Panasonic®

Installation and Operating Instruction

Media Server

Thank you for purchasing this Panasonic product.
Please read this manual carefully before using this product and save this manual for future use.

Document Description

This document describes in detail the installation of Media Server, basic data configuration and other features. During the construction process of Panasonic intercom system, the user can follow the relevant instructions in this document to complete the construction and configuration of related products.

This document is mainly aimed at engineering installation personnel, system configuration and joint debugging personnel, after-sales maintenance personnel and actual system management personnel. In the process of client management software construction, relevant personnel should read this manual carefully first and then carry out actual equipment configuration. At the same time, system managers and after-sales maintenance personnel also need to read this manual, to solve the problems encountered in practical work and ensure the stable operation of the system.

Version Update List

Version	Date & Time	Description
V1.0	27-JUL-2022	Published the first version.
V1.1	10-MAR-2025	Minor Correction

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Section 1

Product Overview

The「Media Server」mainly realizes the function of sending videos from the community public IP Camera to the user APP. When a user wants to view footage from a specific IP camera within the community, the app sends a request to the media server. The server then retrieves the video stream from the corresponding IP camera and delivers it back to the app in real time.

To enable this functionality, the community must install a media server, connect it to the Internet, and add multiple IP cameras capable of providing live video. This setup allows users to monitor public IP camera footage within the community directly through the app.

Section 2

Preparation Before Use

In this section, the document shows the preparations before using the「Media Server」software.

2.1 Media Server Installation

This chapter mainly introduces the installation of the software. The installation contents include streaming media service software, Microsoft VC++2010 redistributable tools, Microsoft VC++2013 redistributable tools, Microsoft .NET framework tools and MySQL tools. After the installation, the video streaming service will be added to the system service and run automatically.

Warning:
If the computer has already installed this software and needs to be reinstalled for some reason, it is necessary to backup data before installation. Go to the "IPC Settings" function, use the "Export CSV" function to export the current data to a file, and then import the file again after installation.

The steps of media server installation are as follows:

1. Prepare a computer with Windows 7/10 or later installed, which requires the following configuration. "D" Partition is mandatory for the installation

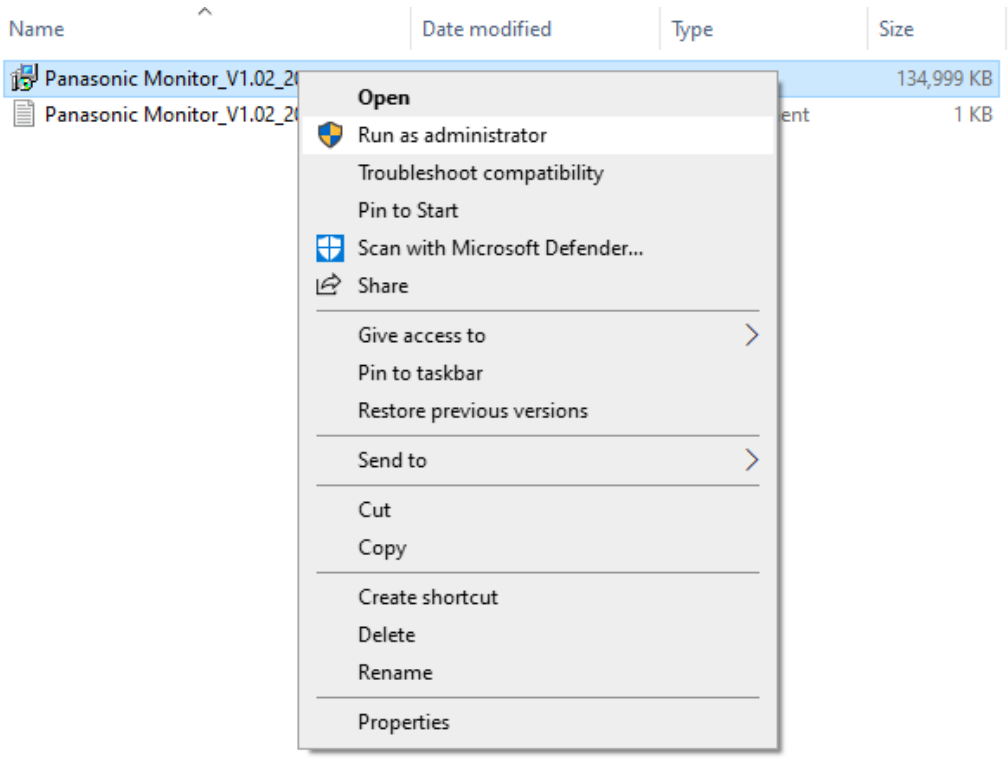
CPU	RAM	Disk C	Disk D	NET Card
Dual core	8GB	Free 50MB	Free 1.5GB	≥100Mbps

Note: Each computer supports 100 IP cameras entry.

