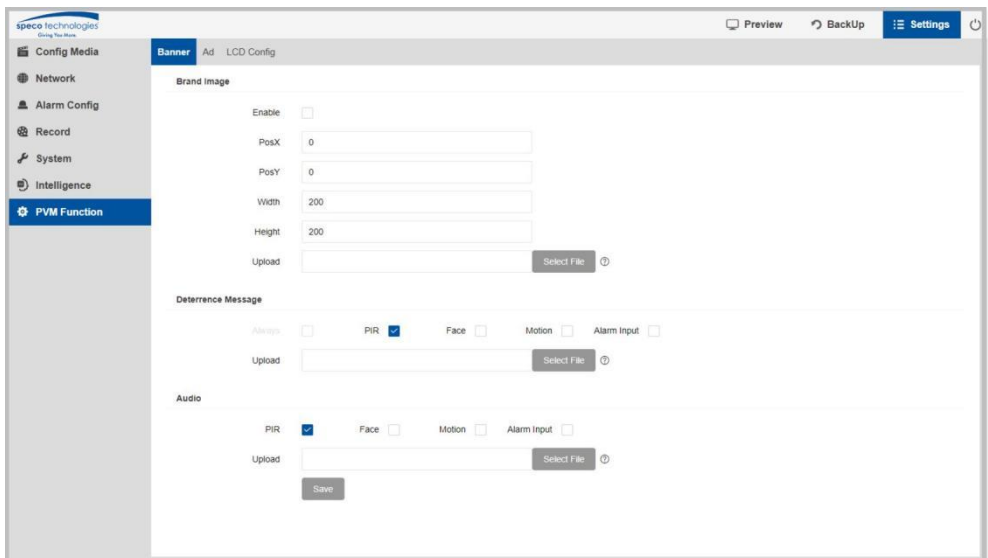
4.4.7 PVM Functions

Including: Banner/Ad/LCD Config. This category is highly related with Smart AD function.

Banner:

Including Brand Image/Deterrence Message/Audio 3 functions.

Please note:

1. You can upload your logo and show on PVM;
2. You can define the logo's

position and size on the PVM;

3. Logo picture format is **PNG**;
4. Deterrence Message can be triggered by

PIR/Face/Motion/Alarm Input; 5. Deterrence

Message(picture) format is **PNG**;

6. Audio volume can be set via "Config Media—Audio Video—Output Level";
7. Brand Image is default "Disable", but Alert Sign is default "Enable" and triggered by PIR.

Ad Function:
Including Screen Mode and Play List 2 functions.

Screen Mode: Full Screen/Banner

Full Screen: Full Screen IP video or Full Screen AD; If you choose Full Screen, but do not upload AD files in this page, then the PVM will show full screen no-latency IP video;

If you upload AD files in this page, then PVM will show full screen AD.

Banner: 9:16 IP video & AD (Remaining Area)

Now, the default is left side IP video, right side AD play.

Please note:
1. The Multimedia Format Supports:

|	
Image: JPG/PNG/BMP/GIF	**Video:** MP4/MKV/MOV;
Video Code: H.264/265	**Audio Code:** aac/ac3/pcm

2. The "Play List" also decides the playing sequence; So, before you upload AD files, please firstly confirm the playing sequence and then click "Upload Advert" at one shot;

3. When you browse the AD (picture) , you can set its playing time, default 5s.

4. 9:16 IP video does not mean the real video aspect ratio is 9:16; In fact, to ensure the IP video normal for visitors to watch, we adopt "Video Digital Pan" technology, the IP video on the PVM will cruise like PTZ camera, so visitors will feel a complete 16:9 landscape standard cctv IP video.
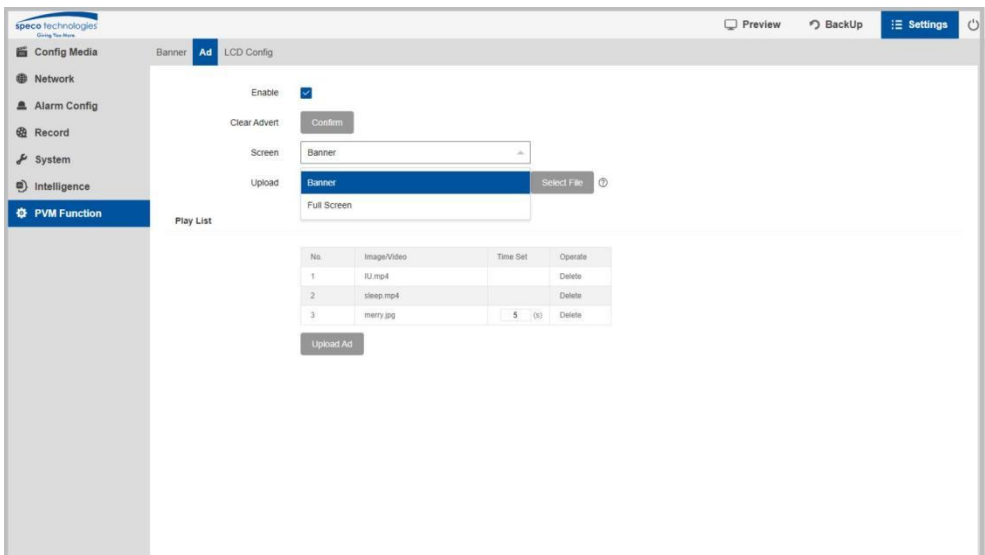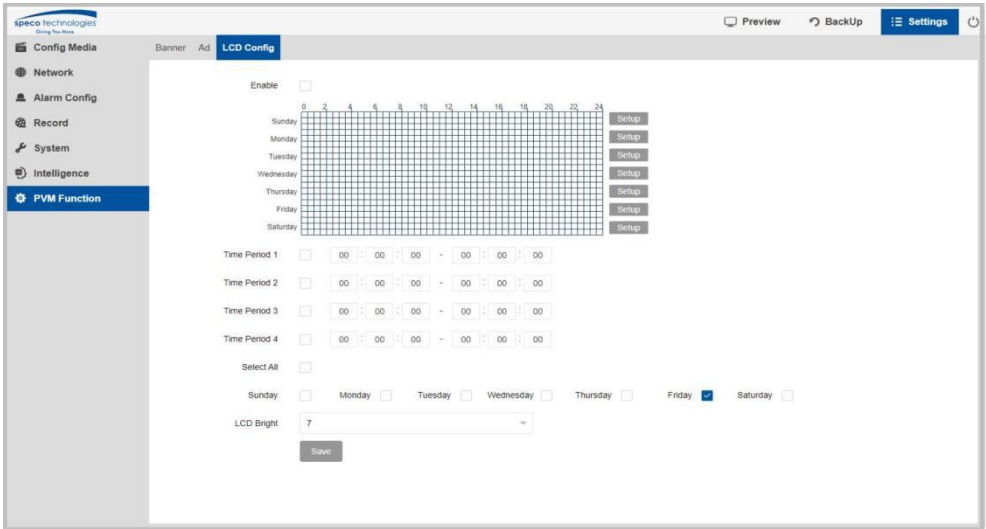
LCD Config:
Including LCD Time Switch Schedule and LCD Brightness 2 functions.
Please note:
1. LCD Bright's default value is 7, Max is 9; When you set to 0, PVM screen is black.
2. Time Switch Schedule means you can set when PVM sleep & wake, when PVM enter into sleep mode, the built-in IP camera will still work for cctv monitoring.

Models: PVM10

Federal Communications Commission (FCC) Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Responsible Party:
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