

# EasyIPSetupToolPlus Operation Manual

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## Introduction

The EasyIPSetupToolPlus is an application software that runs on a Windows PC.

By running this software on a PC connected to a Panasonic camera, it is possible to detect the camera or change the setting information.

## Main Functions

The main functions of this software are as described below:

### 1. Detecting a Panasonic camera and displaying the camera information

By running this software on a PC connected to a Panasonic camera, it is possible to detect the camera. It is also possible to display camera information such as the Mac Address, Ipv4 Address, and the like.

### 2. Identify

The power indicator light of the specified camera can be lit at a high speed.

### 3. Network Settings

The network setting information of the specified camera can be changed.

### 4. Web GUI

The display can be switched to the Web screen of the specified camera.

### 5. Auto IP

The specified cameras can be assigned with consecutive IP Addresses.

### 6. Administrator Registration

An administrator account can be registered to the specified camera.

## 7.Firmware Update

The firmware version of the connected camera can be upgraded.

## 8.Activation

This function allows you to activate various types of licenses.

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# Operating environment

The following environment is required for using this software:

\*Please check the EasyIPSetupToolPlus product page on the following website for the latest supported models.

<https://pro-av.panasonic.net/en/>

- Client PC

Windows10 64bit

Windows11 64bit

- Panasonic PTZ camera

AW-UE160

AW-HE20/UE20

AW-UE40/UE50/UE80

AW-UE100

AW-UE150/UE155/UN145/HE145

AW-UE70/UE65/UE63

AW-UN70

AW-HE130/HN130

AW-HE75/HE42/HE68

AW-HE70/HE40/HE35/HE38/HE65/HE48/HE58/HN40/HN38/HN65/HN70

AW-HR140

AW-UE4

●Panasonic studio camera

AK-PLV100

AK-HC3900

AK-HCU250

AK-NP600

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## About the descriptions in this file

- The illustrations and screen displays in this file may differ from the actual ones.
- In this file, a personal computer is referred to as a “PC”.

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# Starting the Application

You can start the application by first unzipping the zipped folder and then clicking on the “EasyIPSetupToolPlus” shortcut.

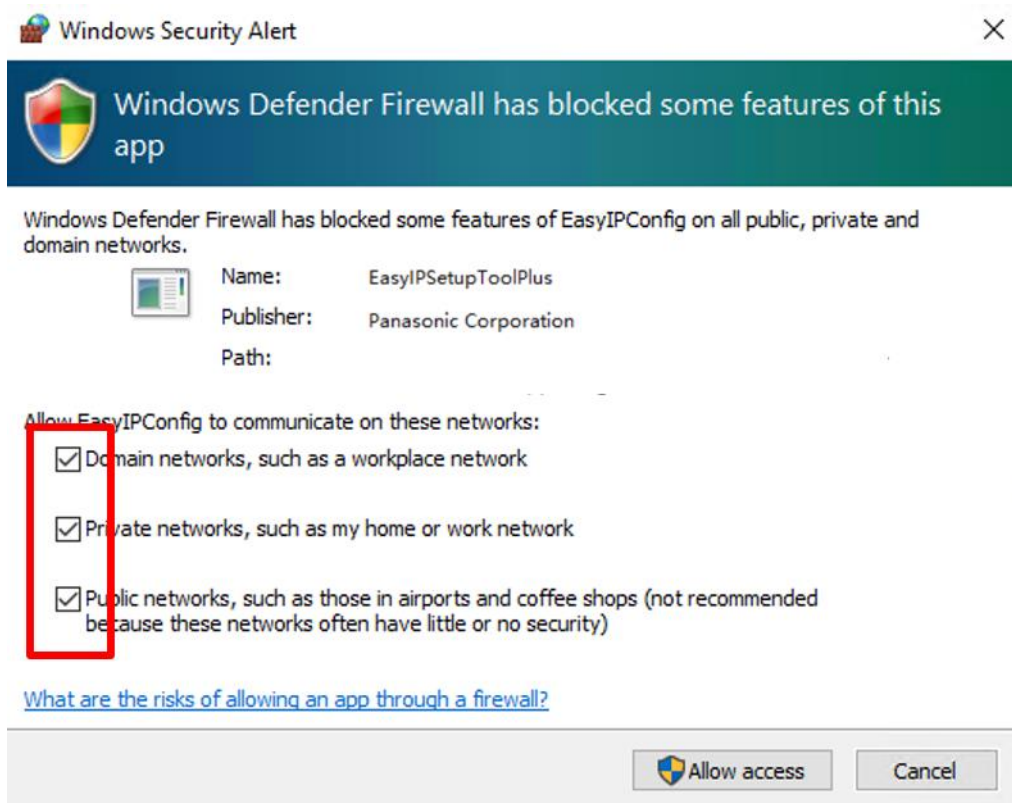


名前	更新日時	種類	サイズ
css	2020/07/28 14:28	ファイル フォルダー	
help	2020/07/28 14:29	ファイル フォルダー	
js	2020/07/28 14:29	ファイル フォルダー	
locales	2020/07/28 14:29	ファイル フォルダー	
server	2020/07/28 14:29	ファイル フォルダ	
EasyIPSetupToolPlus.exe	2020/07/28 13:14	アプリケーション	59,626 KB
icudt1.dat	2020/07/28 13:14	ICU ファイル	10,213 KB
index.html	2020/07/28 13:14	Chrome HTML Docu...	14 KB
nw.pak	2020/07/28 13:14	PAK ファイル	7,308 KB
package.json	2020/07/28 13:14	JSON ソース ファイル	1 KB

\* If the firewall setting screen is displayed after launching the app,  
Please take the following actions.

If it is not displayed, no action is required.