2. Turn off the virus protection software in advance to prevent the virus protection software from deleting the installed program as a virus. After the installation, it is necessary to configure virus protection software and set the related software of this program as trusted software to ensure the normal operation of the system.

3. Configure the bandwidth of streaming video server to upload to the Internet. Since the streaming media server needs to upload videos to the Internet, it is necessary to judge how many videos of different IP Cameras may be uploaded at the same time(if multiple apps monitor videos of the same IP camera, the video server will only send one video to the Internet). Under normal circumstances, it takes 1M bps bandwidth to upload a video to the Internet, so it is necessary to configure the bandwidth of streaming video server to upload to the Internet according to this data.

4. Copy the installation software "**Panasonic Monitor**" to your computer and click the right mouse button to install it as an administrator.



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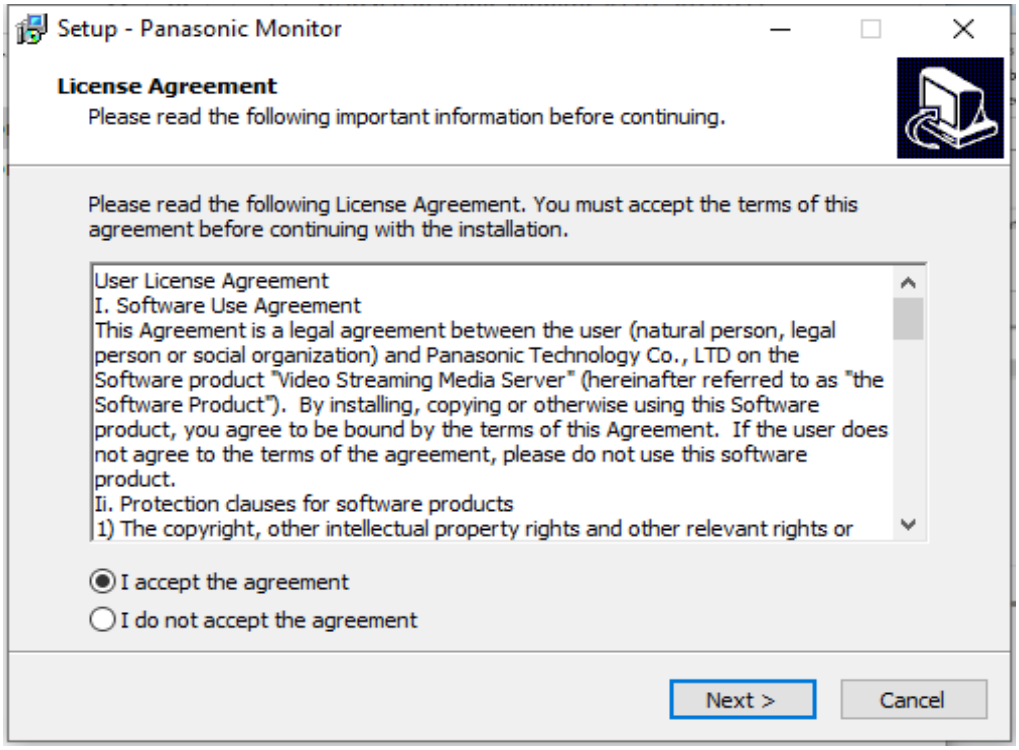
5. Install the software according to the steps of installing the software.



