Integrated Software Operation Manual (Common)

Contents

Preface

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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."

Overview

• This software is a new software platform that integrates all of the different software for our PTZ 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 PTZ 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 Manager function) and PTZ camera control functionality (PTZ Control function).

- With the Device Manager 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 June 2025).

■ Panasonic network compatible cameras

PTZ cameras

・AW-UE160/AW-UE163

・AW-UE150A/AW-UE158/ AW-UE 148

・AW-UE150/AW-UE155/AW-UN145

・AW-UE100

・AW-UE80/AW-UE83

・AW-UE70/AW-UN70/AW-UE65/AW-UE63

・AW-UE50/AW-UE53

・AW-UE40/AW-UE43

・AW-UE30

・AW-UE30

・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

Box Style Cameras

・AW-UB10

・AW-UB50

<NOTE>

• Refer to the web sites for this software below for information on the latest compatible models.

Japanese: https://connect.panasonic.com/jp-ja/products-services_proav

English: https://pro-av.panasonic.net/en/

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

• Some of the models listed above may not be sold in some regions.

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 PTZ 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 PTZ cameras. If connected wirelessly, this software may experience delays in display or in response to operations.

• Connect PTZ cameras with HTTP connection settings. HTTPS connections are not supported.

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 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

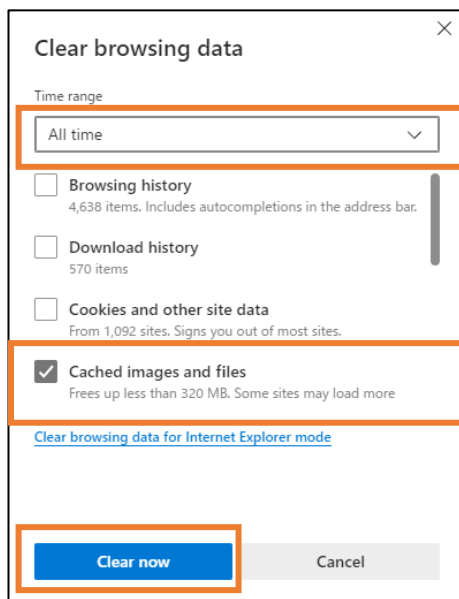1. Click the menu button … at the top right of the Microsoft Edge screen and select "Settings".
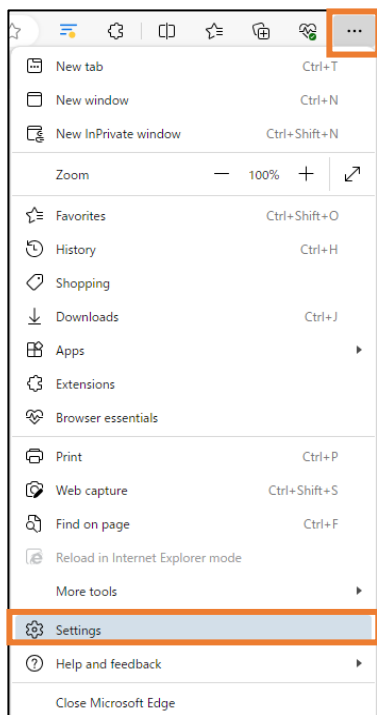
2. On the Microsoft Edge settings screen, select "Privacy, search, and services" and click "Choose what to clear" under "Clear browsing data."
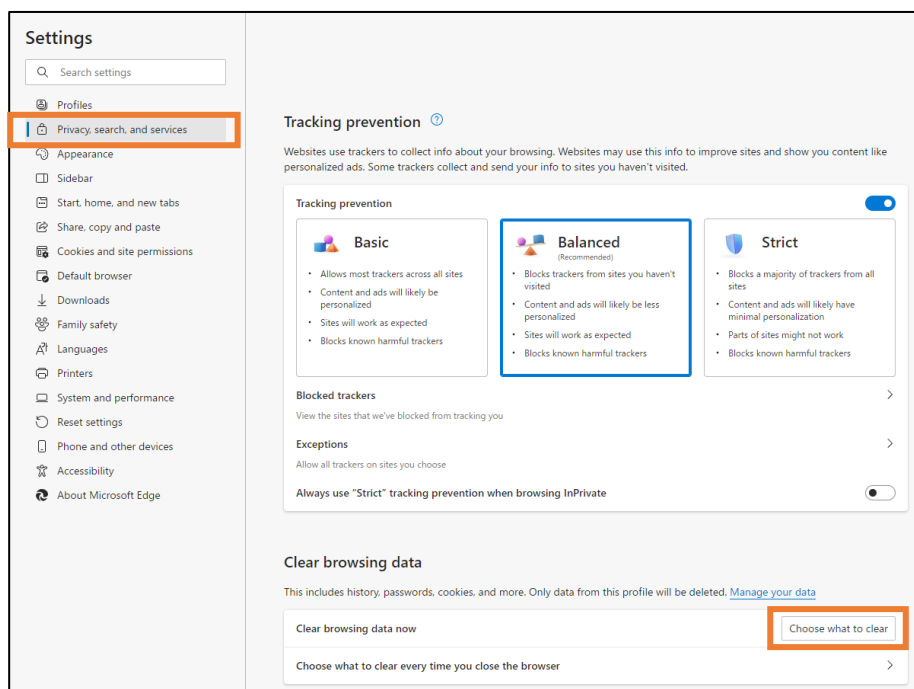
3. On the "Clear browsing data" screen, configure the following settings and click the "Clear data" button to clear the cache.