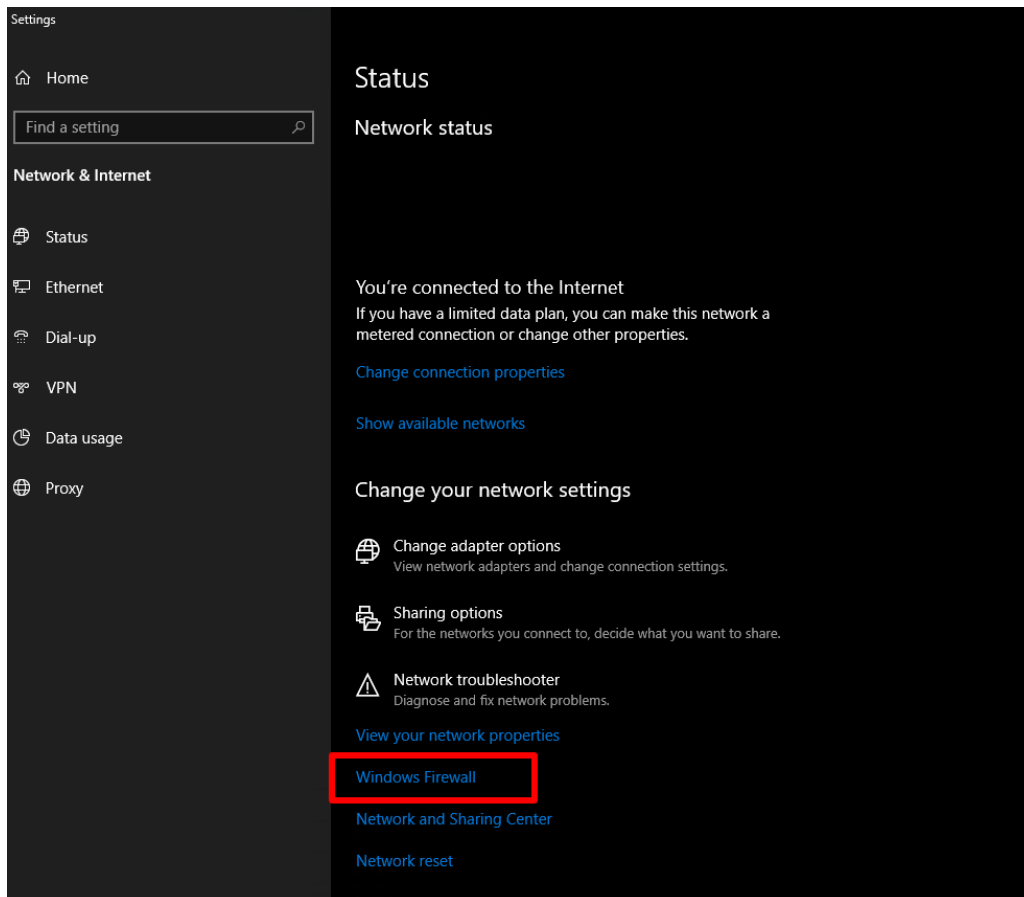
After launching the application, the following screen related to the firewall will be displayed.  
Check the network to which the camera is connected.



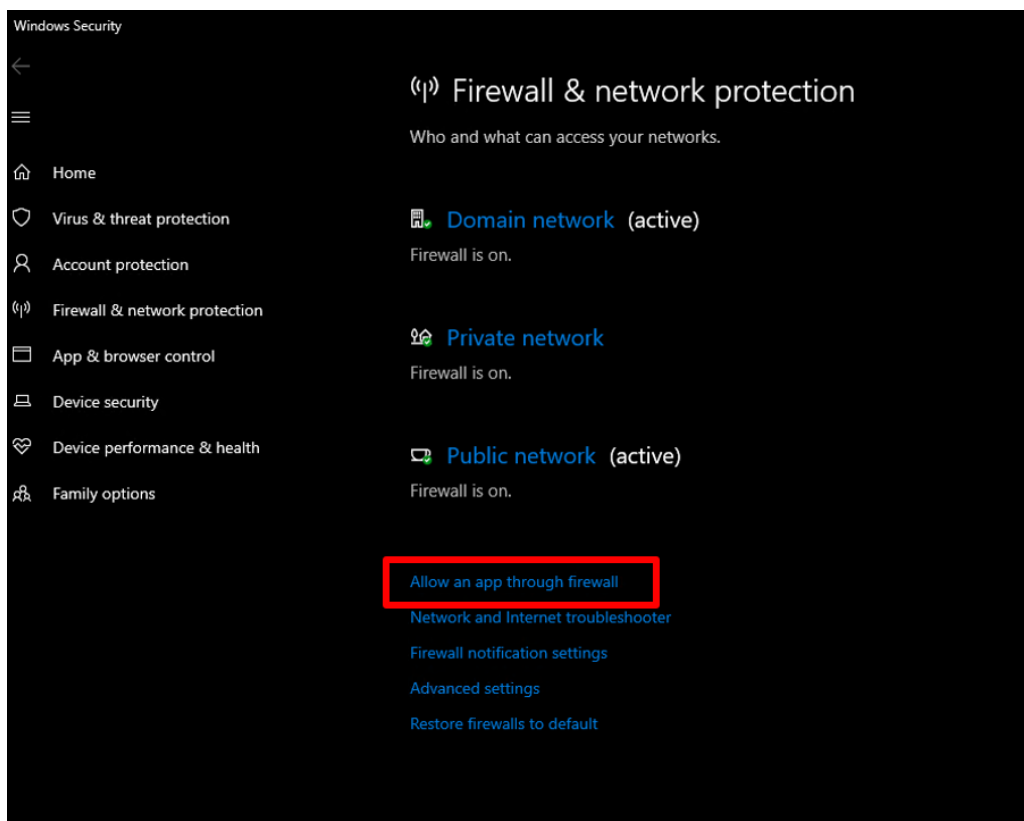
\*If you forget the above check operation for the network to which the camera is connected,  
The camera may not be detected properly.

In that case, follow the steps below to set the firewall again.