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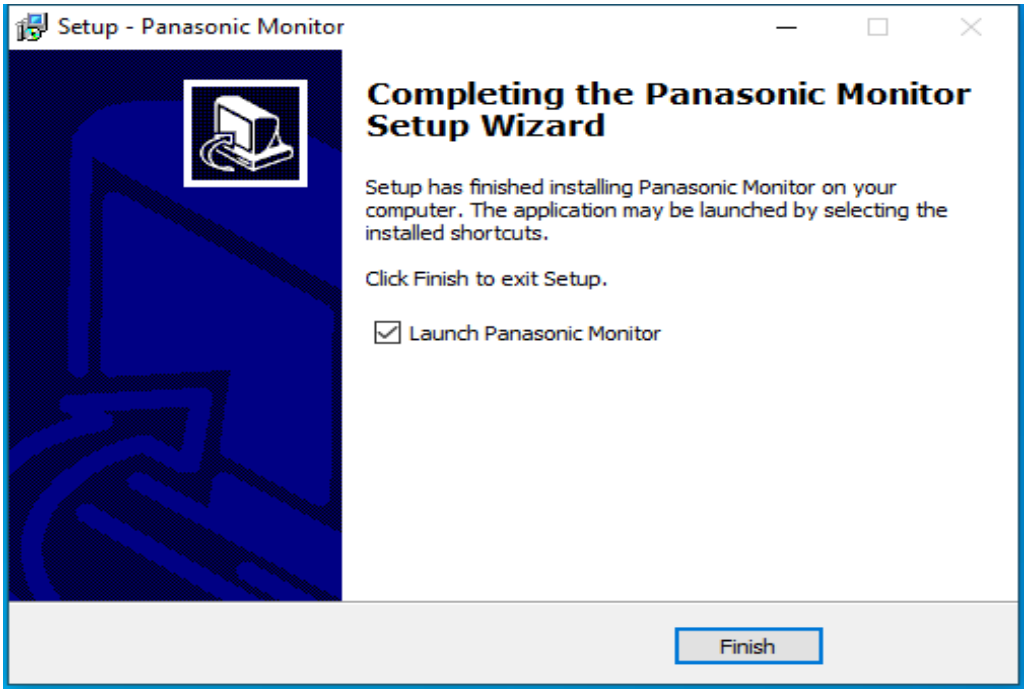
6. When the installation is finished, check "**Launch Panasonic Monitor**" and click [**Finish**] button.



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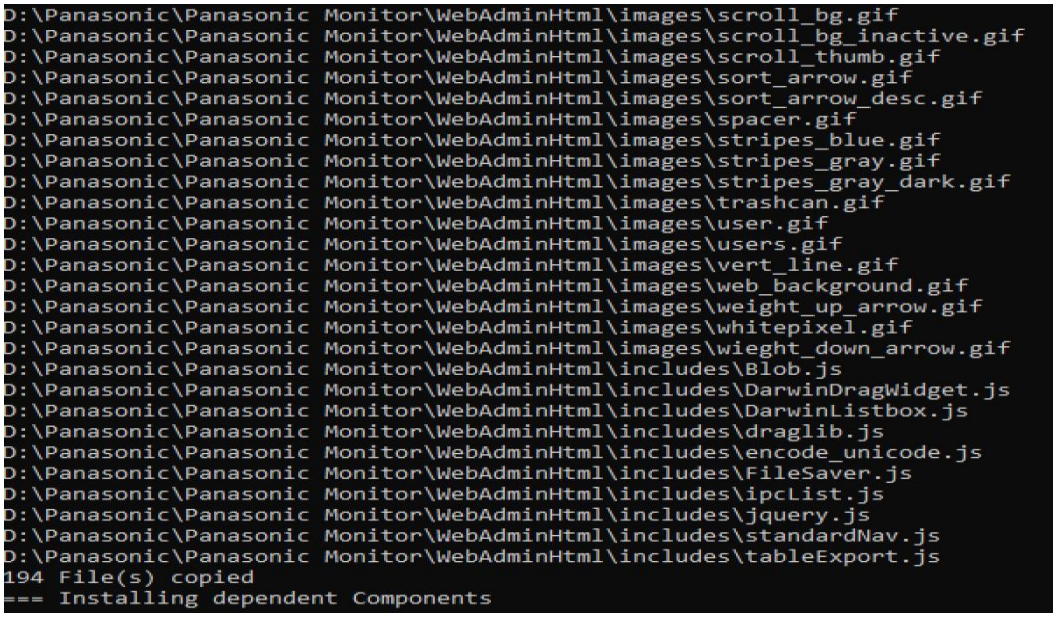
7. The command prompt window will be launched and the configuration will begin.



