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Preface

Overview

• This software is a new software platform that integrates all of the different software for our remote camera systems. This free base software can be combined with paid plugins, which we are planning on releasing moving forward, and can be customized to meet a variety of purposes. Using this software will allow you to construct a remote camera system that is both easy to use and that will improve jobsite efficiency.

• Installing this software will allow you to use the functionality of the free base software. The base software includes functionality to manage devices (Device View function) and remote camera control functionality (PTZ Control function).

- With the Device View function, you can:
 - Register, edit, and delete devices
 - Display device information
 - Manage device power
 - Auto-detect cameras on the network
 - Configure camera network settings
 - Update camera firmware
 - Batch register camera administrators
 - Activate camera NDI|HX/SMPTE ST 2110
- With the PTZ Control function, you can:
 Pan, tilt and zoom cameras
 Register, call and delete camera presets, set the speed of those presets
 Adjust camera image quality
 Control auto-tracking functionality for cameras that have auto-tracking built in
 Control camera power ON/Standby

• The functionality of paid plugins will be useable after activating them in the base software.

• As both the base software and the paid plugins are compatible with server-based operation, it is possible to display a GUI and operate them on another PC connected to the same network.

• As we have an external API to control the functionality of this software from an external system, flexible system construction that combines external systems is possible. * To be offered with future software updates

Operational Requirements

The following requirements must be met to use this software.

- Install PC
 - OS
 - Windows Server 2022
 - Windows 11
 - Windows 10 64bit (Version 21H2 or later)
 - Hardware
 - CPU: Intel Core 7th generation (Kaby Lake) or later
 - RAM: 8GB or more
 - Display: 1920 x 1080 or higher
 - Storage: 2GB or more free space
 - Software
 - Web browser: Microsoft Edge, Google Chrome

*The hardware requirements for the install PC are applicable if you are using functions of the free base software.

For the hardware requirements for paid plugins, check the operation requirements that are listed in each paid plugin's manual.

*Ensure that you use this software with the Windows OS installed on the C drive of the install PC.

■ Client (Browse device)

• OS

Windows 11

Windows 10 64bit (Version 21H2 or later)

- macOS 13 (Ventura) or later
- iPad OS 16 or later
- Hardware

Display: 1920 x 1080 or higher (Other than iPad)

- Software
 - Web browser: Microsoft Edge, Google Chrome

<NOTE>

• If you use Google Chrome, download it from the Google LLC website and install it.

Supported Devices

This software supports the following devices (as of January 2024).

- Panasonic network compatible cameras
 - PTZ cameras
 - AW-UE160/163
 - AW-UE150/155
 - AW-UE100
 - AW-UE80/83
 - AW-UE50/53
 - AW-UE40/43
 - · AW-UE70/AW-UN70/AW-UE65/AW-UE63
 - AW-UE20
 - AW-UE4
 - AW-HE145
 - AW-HE70/AW-HN70
 - AW-HE65/AW-HN65/AW-HE58/AW-HE48
 - AW-HE42/AW-HE68/AW-HE75
 - · AW-HE40/AW-HN40/AW-HE38/AW-HN38/AW-HE35
 - · AW-HE20
 - AW-UR100
 - AW-HR140

<NOTE>

 Refer to the web sites for this software below for information on the latest compatible models. Japanese: <u>https://connect.panasonic.com/jp-ja/products-services_proav</u> English: <u>https://pro-av.panasonic.net/en/</u>

• Ensure that your devices are running on the latest firmware. Firmware can be downloaded from the web sites listed above.

Regarding Network and Security

As this software is used over a PC connected to a network, the following risks are a possibility.

- Information leaks through the PC
- Unauthorized operation of the PC or this software by third-parties with ill intent
- Disturbance or suspension of operation of PCs or this software by third-parties with ill intent

To mitigate these risks, we ask that customers take on responsibility to ensure sufficient network security measures that include the following. Our company will bear no responsibility related to any of these risks.

• Use a firewall, and use the PC on networks that you know are secure.

• Ensure that scans for viruses and unauthorized programs are being conducted regularly on the PC, and that these risks are being removed if found.

- Set a password for the PC and limit the users who can login to protect against unauthorized attacks.
- Do not install the PC in a place where it can be easily accessed by a third party, and implement anti-theft measures.