1. Open Windows Settings → Network and Internet → Windows Firewall.

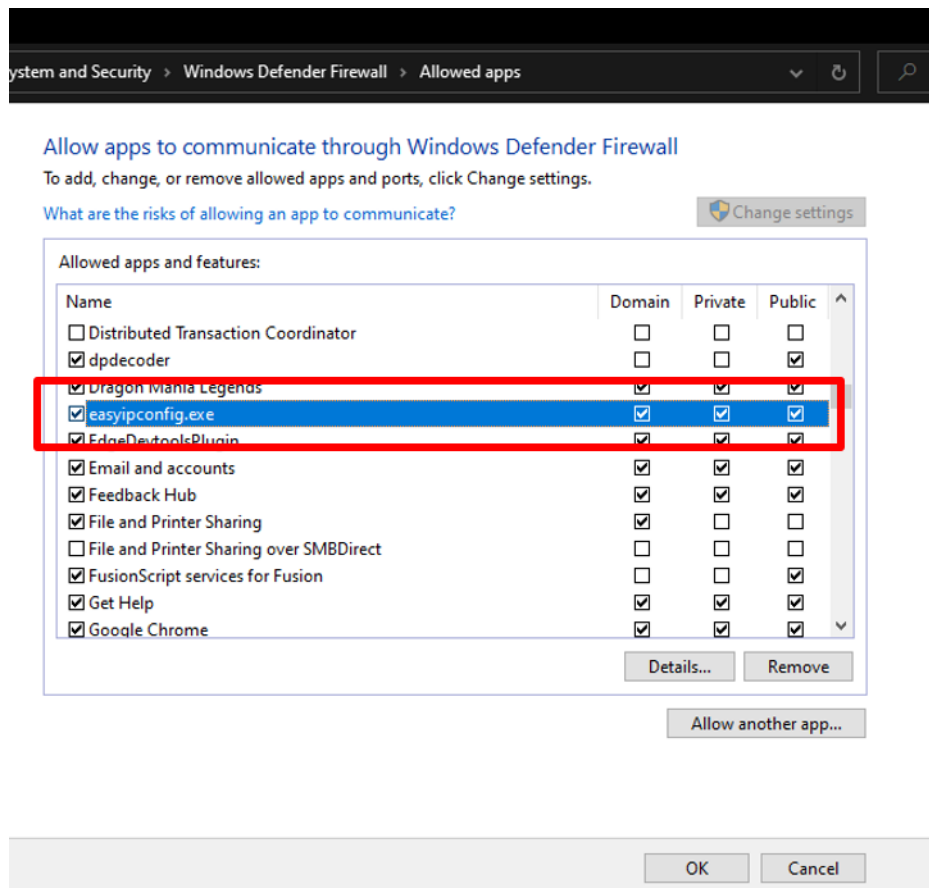


2. Open the application permission through the firewall.



3. For easyipconfig.exe in the list of allowed applications, check the network to which the camera is connected. Then press the OK button.

\*If there are multiple easyipconfig.exe, check all.



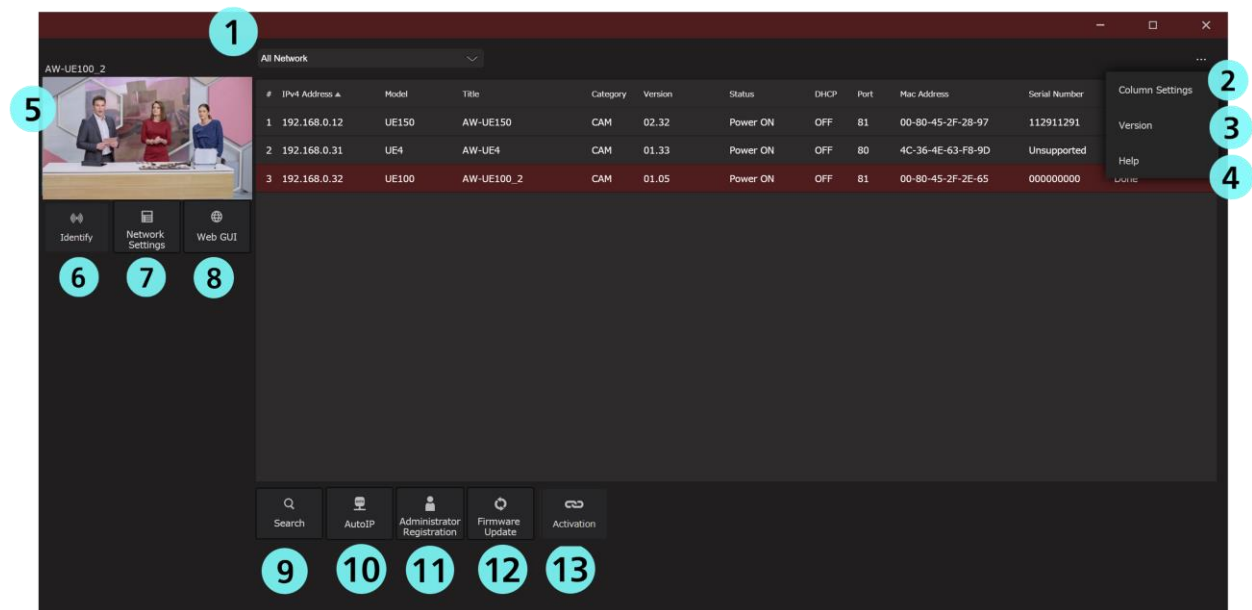
4. Restart EasyIPSetupToolPlus and the camera will be detected normally.



# Description of Screens

## Main Screen

When you start the application, the following screen is displayed.



① **Network pulldown**

You can set the Network Adaptor to be used for search.

② **Column Settings**

You can set the columns to be displayed in the camera list.

③ **Version**

The version information can be displayed.

④ **Help**

You can display the help for this application.

⑤ **Camera image display**

The images from the specified camera can be displayed. (2fps)

\* Images cannot be acquired from cameras for which user authentication is ON.

⑥ **Identify**

The power indicator light of the specified camera can be lit at a high speed.

⑦ **Network Settings**

The network setting information of the specified camera can be changed.

⑧ **Web GUI**

The display can be switched to the Web screen of the specified camera.

⑨ **Search**

The camera detection operation can be started.

⑩ **Auto IP**

The specified cameras can be assigned with consecutive IP Addresses.