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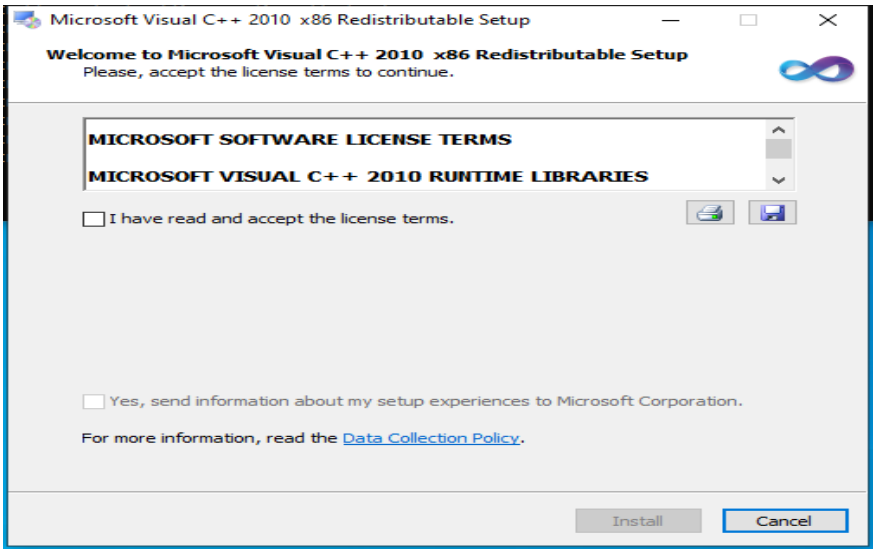
8. In this process, Microsoft VC++2010 redistributable tools, Microsoft VC++2013 redistributable tools, Microsoft .NET framework tools and MySQL tools will be installed. Follow the installation instructions and install them in turn. If you encounter a dependency that cannot

be installed or has been installed in the process, you can install it by using Repair.

Note: When installing MySql, you need to choose Typical mode for installation.



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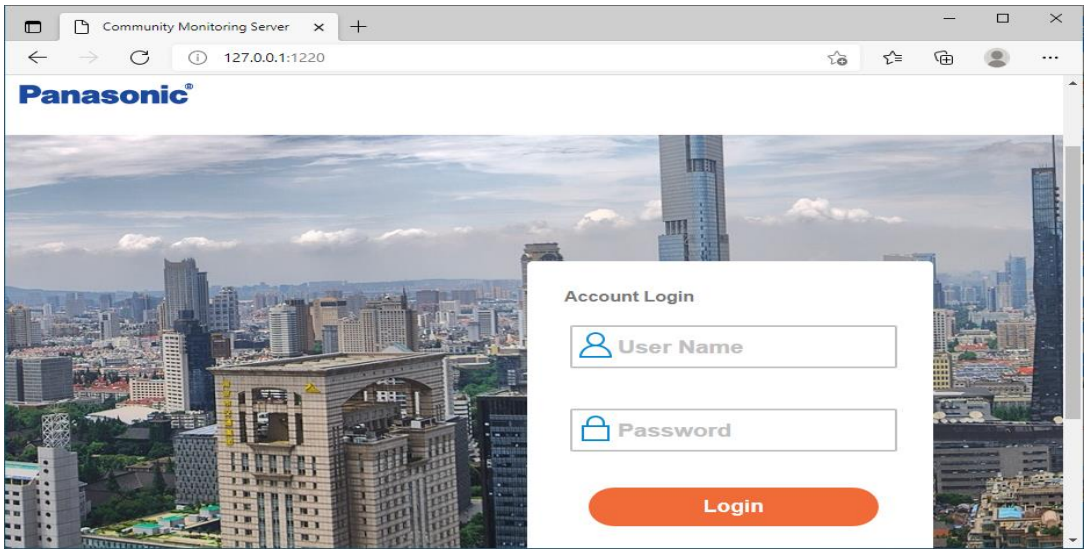
9. After the installation is completed, the system will start related services and close the Command Prompt window to complete the installation.

10. After the installation, you need to configure the firewall to allow the system to communicate with the LAN and the Internet, to ensure the normal operation of the system.