   Time range: All time

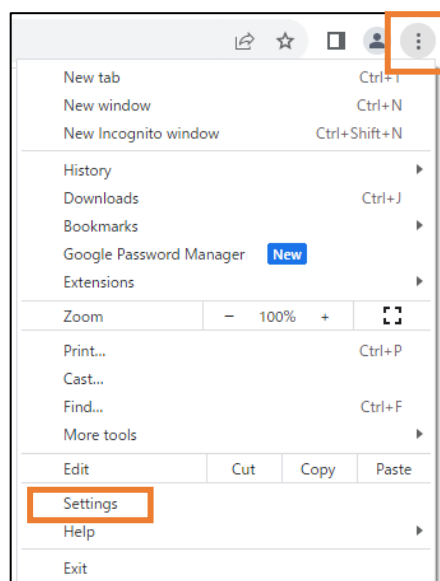   Cached images and files: Check ON

<NOTE>

   The above procedure for clearing the cache is for Microsoft Edge version 120.0.2210.121.
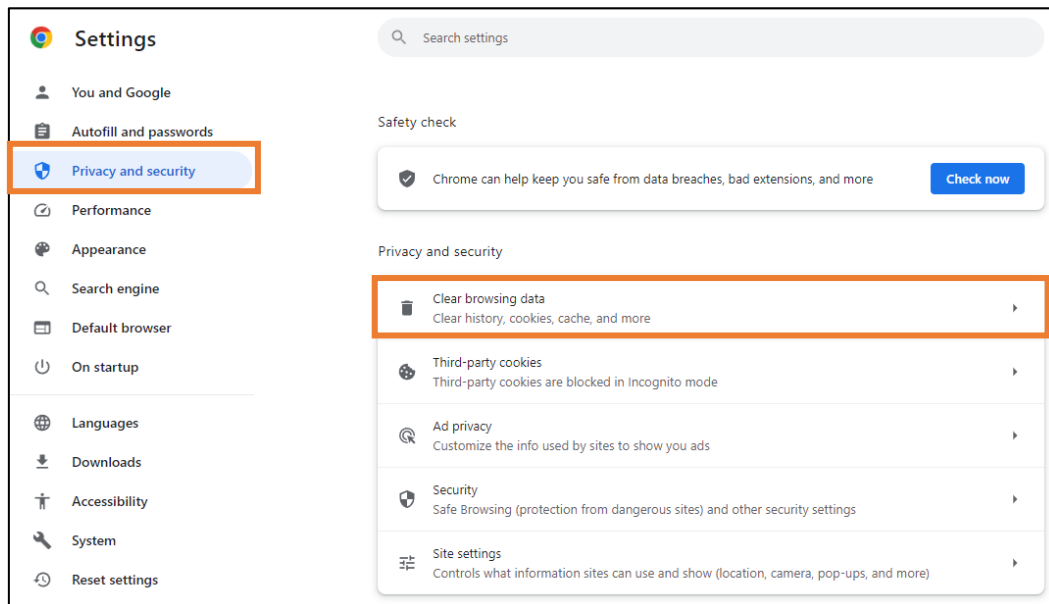
   The display may differ depending on the version of Microsoft Edge.

Steps to clear Google Chrome cache

1. Click the menu button ⋮ at the top right of the Google Chrome screen and select "Settings".
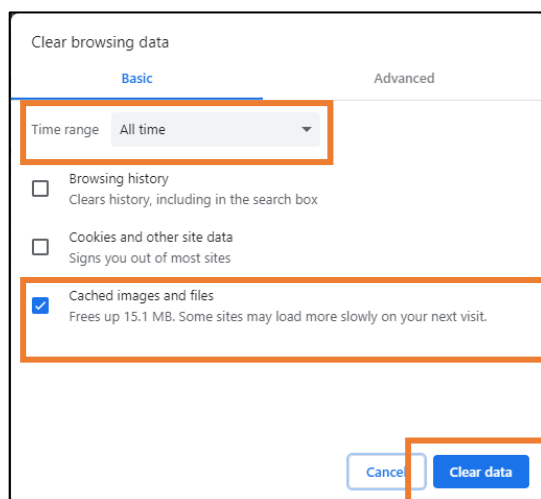
2. On the Google Chrome settings screen, select "Privacy and security" and then "Clear browsing data."