⑪ **Administrator Registration**

An administrator account can be registered to the specified camera.

⑫ **Firmware Update**

The firmware version of the connected camera can be upgraded.

⑬ **Activation**

This function allows you to activate various types of licenses.

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## Camera List Area

#	IPv4 Address	Model	Title	Category	Version	Status	DHCP	Port	Mac Address	Serial Number	Administ...	IPv6 Address
1	192.168.0.17	UE100	AW-UE100	CAM	01.06	Power ON	OFF	80	00-80-45-2F-2E-6D	000000000	Done	2001:db8:1234:5678:91ab:cde...
2	192.168.0.15	HE65	AW-HE65	CAM	01.94	Power ON	OFF	81	20-C6-EB-EF-02-4A	S2ZHE4197	Done	fe80:0:0:22C6:ebFF:feEF:24A...
3	192.168.0.10	UE150	AW-UE150	CAM	02.37	Power ON	ON	80	00-80-45-2F-2B-71	000000001	Unsupp...	2001:db8:1234:5678:90AB:cd...

### ① IPv4 Address

Displays the IPv4Addresses of the cameras.

You can sort the camera list by ascending or descending IPv4 Address by clicking IPv4 Address.

### ② Model

Displays the model names of the cameras.

You can sort the camera list by Model by clicking Model.

### ③ Title

Displays the titles of the cameras.

You can sort the camera list in ascending or descending Title by clicking Title.

### ④ Category

Displays the device category.

In the case of a camera, CAM is displayed.

You can sort the camera list by CAM by clicking Category.

### ⑤ FW Version

Displays the firmware versions of the cameras.

\* Information cannot be retrieved from cameras for which user authentication is ON.

### ⑥ Status

Displays the status of the cameras.

PowerON: Power ON          Standby: Standby status

\* Information cannot be retrieved from cameras for which user authentication is ON.

You can sort the camera list by Status by clicking Status.

⑦ **DHCP**

Displays the network setting information of the cameras.

ON: DHCP setting      OFF: Fixed IP setting

You can sort the cameras list by DHCP by clicking DHCP.

⑧ **Port**

Displays the port numbers of the cameras.

You can sort the camera list in ascending or descending port number by clicking Port.

⑨ **Mac Address**

Displays the MacAddresses of the cameras.

⑩ **Serial Number**

Displays the serial numbers of the cameras.

\* Information cannot be retrieved from cameras for which user authentication is ON.

⑪ **Administrator Registration**

Displays the setting information of the administrator account.

Done: Already set      None: Not set

You can sort the camera list by Administrator Registration by clicking Administrator Registration.

⑫ **IPv6Address**

Displays the IPv6Addresses of the cameras.

You can sort the camera list by ascending or descending IPv6 Address by clicking IPv6 Address.

⑬ **Transition to Web screen**

You can move to the web screen of the selected camera by double-clicking.

■ Notation when information cannot be retrieved.

Unsupported: Information retrieval is not supported for this camera.

Unauthorized: Information cannot be retrieved because user authentication of the camera is ON.

--: Operation is not supported for this device.

# Description of Screen Operations

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## Column Settings

You can set the columns to be displayed in the camera list.

■Hidden Items: Columns that are not displayed on the main screen

■Display Items: Columns that are displayed on the main screen

\* By default, all columns are displayed.

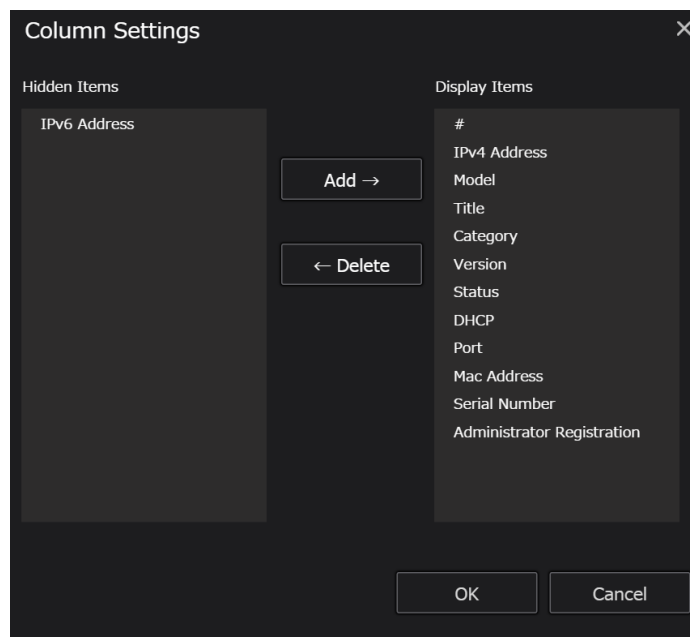
■Operation method

• To add an item to the [Display Items]

1. Select the item to be displayed from the [Hidden Items].
2. Press the [Add] button.

• To add an item to the [Hidden Items]

1. Select the item to be hidden from the [Display Items].
2. Press the [Delete] button.



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# Identify

The power indicator light of the specified camera can be lit at a high speed.

## ■ Operation method

1. Select a camera from the camera list on the right of the screen.
2. Click the [Identify] button.
3. The power indicator lights up at a high speed.

## ■ Precautions

- The Identify function cannot be used in a camera for which more than 20 minutes have elapsed since the power supply was turned on.
- If you want to still use this function even after 20 minutes have elapsed, then in the network settings of the camera, set “Easy IP Setup accommodate period” to “Unlimited”.

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# Network Settings

The network setting information of the specified camera can be changed.

## ■ Operation method

The display pattern varies depending on the camera model.

### • Display pattern (1)

You can set up the camera title, port number, IPv4, IPv6, and DNS.

Network Settings

Title: AW-UE100\_2

Port No.: 81

IPv4 Network

DHCP:  On  Off

IPv4 Address: 192.168.0.32

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.0.9

IPv6 Network

Manual:  On  Off

IPv6 Address: 2001:db8:85a3::8a2e:370:7334

Default Gateway: 2001:db8:beef:beef::1

DHCPv6:  On  Off

DNS:  Auto  Manual

Primary Server Address: 1.1.1.1

Secondary Server Address: 1.1.1.1

Setup Cancel

1. Change the network setting information.
2. Click the [OK] button to start the setup.
3. Enter the User ID and Password of the camera.