11. Start the browser (such as Chrome, Edge) and enter the address "*http://127.0.0.1:1220*". At this time, the login interface of media server will be displayed. Enter the user name ("admin" by default) and password ("admin" by default) to log in successfully, which means the installation is successful.



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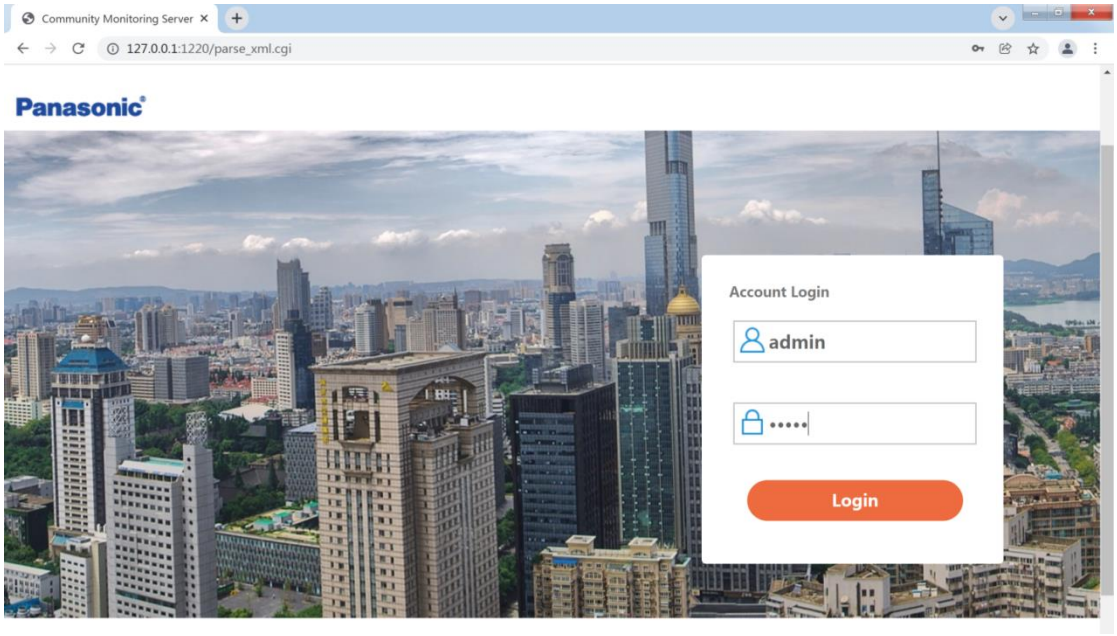
Section 3

Basic Data Configuration

After installing the「Media Server」, it is essential to configure antivirus and firewall settings in advance to ensure the program runs smoothly. The software allows users to view the current running status, configure IP cameras, check active connection information, set log storage space, view log details, change the login password, restart the service, and log out of the system.

3.1 Login

Users can use the browser (Chrome, Edge, Safari) after installing the video server, and enter *http://IPAddress:1220* (where IP Address is the IP Address of the computer where the streaming media server software is installed) in the address bar to display the Login interface. Enter the username and password in the login interface (the default username and password are admin/admin) and click the [**login**] button to log in to the media server.



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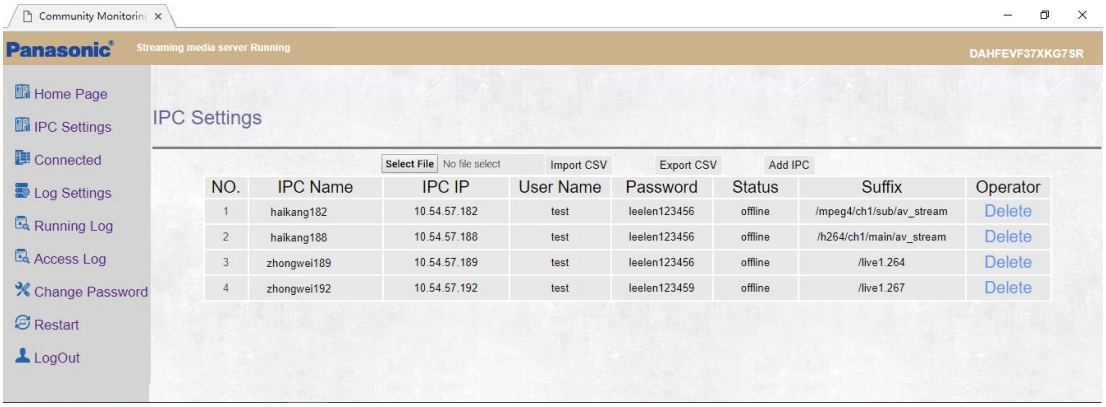
3.2 Set IP Camera Information

On the Web settings interface, users can click IPC Settings to enter the IPC settings interface.