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

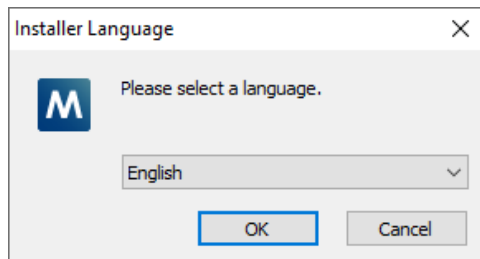Cached images and files: Check ON

<NOTE>

The above procedure for clearing the cache is for Google Chrome version 119.0.6045.123.
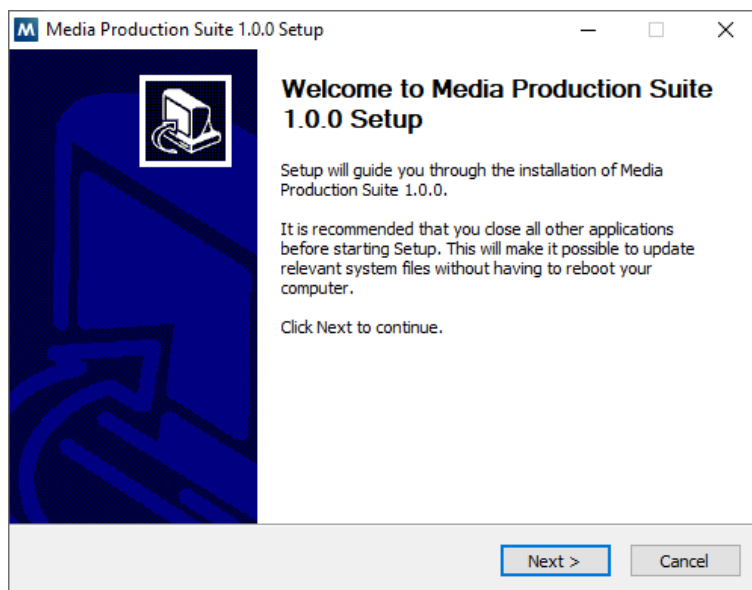
The display may differ depending on the version of Google Chrome.
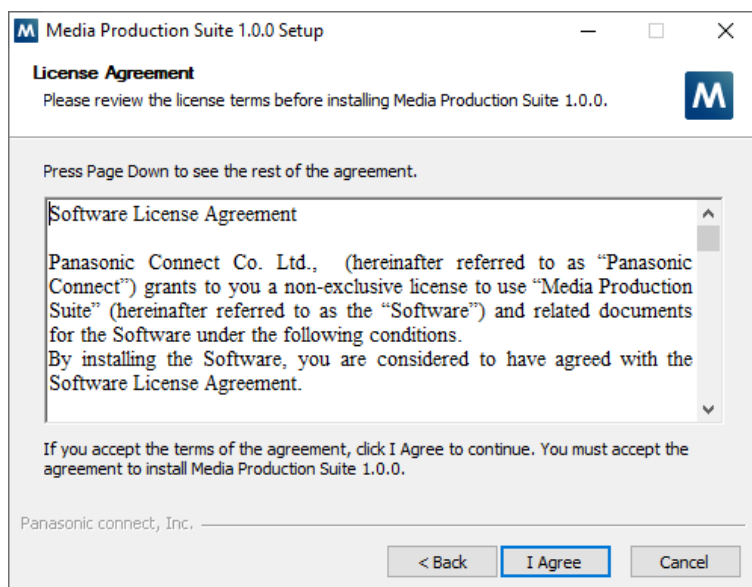
Software Installation Procedure

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

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.

4. The runtime required to run the software will be installed.

Depending on the state of your PC, your PC may be restarted after the runtime installation.

If your PC is restarted, please run the installer again after the restart.
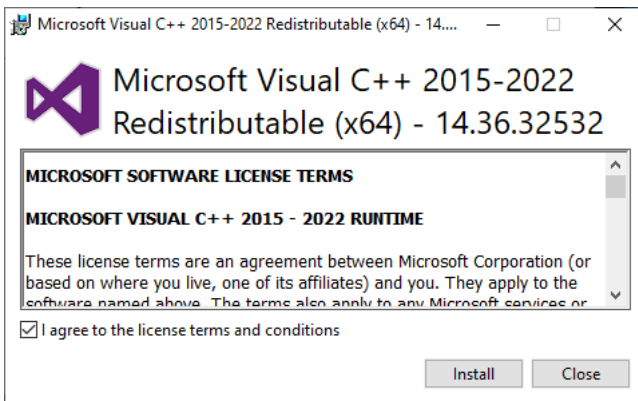
5. The installation will proceed.