Restrictions Related to Connected Devices

• We recommend that the network connecting the install PC and the devices such as remote cameras be of the same segment. If connecting with different segments, phenomenon reliant on the settings of individual network devices may occur, so ensure that you conduct sufficient testing before beginning operations.

• We recommend a wired network connection between the install PC and devices such as remote cameras. If connected wirelessly, this software may experience delays in display or in response to operations.

- · Connect remote cameras with HTTP connection settings. HTTPS connections are not supported.
- Please operate the install PC with fixed IP settings. Operation of DHCP settings is not supported.

Regarding the Content of These Files

- The illustrations and depictions shown in these files may differ from actual circumstances.
- These files refer to "personal computer" as "PC."

Regarding Registration and Registered Trademarks

• Microsoft, Windows and Microsoft Edge are registered trademarks of the US Microsoft Corporation in the US, in Japan and in other countries.

• Apple, Mac, macOS, iPadOS, iPhone, iPad and Safari are trademarks registered to Apple Inc. in the US and in other countries where those trademarks have been registered.

• Android and the Chrome browser are trademarks of Google LLC.

• Intel and Intel Core are trademarks and registered trademarks of the Intel Corporation and its subsidiaries in the US and in other countries.

Software Installation

Precautions for PCs with Auto-Tracking Software Installed

This software cannot be run on PCs which have the AW-SF200/AW-SF100 Web appli ver. auto-tracking software installed. If installing this software on PCs which have the AW-SF200/AW-SF100 Web appli ver. auto-tracking software installed, uninstall the auto-tracking software with the following procedure.

- 1. Open the Windows [Apps & features] screen.
- 2. Select and uninstall the [Node.js] from the [Apps & features] screen.
- 3. Select and uninstall [PostgreSQL 11] from the [Apps & features] screen.
- 4. Select and uninstall [Panasonic Auto Tracking Server] from the [Apps & features] screen.
- 5. Restart your PC.

<NOTE>

• For PCs with the AW-SF100 Standalone ver. installed, you do not need to uninstall the auto-tracking software.

Precautions When Installing

- Perform installations with a Windows Administrator account.
- If you are asked to verify the user account controls on your Windows user account during installation, click [OK].

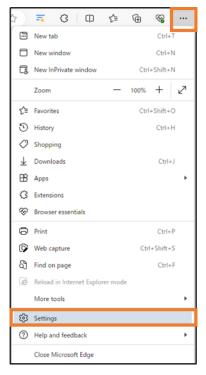
When updating to a new version

When updating this software to a new version, there is no need to uninstall the old version. The software will be updated automatically when you install a new version.

After updating, please clear the cache of your web browser (Google Chrome) before using the new version of the software. If you run the new version without clearing the cache, malfunctions may occur.

Steps to clear Microsoft Edge cache

1. Click the menu button ... at the top right of the Microsoft Edge screen and select "Settings".



2. On the Microsoft Edge settings screen, select "Privacy, search, and services" and click "Choose what to clear" under

"Clear browsing data."

Set	tings	
Q	Search settings	
8	Profiles	
Ô	Privacy, search, and services	Tracking prevention ①
	Appearance Sidebar	Websites use trackers to collect info about your browsing. Websites may use this info to improve sites and show you content like personalized ads. Some trackers collect and send your info to sites you haven't visited.
9	Start, home, and new tabs	Tracking prevention
e R	Share, copy and paste Cookies and site permissions	Balanced 🔰 Strict
0 × % ±	Default browser Downloads Family safety Languages Printers	Allows most trackers across all sites Content and ads will likely be personalized Sites will work as expected Blocks known harmful trackers Blocks known harmful trackers
0	System and performance Reset settings	Biocked trackers > View the sites that we've blocked from tracking you
1	Phone and other devices Accessibility About Microsoft Edge	Exceptions Allow all trackers on sites you choose Allow all trackers on sites you choose Always use "Strict" tracking prevention when browsing InPrivate
		Clear browsing data This includes history: passwords, cookies, and more. Only data from this profile will be deleted. Manage your data Clear browsing data now Choose what to clear every time you close the browser >

3. On the "Clear browsing data" screen, configure the following settings and click the "Clear data" button to clear the cache.