P3-2

In the IPC setting interface, users can click the [**Add IPC**] button to add a new IP Camera. Users can use the [**Export CSV**] button to export the currently defined IP Camera data to a CSV file and save it, so as to complete the data backup. The user can use the [**Import CSV**] button to import the previously exported CSV file into the system, so as to restore the data. CSV files can be opened and edited using Excel tools. If it is edited, it still needs to be saved in CSV format before it can be imported into this system.

Click the [**Add IPC**] button, and the interface is as follows:

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Enter IPC Name,IP address, User Name and Password required to request RTSP video, and suffix information of RTSP video stream address in this interface.

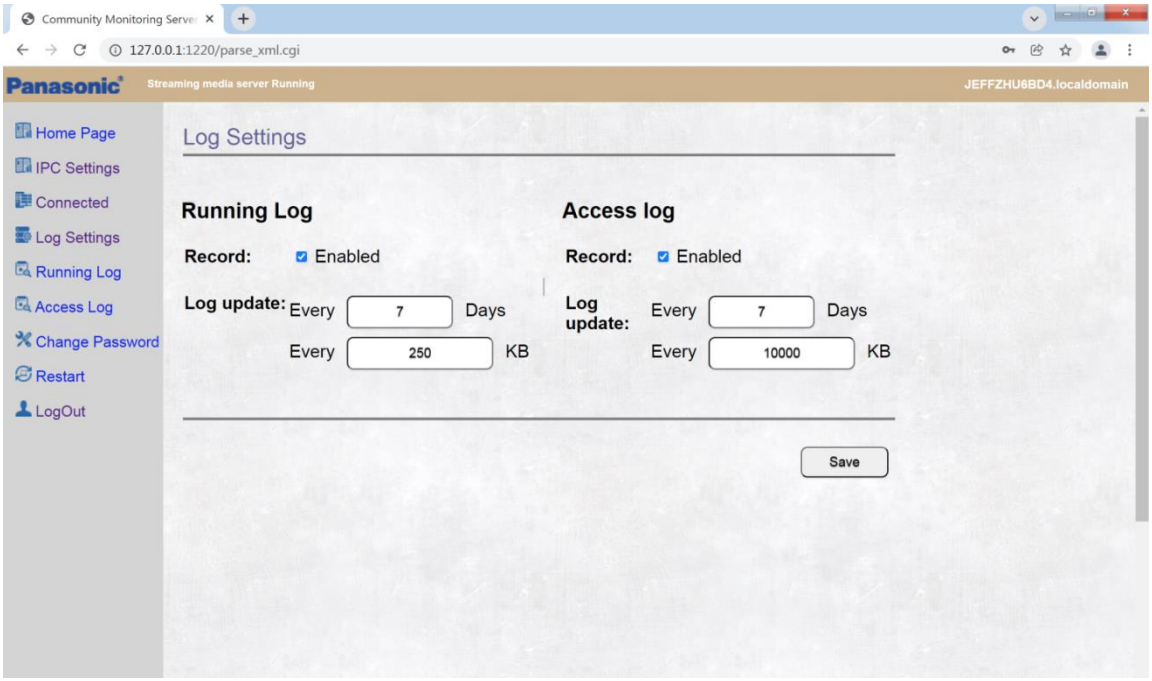
The IPC added in this system must be configured as H264 with 720p or VGA format. Then, record the complete RTSP address of this code stream (this data can be obtained by consulting the relevant technical data of IP Camera).
For example, the RTSP address of a certain stream of IP Camera is

rtsp://admin:12345@192.0.0.64:554/h264/ch1/sub/av_stream

Then "admin" is the user name, "12345" is the password, and "/h264/ch1/sub/av_stream" is the Suffix of the RTSP address.