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

(Erlang OTP, RabbitMQ, PostgreSQL) will also be installed.
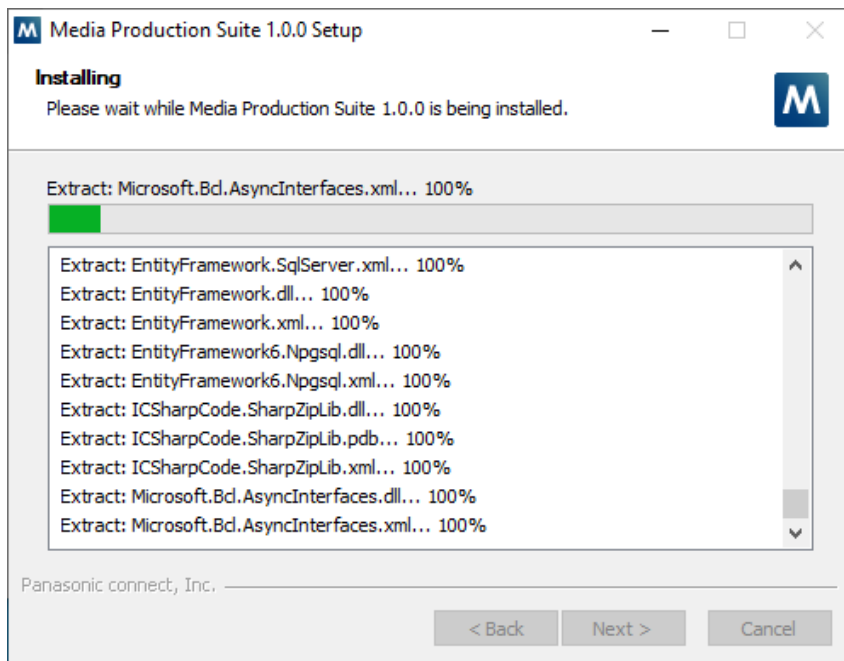
6. If PostgreSQL is not installed, PostgreSQL installation will start automatically.

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

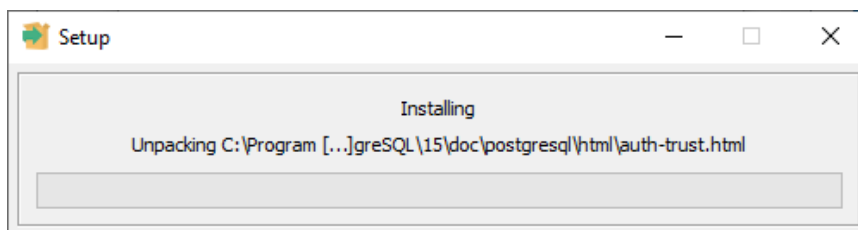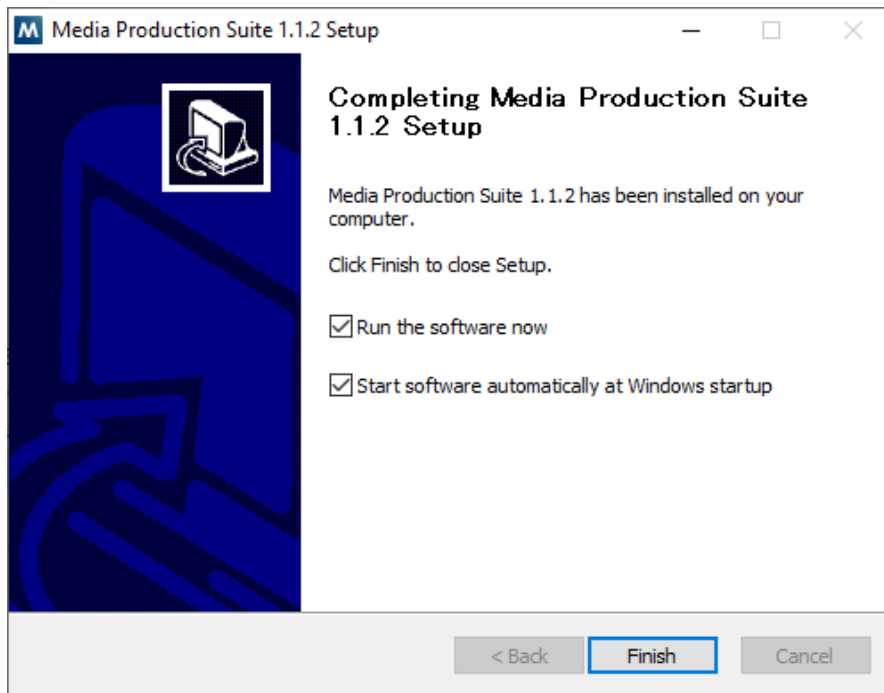7. After installation, the following screen will be displayed.