Time range: All time

Cached images and files: Check ON

Clear browsing data $ imes$
Time range
All time 🗸
Browsing history 4,638 items. Includes autocompletions in the address bar.
Download history 570 items
Cookies and other site data From 1,092 sites. Signs you out of most sites.
Cached images and files Frees up less than 320 MB. Some sites may load more
Clear browsing data for Internet Explorer mode
Clear now Cancel

<NOTE>

The above procedure for clearing the cache is for Microsoft Edge version 120.0.2210.121.

The display may differ depending on the version of Microsoft Edge.

Steps to clear Google Chrome cache

1. Click the menu button it the top right of the Google Chrome screen and select "Settings".

	Ê 1			
New tab			Ctrl+1	Ì
New window			Ctrl+N	
New Incognito windo	w	Ctrl+S	Shift+N	
History			•	-
Downloads			Ctrl+J	
Bookmarks			•	۰I
Google Password Ma	anager 🛛 🛚	lew		
Extensions			•	۰I
Zoom	- 100	% +	53	
Print			Ctrl+P	
Cast				
Find			Ctrl+F	
More tools)	٠I
Edit	Cut	Сору	Paste	
Settings				
Help			•	۰I
Exit				

2. On the Google Chrome settings screen, select "Privacy and security" and then "Clear browsing data."

0	Settings	٩, :	Search settings	
: 1	You and Google Autofill and passwords	Safety o	theck	
0	Privacy and security	۲	Chrome can help keep you safe from data breaches, bad extensions, and more	eck now
Ø	Performance			
۹	Appearance	Privacy	and security	
Q	Search engine	î	Clear browsing data	
	Default browser	<u> </u>	Clear history, cookies, cache, and more	
(J)	On startup	٩	Third-party cookies Third-party cookies are blocked in Incognito mode	•
0	Languages	R	Ad privacy	,
*	Downloads		Customize the info used by sites to show you ads	
Ť	Accessibility	۲	Security Safe Browsing (protection from dangerous sites) and other security settings	,
*	System Reset settings	₩.	Site settings Controls what information sites can use and show (location, camera, pop-ups, and more)	•

3. On the "Clear browsing data" screen, configure the following settings and click the "Clear data" button to clear the cache.

Time range: All time

Cached images and files: Check ON

Clea	ar browsing data	
	Basic Advance	ed
Time	e range All time 👻	
	Browsing history Clears history, including in the search box	
	Cookies and other site data Signs you out of most sites	
	Cached images and files Frees up 15.1 MB. Some sites may load more slowly on yo	ur next visit.
	Cancel	Clear data

<NOTE>

The above procedure for clearing the cache is for Google Chrome version 119.0.6045.123.

The display may differ depending on the version of Google Chrome.

Software Installation Procedure

1. Double-click Setup.exe to run the installer. Select your language and click OK.

Installer Lan	guage	\times
Μ	Please select a language.	
	English	\sim
	OK Cancel	

2. Continue the process by clicking the "Next" button.



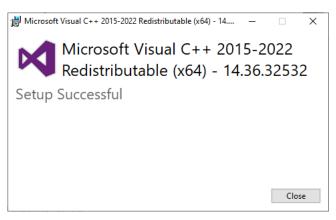
3. The Usage Agreement will be displayed, so confirm the content and if there are no problems, click the "I Agree" button.

M Media Production Suite 1.0.0 Setup -	×
License Agreement Please review the license terms before installing Media Production Suite 1.0.0.	Μ
Press Page Down to see the rest of the agreement.	
Software License Agreement	^
Panasonic Connect Co. Ltd., (hereinafter referred to as "Panason Connect") grants to you a non-exclusive license to use "Media Productio Suite" (hereinafter referred to as the "Software") and related documen for the Software under the following conditions. By installing the Software, you are considered to have agreed with the Software License Agreement.	n ts
If you accept the terms of the agreement, click I Agree to continue. You must accept th agreement to install Media Production Suite 1.0.0.	e
Panasonic connect, Inc < Back I Agree Ca	ncel

4. If the runtime required to run the software is not installed, the runtime installer screen will be displayed, so check "I agree to the license terms and conditions" and click "Install".