3.3 Log Settings

If a problem occurs, the user can send the log data to system maintenance personnel for troubleshooting. Therefore, it is recommended to set up log data storage in advance to ensure that relevant logs are available when needed.



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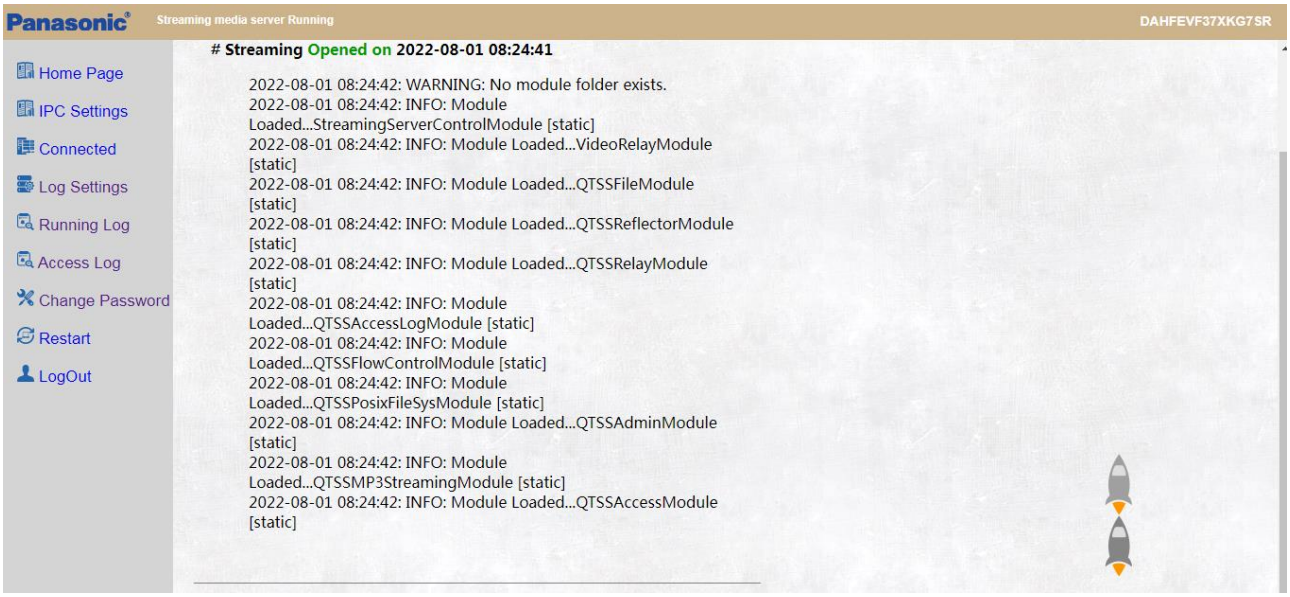
Users can set both the running log and access log settings. They can choose whether to enable log storage, specify the number of days logs should be retained, and define the maximum storage space allocated for log data.

3.4 Running Log

You can view the running log in this interface.