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.

Click the "Finish" button to finish the installation.

If "Run the software now" is checked, the Media Production Suite software will start up after installation is complete, and an icon will appear in the task tray and an administration window will appear on the desktop.

For further operations, please refer to "Software Startup and Exit".

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".
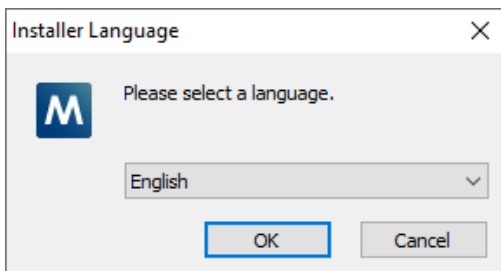
6. A confirmation screen for uninstallation will be displayed, so click "Yes".
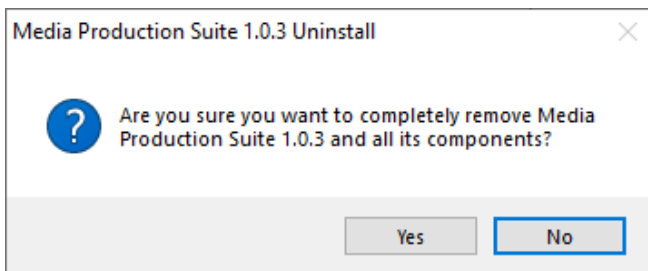
7. A confirmation screen will appear.
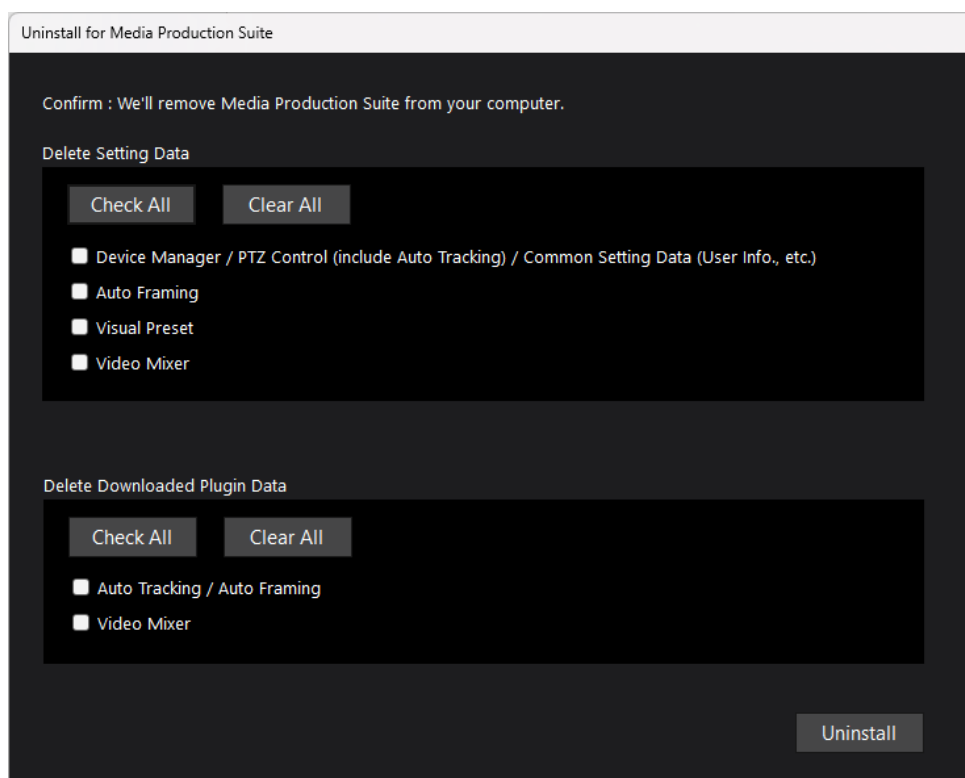
[Delete Setting Data]

・Device Manager/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 Manager 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.
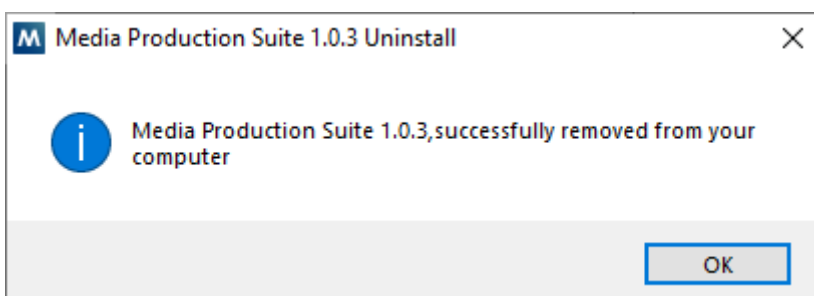
For Windows 11

   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 "Deactivating the License" in the Information function operating manual.