5. When the runtime installation is complete, the following screen will be displayed, so click "Close".



6. The file copy status is displayed.

When you install this software for the first time, it will take some time to complete as the software required for execution

(Node.js, Erlang OTP, RabbitMQ, PostgreSQL) will also be installed.

Media Production Suite 1.0.0 Setup	_		\times
Installing Please wait while Media Production Suite 1.0.0 is being installed.			Μ
riease wait while field in four of suite 1.0.0 is being installed.			
Extract: Microsoft.Bcl.AsyncInterfaces.xml 100%			
Extract: EntityFramework.SqlServer.xml 100%			•
Extract: EntityFramework.dll 100%			
Extract: EntityFramework.xml 100%			
Extract: EntityFramework6.Npgsgl.dll 100%			
Extract: EntityFramework6.Npgsql.xml 100%			
Extract: ICSharpCode.SharpZipLib.dll 100%			
Extract: ICSharpCode.SharpZipLib.pdb 100%			
Extract: ICSharpCode.SharpZipLib.xml 100%			
Extract: Microsoft.Bcl.AsyncInterfaces.dll 100%			
Extract: Microsoft.Bcl.AsyncInterfaces.xml 100%			¥
Panasonic connect, Inc			
< Back N	ext >	Car	ncel

7. If PostgreSQL is not installed, PostgreSQL installation will start automatically.

If PostgreSQL is already installed, the installation of PostgreSQL will not start, so please proceed to step 8.

🍯 Setup	-		×
	Installing		
	Unpacking C:\Program []greSQL\15\doc\postgresql\html\auth-tru	st.html	

8. After installation, the following screen will be displayed.

Media Production Suite 1.1.	2 Setup	_		\times
	Completing Media Production 1.1.2 Setup	ction	Suite	
	Media Production Suite 1.1.2 has been computer.	installed	on your	
	Click Finish to close Setup.			
	Run the software now			
	Start software automatically at Win	dows sta	artup	
	< Back Finis	sh	Cance	el

Check "Run the software now" to select whether to start this software after installation is complete.

Check ON: This software will start after installation.

Check OFF: This software will not start after installation.

Check "Start automatically at Windows startup" to select whether this software starts automatically when Windows starts.

Check ON: Set this software to start automatically when Windows starts.

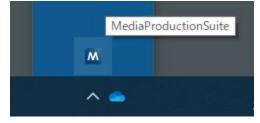
Check OFF: Set this software not to start automatically when Windows starts.

If you select OFF (do not start automatically), you will need to manually start the software by following the steps described in "Software Startup" in this document after Windows starts. If you want to change the check to ON (automatically start) after selecting OFF (do not start automatically), please uninstall this software once and then install it again.

Click the "Finish" button to finish the installation. For further operations, please refer to "<u>Software Startup and Exit</u>". <NOTE>

- Even if "Run the software now" is ON, the GUI screen will not be displayed after installation is complete.

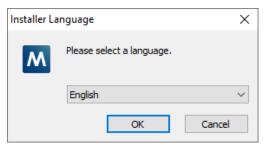
Media Production Suite software will be launched on the task tray.



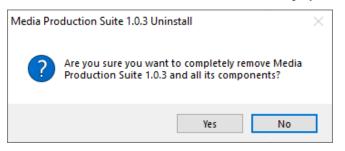
Software Uninstallation Procedure

For Windows 10, Windows Server 2022

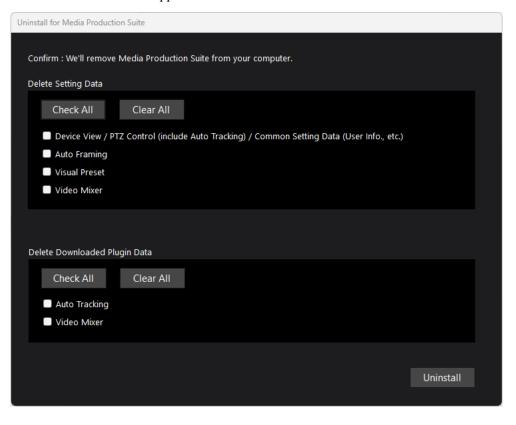
- 1. Right-click the Windows icon on the Windows taskbar and select "Apps and Features" in the menu that appears.
- 2. Select "Media Production Suite *.*.* (*.*.* is the version of the installed app)" from the apps displayed on the "Apps and Features" screen and click "Uninstall".
- 3. A confirmation message "This app and its related info will be uninstalled." will be displayed, so click "Uninstall".
- 4. If a confirmation screen for executing uninst.exe appears, select "Yes".
- 5. A language confirmation screen will be displayed, so select the desired language and click "OK".