Please enter the camera authentication information

User ID: [Redacted]

Password: [Redacted]

OK Cancel

4.If the setup is successful, "Setup Camera Successfully" is displayed.

5.If setup fails, "Fail to Setup Camera" is displayed.

#### • Display pattern (2)

You can set up the port number, IPv4, and DNS.

\* You cannot set up the camera title.

Network Settings

Title	AW-UE150
Port No.	81
IPv4 Network	
DHCP	<input type="radio"/> On <input checked="" type="radio"/> Off
IPv4 Address	192.168.0.12
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.9
DNS	
	<input type="radio"/> Auto <input checked="" type="radio"/> Manual
Primary Server Address	192.168.0.2
Secondary Server Address	0.0.0.0

Setup Cancel

1.Change the network setting information.

2.Click the [OK] button to start the setup.

3.If the setup is successful, "Setup Camera Successfully" is displayed.

4.If setup fails, "Fail to Setup Camera" is displayed.

#### ■Precautions

- The Network Settings function cannot be used in a camera for which more than 20 minutes have elapsed since the power supply was turned on.
- If you want to still use this function even after 20 minutes have elapsed, then in the network settings of the camera, set "Easy IP Setup accommodate period" to "Unlimited".

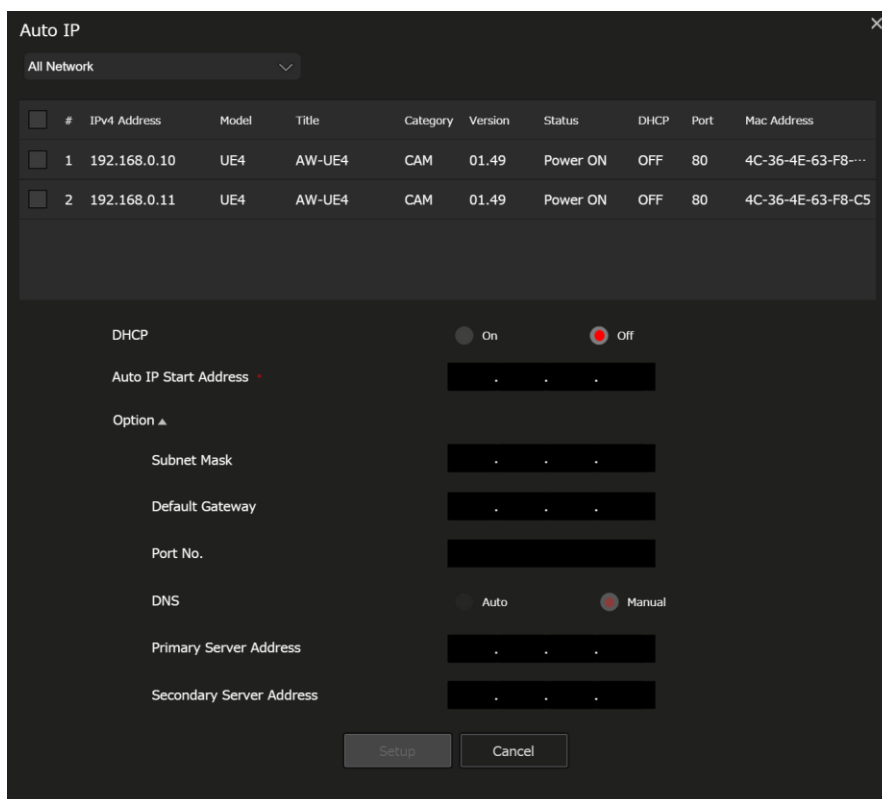


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# Auto IP

The specified cameras can be assigned with consecutive IP Addresses.

You can also read the DHCP settings all at once.



## ■ Operation method

1. Select the checkbox of the cameras for which IP addresses are to be assigned. \* Multiple cameras can be selected.
2. Select DHCP ON / OFF.
3. In the [Auto IP Start Address] field, enter the address from which you want to start the assignment.

Example) If you enter "192.168.0.10", the IP addresses will be set as  
192.168.0.10, 192.168.0.11, 192.168.0.12, ...  
in an order starting from the top of the list.

\*You can set the subnet mask, default gateway, port number, and DNS as Option items.

If you select Option, set the values for all cameras.

\* If DHCP ON is selected, the AutoIPStartAddress cannot be entered because the camera DHCP setting is set to ON.

4. If you press the [Setup] button, the assignment of IP addresses will start in an order starting from the top of the list.

5. If the assignment is successful, a list of successful cameras will be displayed.
6. If the assignment of the IP addresses fails, a list of cameras for which the assignment of IP address has failed is displayed.

■Precautions

- The Auto IP function cannot be used in a camera for which more than 20 minutes have elapsed since the power supply was turned on.
- If you want to still use this function even after 20 minutes have elapsed, then in the network settings of the camera, set “Easy IP Setup accommodate period” to “Unlimited”.

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# Administrator Registration

An administrator account can be registered to a camera.

Only cameras to which an administrator account is not registered are displayed in the camera list.

The screenshot shows a window titled "Administrator Registration" with a close button (X) in the top right corner. It contains a table with the following columns: #, IPv4 Address, Model, Title, Category, Version, Status, DHCP, Port, and Administrator Registration. Two rows are visible, both with checked checkboxes in the first column. Below the table are three input fields: "User ID", "Password", and "Password(Confirm)". To the right of these fields is a "Note" section with several bullet points. At the bottom of the window are two buttons: "Setup" and "Cancel".