Software Startup and Exit

Software Startup

If you check "Start automatically at Windows startup" in step 6 of "Software Installation Procedure", this software will automatically start when Windows starts.

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.

When the software starts, the software icon will appear in the Windows task tray and the management window will appear on the desktop (if the management window display is turned on).

    - Software icon in task tray
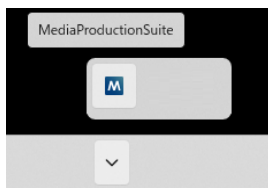
    - Management window
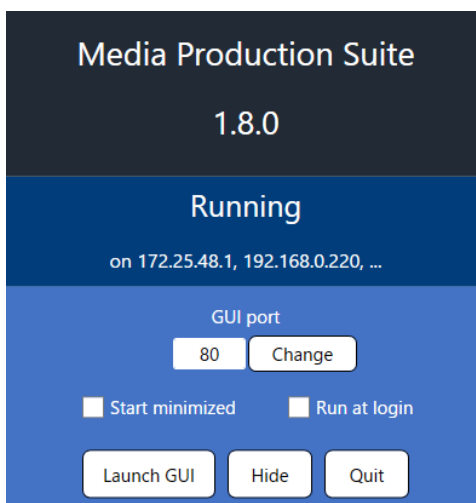
For information on how to operate the management window and how to display and operate the operation GUI, please refer to the "Software Use Flow" section.

Software Exit

To exit this software, please do one of the following.

- Right-click the icon of this software in the Windows task tray to display the menu and select [Quit].

- Click the "Quit" button in the software management window.
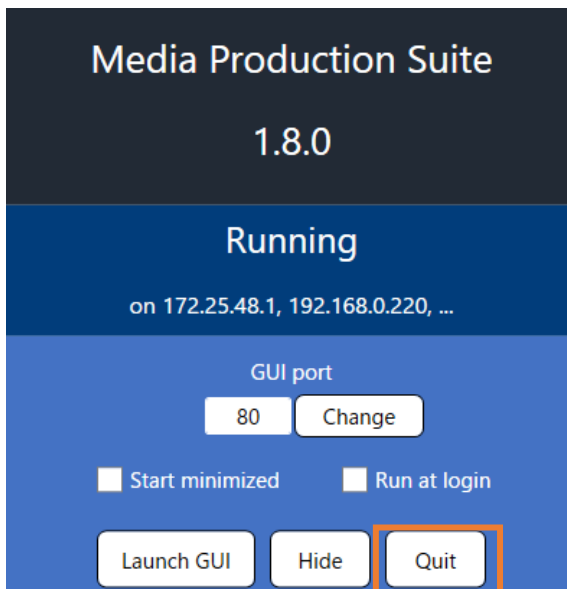
Software Use Flow

About the Management Window

By default, when you start the software, a management window will be displayed on the desktop.

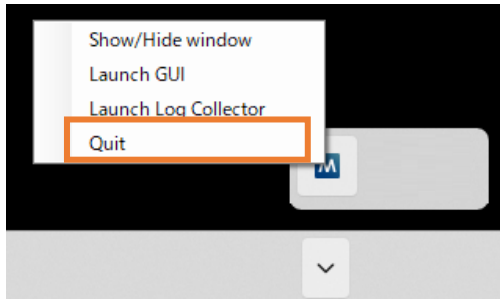The management window allows you to do the following:

- Check the software version and running status

- Set the port number to be used and startup operation settings

- Display the operation GUI

- Exit the software

How to display the management window

If the management window is not displayed, you can display it by following the procedure below.