6. A confirmation screen for uninstallation will be displayed, so click "Yes".



7. A confirmation screen will appear.



[Delete Setting Data]

· Device View/PTZ Control(include Auto Tracking)/Common Setting Data(User Info. Etc.)

When the check is ON, the following setting data will be deleted.

- Device information registered with the Device View function
- PTZ Control function operation settings (such as auto tracking operation settings)
- Account information for this software
- Registered face data
- Auto Framing

When the check is ON, the following Auto Framing setting data will be deleted.

- Target frame (composition) data
- Auto Start Area, Mask Area settings
- Detailed settings and other setting data
- Visual Preset

When the check is ON, the following Visual Preset setting data will be deleted.

- Registered background image
- Registered camera icon
- Registered Call Trigger icon
- Video Mixer

When the check is ON, the following Video Mixer setting data will be deleted.

- Multi View screen layout and view settings
- I/O Setting system format, Input settings, Output settings
- Movie files/still image files registered on the Media screen
- Scenes registered on the Scene screen
- AI Keying Background images registered on the AI Capture screen

[Delete Downloaded Plugin Data]

Auto Tracking

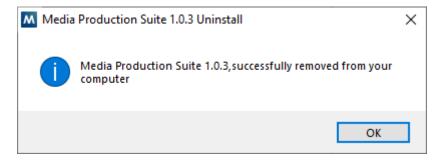
When the check is ON, downloaded execution data of Auto Tracking plugin will be deleted.

Video Mixer

When the check is ON, downloaded execution data of Video Mixer plugin will be deleted.

*License data for activated paid plugins will not be deleted.

8. Click the [Uninstall] button on the confirmation screen to uninstall. If the following screen is displayed, the uninstallation is complete.



For Windows 11

- 1. Right-click the Windows icon on the Windows taskbar and select "Installed apps" in the menu that appears.
- 2. Select "Media Production Suite *.*.* (*.*.* is the version of the installed app)" from the apps displayed on the "Installed apps" screen and click "Uninstall".
- 3. The subsequent steps are the same as from step 3 in "For Windows 10, Windows Server 2022" above.

<NOTE>

• If you want to move the license data to another PC, you will need to perform the deactivation procedure while this software is installed.

For the deactivation procedure, please refer to "Deactivate Paid Plugins" in the Information function operating manual.

Software Startup and Exit

Software Startup

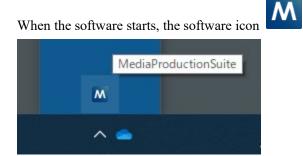
If you check "Start automatically at Windows startup" in step 8 of "Software Installation Procedure", this software will automatically start when Windows starts.

Please confirm that Media Production Suite is running on the task tray.

If you uncheck "Start automatically at Windows startup", this software will not start automatically, so please start it using one of the following steps.

- Open "Media Production Suite" in the Windows start menu, select the "Media Production Suite" shortcut
- Double-click the "Media Production Suite" shortcut on the desktop

When starting the software, a confirmation screen for Windows administrator privileges will be displayed, so click OK to allow it to start.



will be displayed in the Windows task tray.

The GUI will not be displayed automatically after this software starts.

For operations after startup, please refer to the "Software Use Flow" section.

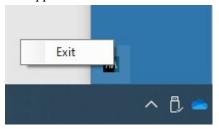
Software Exit

To exit this software, right-click the software icon



displayed in the Windows task tray and select [Exit] from the menu

that appears.



Software Use Flow

Software GUI Display

This software is operated with a GUI interface that is accessed by logging into this software, running on a install PC, with a web browser. Operations handled through a web browser can also be performed from a client PC that is separate from the install PC.

*If a web browser is not displayed correctly, please press the "F5" key to refresh the screen.