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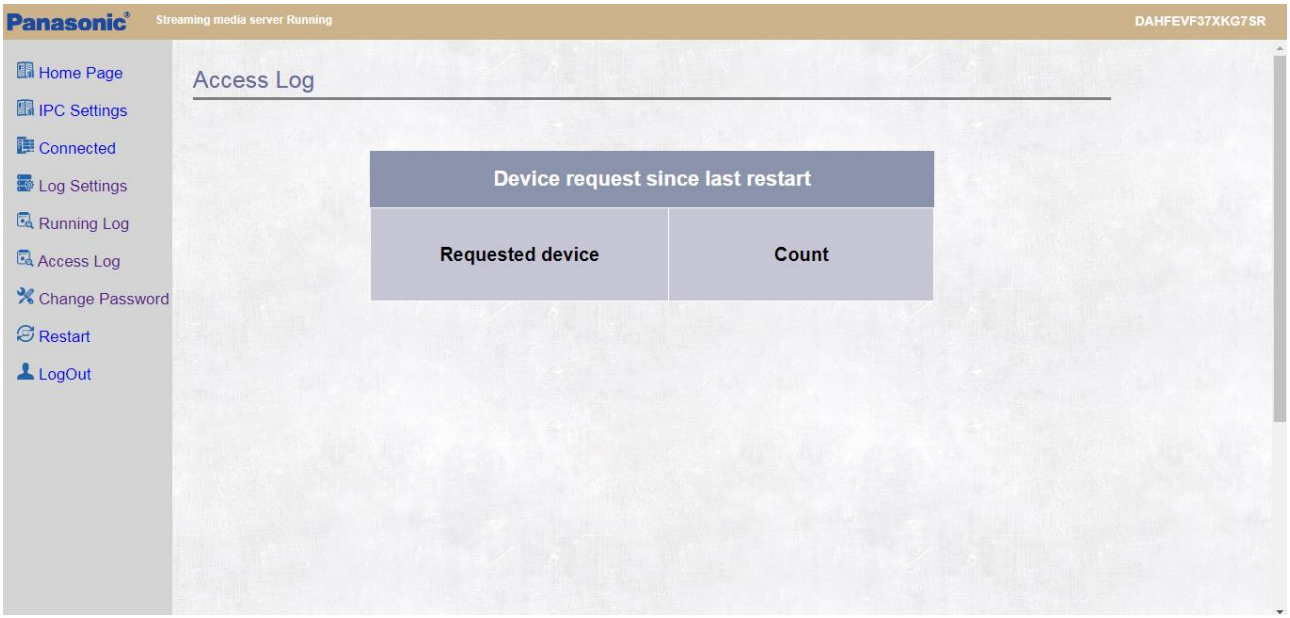
3.5 Access log

You can view the access lag in this interface.



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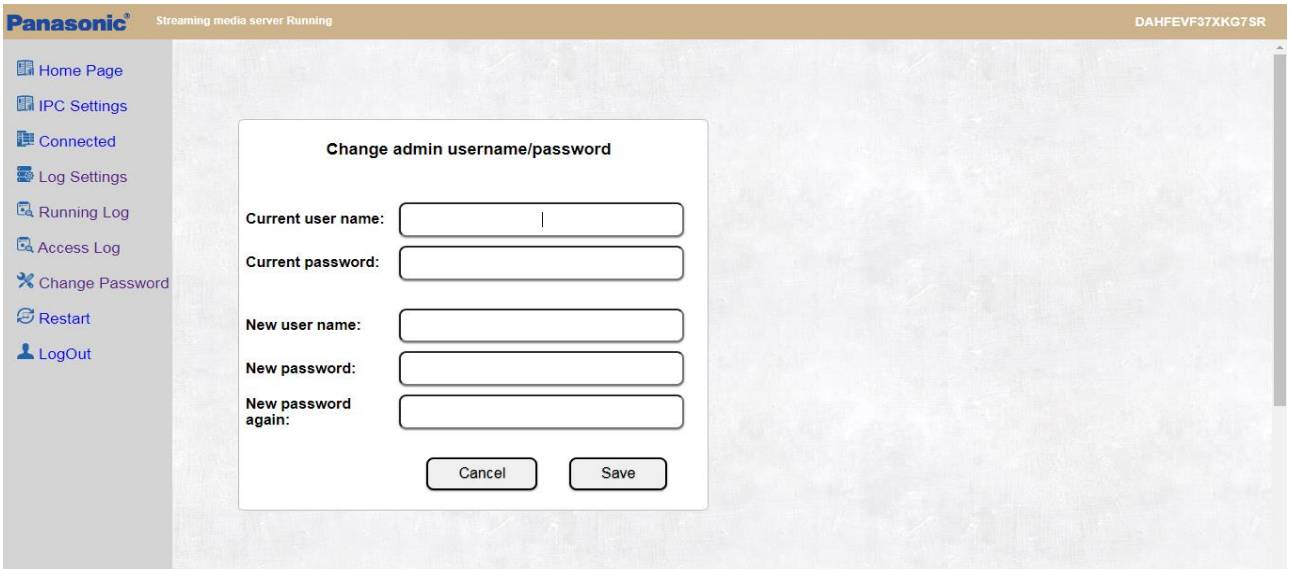
3.6 Change Password

In this interface, you can change the username and password of your account by using your current username and password. After entering the info, click [**Save**] to save the new username and password.



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3.7 Restart the Service

You can click [**Restart**] to restart the service.

3.8 Others

After completing the configuration, the user should add the media server as a device in the Local Management Software. For more information, please check the "Local eSafe Smart Community Client ".