- Right-click the software icon in the Windows task tray to display the menu and select [Show/Hide window].
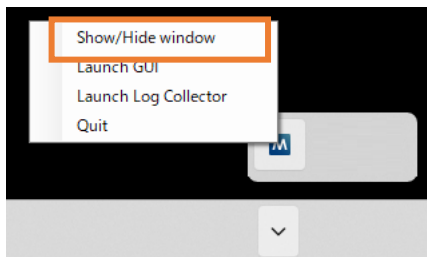
Explanation of the management window
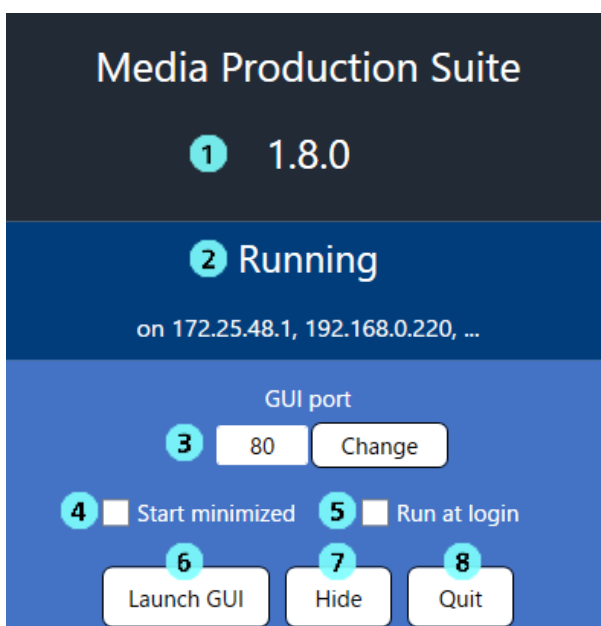
1. Version information display field

Displays the version of this software.

2. Status display field

Displays the running status of this software.

- Display when operating normally

Status	Explanation
Starting Database Check	Software startup process in progress (connecting to database service)
Starting Receive Message	Software startup process in progress (connecting to message service)
Starting Activate Plugins	Software startup process in progress (internal module startup operation)
Running on *.*.*.*, *.*.*.*	Software is working properly on *.*.*.* will show the IP address of the PC's network adapter.

- Display when abnormal operations occur

Status	Explanation
Error GUI port is not available	The Apache service cannot start because the port number for operation GUI is unavailable. Change the port number in "3. Operation GUI port number setting field."
Starting Database service	The database service (PostgreSQL) required to run this software has not started, so it is currently starting up. If it starts up successfully, it will move on to normal operation. If it cannot start up successfully for some reason, the following Fail message will be displayed.
Starting Message service	The message service (RabbitMQ) required to run this software has not started, so it is currently starting up. If it starts up successfully, it will move on to normal operation. If it cannot start up successfully for some reason, the following Fail message will be displayed.
Starting Receive Message *	The message service (RabbitMQ) required to run this software failed to start, and a retry is being performed. The * at the end indicates the number of retries. If the software starts successfully, it will move on to normal operation. If the software cannot start successfully for some reason, the following Fail message will be displayed.
Starting GUI service	The Apache service required to run this software has not started, so it is currently starting up. If it starts up successfully, it will move on to normal operation. If it cannot start up successfully for some reason, the following Fail message will be displayed.

Fail *******	An abnormality has occurred in the operation of this software for some reason. Refer to <u>Collecting operation logs of this software</u> in this manual to acquire the operation log, then contact our service department.

3. Operation GUI port number setting field

Set the port number to be used when displaying the operation GUI in a web browser.

Enter the port number in the numeric input field and click the Change button to set the port number.

<NOTE>

The following port numbers cannot be used:

1337, 1338, 1437, 2000 ~ 2010, 5672, 8756, 10160, 15672, 20060

In addition to the above, there may be port numbers that cannot be used due to web browser restrictions.

If a port number is unavailable, the status display field will show Error when you click the Change button, so please change to another port number.

4. Management window display settings field

This sets whether or not to display the management window when this software starts.

Checked: The management window will not be displayed when this software starts.

Checked: The management window will be displayed when this software starts.

5. Software automatic startup settings field when logging into Windows

Select whether or not this software will start automatically when you log into Windows.

Checked: The software will start automatically when you log into Windows.

Checked: The software will not start automatically when you log into Windows.

6. Operation GUI display button

Click the button to display the operation GUI in the OS's default web browser.

7. Management window hide button

Click the button to hide the management window.

8. Software exit button

Click the button to exit this software.

Displaying the operation GUI

This software is operated by displaying the operation GUI on a web browser.

As long as it is on the same network as the installed PC, you can access the operation GUI using a web browser from another PC and operate it remotely.
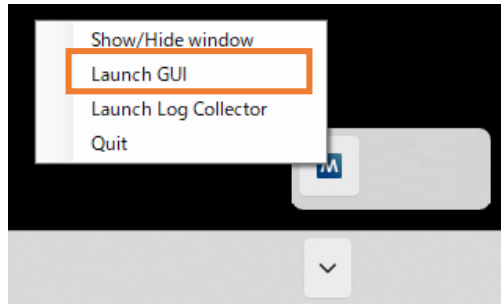
The operation GUI is displayed with the following procedure.

For install PC

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

You can display the operation GUI from one of the following operations:

- Right-click on the icon of this software in the Windows task tray to display the menu and select "Launch GUI".