The GUI is displayed with the following procedure.

For install PC

- When the OS default web browser is Microsoft Edge or Google Chrome

You can display the GUI from one of the following shortcuts:

- "GUI of Media Production Suite" shortcut in the "Media Production Suite" group in the Windows start menu
- " GUI of Media Production Suite" shortcut on the desktop
- When the OS default web browser is other than Microsoft Edge or Google Chrome
 - 1. Start a web browser (Microsoft Edge or Google Chrome).
 - 2. Enter the URL below into the web browser's address bar.

http://localhost/MediaProductionSuite/Base/

* We recommend that you bookmark the login screen after the GUI is displayed.

For Client PC

- 1. Start a web browser (Microsoft Edge or Google Chrome).
- 2. Enter the URL below into the web browser's address bar.

http://[IP address of install PC]/MediaProductionSuite/Base/

(Example: http://192.168.0.200/MediaProductionSuite/Base)

* We recommend that you bookmark the login screen after the GUI is displayed.

After installing this software, the Administrator Account Registration screen will be displayed when the GUI is displayed in the initial state, and once an administrator account has been registered, the GUI will display the login screen.

When the Administrator Account Registration screen is displayed:

Follow the "Administrator Account Registration" instructions and register an administrator account.

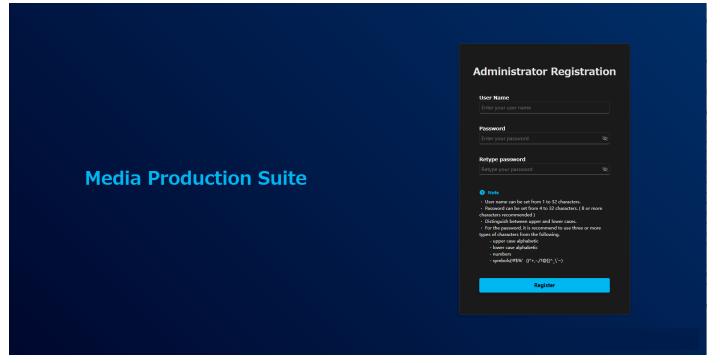
When the Login screen is displayed:

Follow the "Login Operation" instructions and login.

Administrator Account Registration

After installing this software, the Administrator Account Registration screen will be displayed when the GUI is displayed in the initial state.

You can register an administrator account by using the procedure below.



1. Enter a name for the account in the [User Name] field.

Characters available:

- Upper-case letters
- Lower-case letters
- Numbers
- Special characters (~!@#\$%^&*()_+¥|}{][<>.,/? `)

Number of characters

• Minimum 1, maximum 32

2. Enter a password in the [Password] and [Retype Password] fields.

Characters available:

- Upper-case letters
- Lower-case letters
- Numbers
- Special characters (~!@#\$%^&*() +¥|}{][<>.,/? `)

Number of characters

• Minimum 4, maximum 32

For security reasons, it is recommended that passwords be set in accordance with the following rule.

Recommended rule

• Passwords should include at least three of the four available character types above and should be at least eight characters long

3. Click the [Register] button to register the administrator account.

A warning message will be displayed if the password does not comply with the above recommended rules. If you wish to change the password, click the [Cancel] button and then make the desired changes. If you understand the security risk and wish to continue anyway, click the [OK] button to complete the process.

<NOTE>

• The administrator account will be registered as the account with role of Administrator.

Account information can be changed with the Setting function. For details, refer to the Setting function operation manual. To display the Setting function operation manual, click the [Help] button and select [Setting] from the menu.

Login Operation

Once an administrator account has been registered, the GUI will display the Login screen.

Enter the account name in the User Name field and the password into the Password field, then click the [Login] button to login and display the operation screen.

Refer to the "Screen Explanation" part of this document for details on the operation screen.

	Login
	User Name Enter your user name
Media Production Suite	Password Enter your password २६
	Login Login

Device Registration

In order to operate a device with this software, the device first needs to be registered in this software.

Device registration is performed in the Device View function. For details, refer to the Device View function operation manual. To display the Device View function operation manual, click the [Help] button and select [Device View] from the menu.

Device Operation

Registered devices can be operated from this software.

The free base software includes the PTZ Control function to manage remote cameras.