<input checked="" type="checkbox"/>	#	IPv4 Address	Model	Title	Category	Version	Status	DHCP	Port	Administrator Registration
<input checked="" type="checkbox"/>	1	192.168.0.13	UE100	AW-UE100_2	CAM	01.05	Standby	OFF	80	None
<input checked="" type="checkbox"/>	2	192.168.0.12	UE100	AW-UE100	CAM	01.04	Standby	OFF	80	None

Note

- User name can be set from 1 to 32 characters.
- Password can be set from 4 to 32 characters. ( 8 or more characters recommended )
- Distinguish between upper and lower cases.
- For the password, it is recommend to use three or more types of characters from the following.
  - upper case alphabetic
  - lower case alphabetic
  - numbers
  - symbols(!#\$%()\*+,-./?@[ ]^`~)
- Set the password which does not include the user name.
- It is recommended to change the password periodically.

## ■ Operation method

1. Select the checkbox of the camera to which you want to register the administrator account.

\* Multiple cameras can be selected.

\* It cannot be set for cameras with the same IP Address.

If the IP Address is the same, use the NetworkSettings and AutoIP functions to change the IP Address of the camera.

2. Enter the User Name and Password.

3. If you press the [Setup] button, the registration will start.

4. If registration is successful, a list of successful cameras will be displayed.

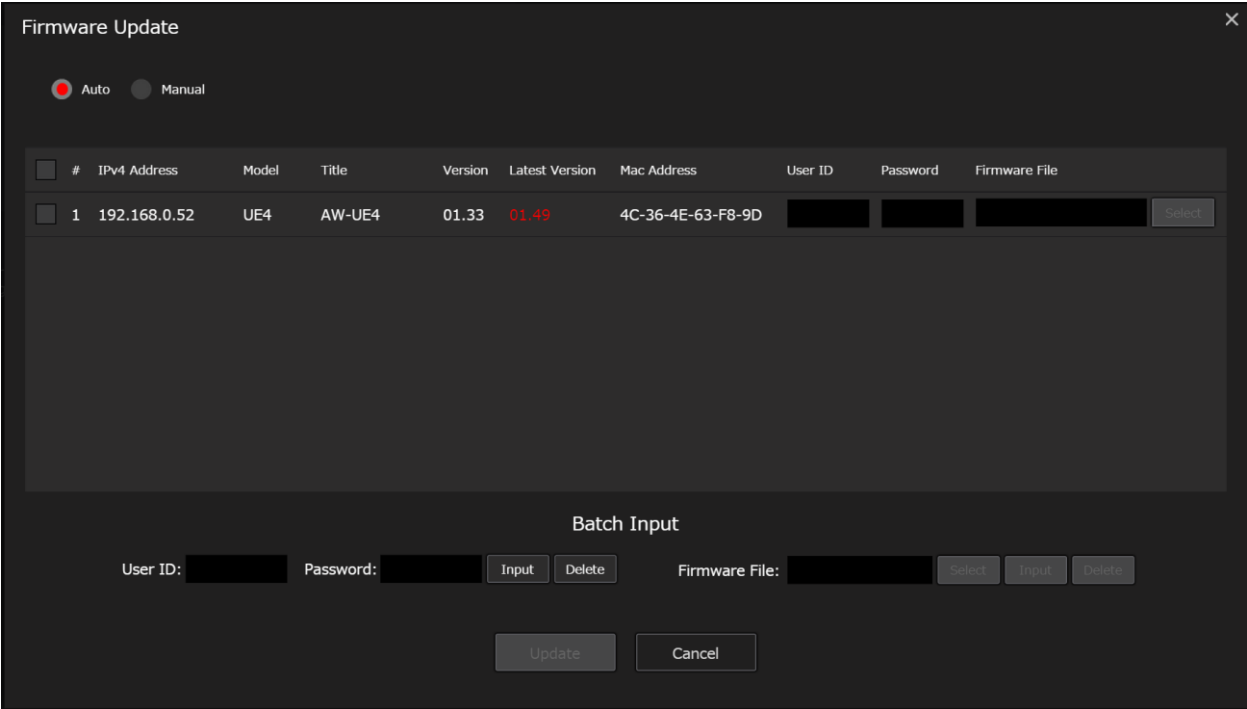
5. If registration fails, a list of cameras for which the registration has failed is displayed.

## ■ Precautions

You cannot register the account to a camera for which an administrator account is already set.

# Firmware Update

The firmware version of the connected camera can be upgraded.

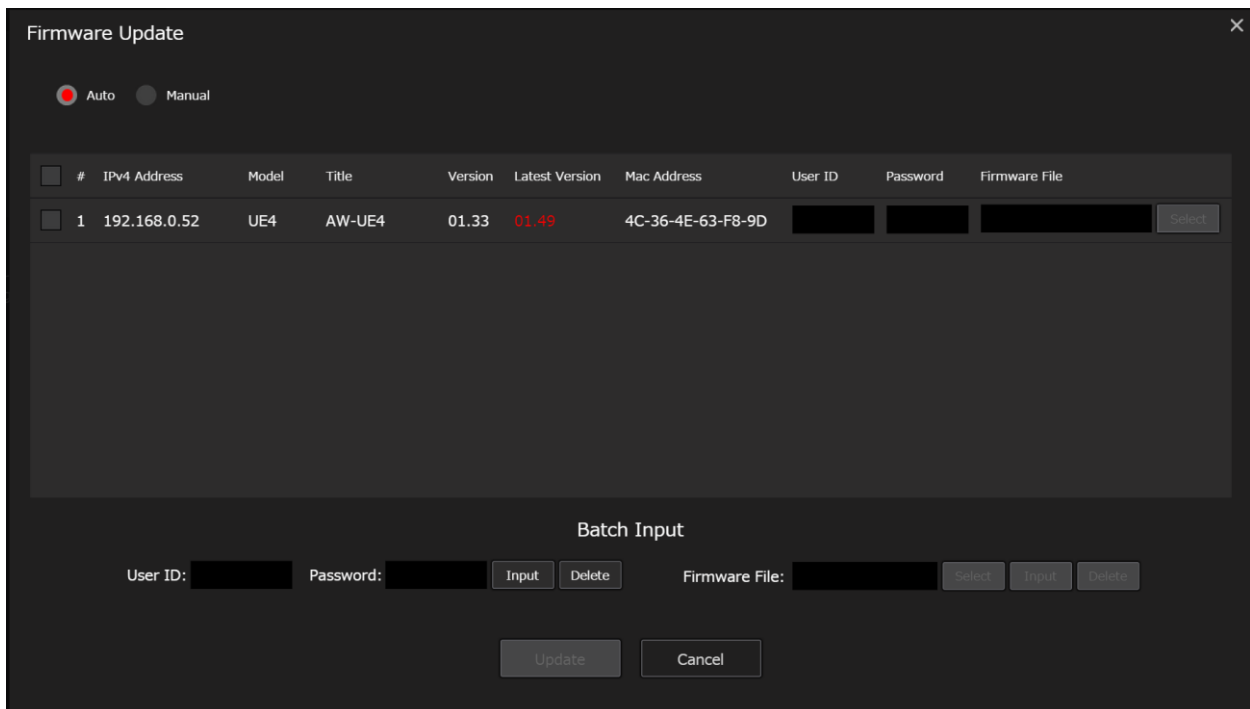


\* Latest Version: Displays the latest firmware version of the camera.

The version information can be displayed only when the PC is connected to the Internet.

## ■ Operation method

### • Update Method: Auto



All operations from the download of the firmware file to the version upgrade of the camera are performed by applications.

Only cameras that need upgrading of their firmware to the latest firmware version are displayed in the camera list.

\* To use the Auto method, the PC on which the EasyIPSetupToolPlus is running must be connected to the Internet.

### Version upgrade procedure

1. Select the checkbox of the camera for which you want to start the version upgrade.

\* Multiple cameras can be selected.

\* It cannot be set for cameras with the same IP Address.

If the IP Address is the same, use the NetworkSettings and AutoIP functions to change the IP Address of the camera.

2. Enter the User ID and Password for each camera.

Batch input: Enter a value in the Batch Input field and press the [Input] button.

You can enter the User ID and Password of the selected camera.

If you press the [Delete] button, you can clear the User ID and

Password values of the selected camera.

Individual input: Enter the User ID and Password for each camera.

3. Press the [Update] button to start version upgrade to the latest firmware.

\* Once the version upgrade starts, you cannot perform any other operation with the application.

4. When version upgrade is complete, a list of successful cameras is displayed.

5. If version upgrade fails, a list of cameras for which the version upgrade has failed is displayed.

## • Update Method: Manual

#	IPv4 Address	Model	Title	Version	Latest Version	Mac Address	User ID	Password	Firmware File		
<input type="checkbox"/>	1	192.168.0.15	HE65	AW-HE65	01.94	01.94	20-C6-EB-EF-02-4A				Select
<input type="checkbox"/>	2	192.168.0.52	UE4	AW-UE4	01.33	01.49	4C-36-4E-63-F8-9D				Select

Batch Input

User ID:  Password:    Firmware File:

Select the firmware file from the PC, and upgrade it.

Cameras for which the version can be upgraded are displayed in the camera list.

### Version upgrade procedure

1. Select the checkbox of the camera for which you want to start the version upgrade.

\* Multiple cameras can be selected.

\* It cannot be set for cameras with the same IP Address.

If the IP Address is the same, use the NetworkSettings and AutoIP functions to change the IP Address of the camera.

2. Enter the User ID and Password.

Batch input: Enter a value in the Batch Input field and press the [Input] button.

You can enter the User ID and Password of the selected camera.

If you press the [Delete] button, you can clear the User ID and Password values of the selected camera.

Individual input: Enter the User ID and Password for each camera.

3. Select the firmware.

Batch input: Press the [Select] button in the Batch Input field and select the firmware file. Then you can input the firmware file of the selected

camera by pressing the [Input] button.

If you press the Delete button, you can clear the firmware file of the selected camera.

Individual input: Click the [Select] button for each camera and select the firmware.

4. Press the [Update] button to start version upgrade of the selected camera.

\* Once the version upgrade starts, you cannot perform any other operation with the application.

5. When version upgrade is complete, a list of successful cameras is displayed.

6. If version upgrade fails, a list of cameras for which the version upgrade has failed is displayed.



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# Activation

This function allows you to activate various types of licenses.

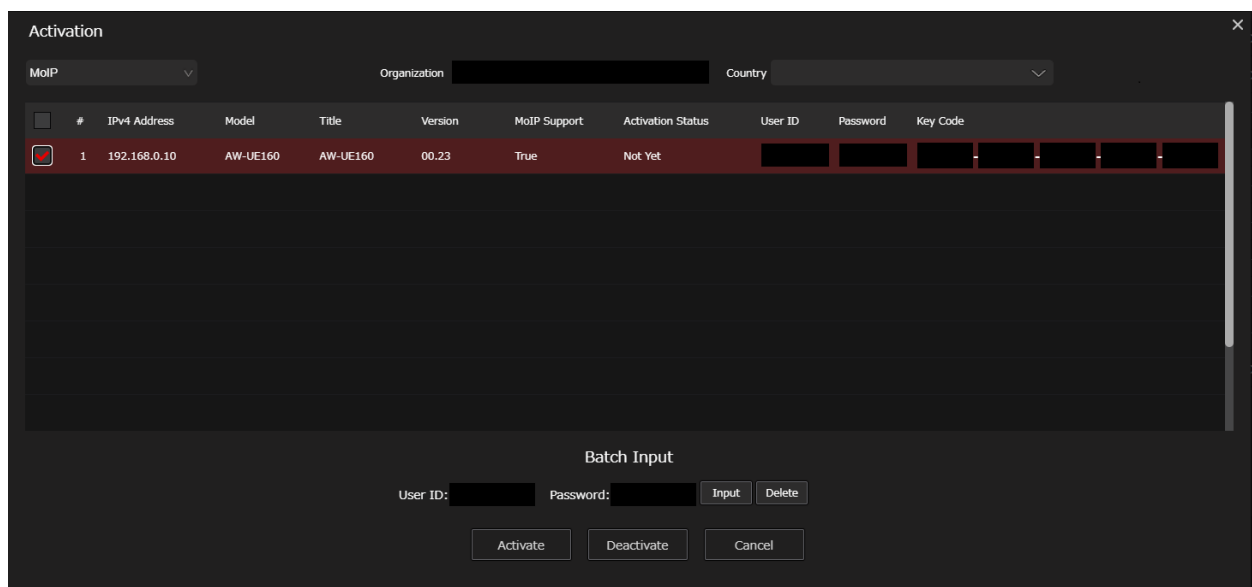
\*This function is available only when an Internet connection is available.