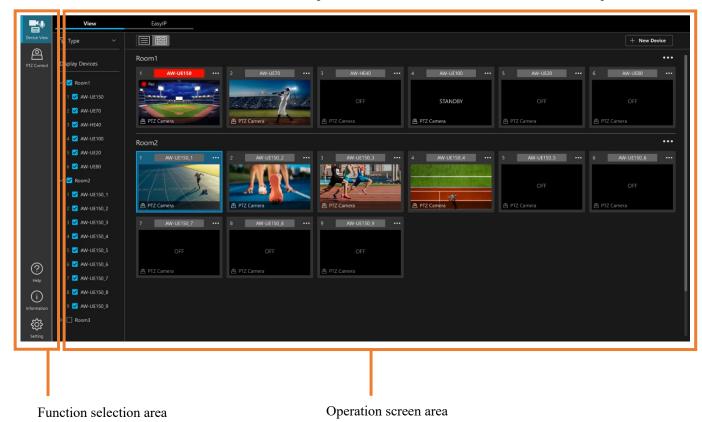
For details on this function, refer to the PTZ Control Function operation manual. To display the PTZ Control function operation manual, click the [Help] button and select [PTZ Control] from the menu.

Screen Explanation

Basic Screen Structure

We will explain the basic structure of screens.

For details on the screen for each function, refer to the operation manual listed in each function's button explanation.



• Operation screen area

The Operation screen for the function selected in the Function selection area will be displayed.

• Function selection area

₽₽

മ

PTZ Cont

1

2

3

1. Main function selection area

Functions useable in this software are shown in the area with [Button + Function Name]. Clicking the button will change the Operation screen to that function.

With the free base software installed, the [Device View] and [PTZ Control] buttons will be displayed and those functions will be useable.

If a compatible remote camera is available, the [Auto Framing] button will also be displayed and the function will be available.

If you activate a license for a paid plugin and new functionality becomes useable, a button for that functionality will be added to this area.

• Device View button

Clicking the button will change the Operation screen to the Device View function screen. The Device View functionality offers the ability to display a list of devices and manage them. From this screen, you can register, edit, and delete devices and manage the power of devices. Additionally, you can use the EasyIP Setup Tool Plus functionality in this function. For details on this function, refer to the Device View function operation manual displayed when clicking the [Help] button and selecting [Device View] from the menu.

• PTZ Control button

Clicking the button will change the Operation screen to the PTZ Control function. The PTZ Control function offers functionality specific to the operation of remote cameras. From this screen, you can pan, tilt and zoom remote cameras, and control camera presets and image quality.

For details on this function, refer to the PTZ Control function operation manual displayed when clicking the [Help] button and selecting [PTZ Control] from the menu.

Auto Framing button

Clicking the button will change the Operation screen to the Auto Framing function. The Auto Framing function provides high-quality auto tracking in cooperation with remote cameras that have built-in auto tracking function.

For details on this function, refer to the Auto Framing function operation manual displayed when clicking the [Help] button and selecting [Auto Framing] from the menu.

2. Help button

This button displays the operation manuals for this software in a web browser.

Operation manuals are divided based on function. Clicking the Help button will display a menu that allows you to select a function. Selecting a function from this menu will display the operation manual for that function.

The following menu options will be available with the installation of the free base software.

Common: Displays the operation manual (this document) for the basic elements of this software.

Device View: Displays the operation manual for the Device View function.

PTZ Control: Displays the operation manual for the PTZ Control function.

Auto Framing: Displays the operation manual for the Auto Framing function.

Information: Displays the operation manual for the Information function.

Setting: Displays the operation manual for the Setting function.

If you activate a license for a paid plugin and new functionality becomes useable, a menu option to display the operation manual for that functionality will be added.

3. Information button

Clicking the button will change the Operation screen to the Information function.

From the Information screen, you can display the version information for this software or activate paid plugins. For details on this function, refer to the Information function operation manual displayed when clicking the [Help] button and selecting [Information] from the menu.

4. Setting button

Clicking the button will change the Operation screen to the Setting function.

The Setting screen enables you to configure settings for the operation of this software.

For details on this function, refer to the Setting function operation manual displayed when clicking the [Help] button and selecting [Setting] from the menu.

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