You can activate the following licenses with this function.

- NDI|HX
- MoIP (SMPTE ST 2110)

## ■NDI|HX License Activation

If you select NDI|HX in the license selection box on the upper left of the Activation screen, the NDI|HX license activation screen will appear.



NDI|HX Support: Cameras that support NDI|HX: True

Cameras that do not support NDI|HX: False

Activation Status: Camera that has completed activation: Done

Camera that has not completed activation: Not Yet

## Activation Procedure

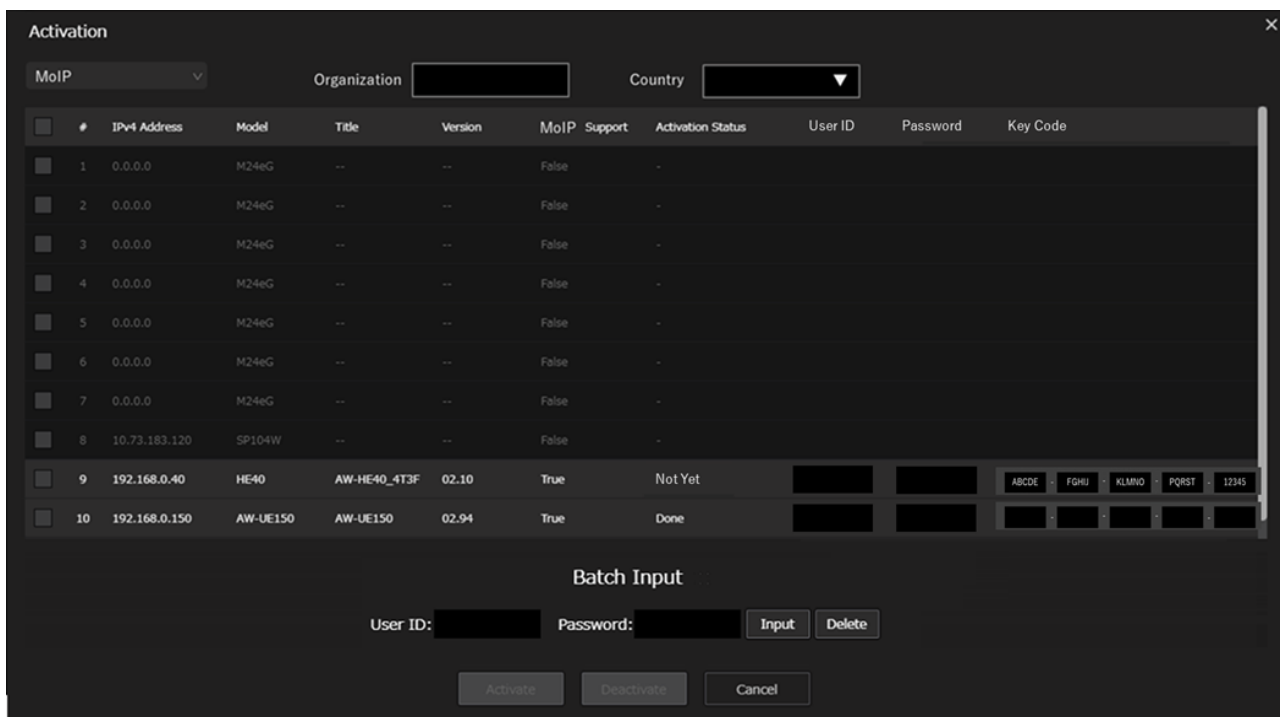
1. Select the camera you want to activate.
2. Enter the license code in the License Code field.
3. Press the Activate button to start the activation.

### Deactivation Procedure

1. Select the camera you want to deactivate.
2. Enter the license code in the License Code field.
3. Click the Deactivate button to start deactivation.

### ■ MoIP (SMPTE ST 2110) License Activation

If you select MoIP in the license selection box on the upper left of the Activation screen, the MoIP (SMPTE ST 2110) license activation screen will appear.



MoIP Support: Cameras that support MoIP: True

Cameras that do not support MoIP: False

Activation Status: Camera that has completed activation: Done

Camera that has not completed activation: Not Yet

## Activation Procedure

1. Enter your company name in the Organization field.

Characters that can be entered: alphabets, numbers, spaces

Number of characters that can be entered: Up to 40 characters

2. Select your country in the Country field.
3. Select the camera you want to activate.
4. Enter the User ID and Password for each camera.

Batch input: Enter a value in the Batch Input field and press the [Input] button.

You can enter the User ID and Password of the selected camera.

If you press the [Delete] button, you can clear the User ID and

Password values of the selected camera.

Individual input: Enter the User ID and Password for each camera.

5. Enter the license key code in the Key Code field
6. Press the Activate button to start the activation.

## Deactivation Procedure

1. Enter your company name in the Organization field.

Characters that can be entered: alphabets, numbers, spaces

Number of characters that can be entered: Up to 40 characters

2. Select your country in the Country field.
3. Select the camera you want to deactivate.
4. Enter the User ID and Password for each camera.

Batch input: Enter a value in the Batch Input field and press the [Input] button.

You can enter the User ID and Password of the selected camera.

If you press the [Delete] button, you can clear the User ID and

Password values of the selected camera.

Individual input: Enter the User ID and Password for each camera.

5. Enter the license key code in the Key Code field

6. Press the Deactivate button to start the deactivation.

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That's all there is to it!

·Source code

You can download the source code from the following URL.

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SPEEX (<https://www.speex.org/>), resampling code only.

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CxxUrl (<https://github.com/chmike/CxxUrl>)

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