- Click the "Launch GUI" button in the software's management window.
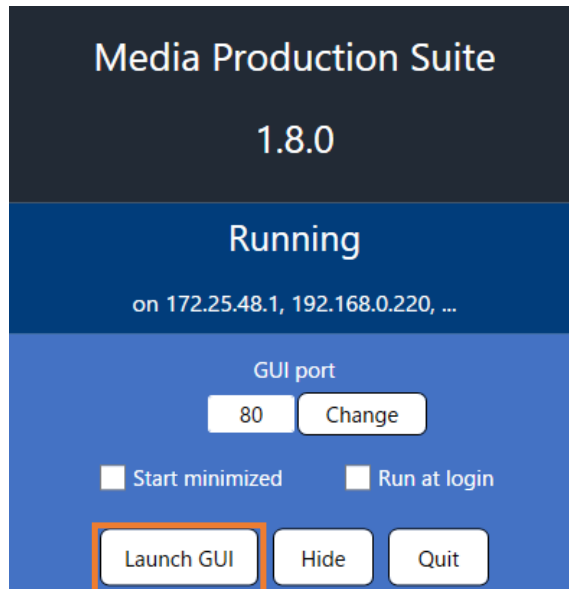
- When the OS default web browser is other than Microsoft Edge or Google Chrome

    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/

    If the GUI port number is set to something other than 80, you must specify the port number.

    (Example: 8080) http://localhost:8080/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)

    If the GUI port number is set to something other than 80, you must specify the port number.

    (Example: 8080) http://192.168.0.200:8080/MediaProductionSuite/Base

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

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

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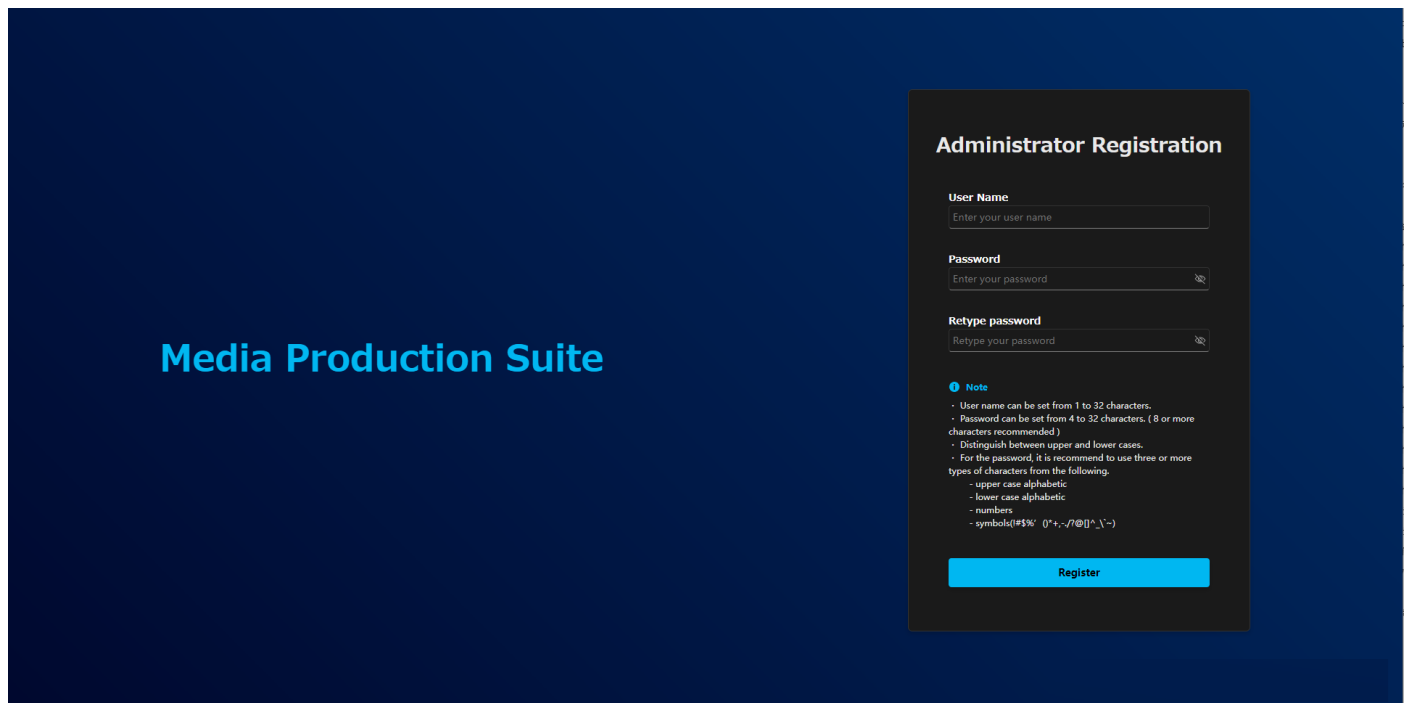
When the Login screen is displayed:

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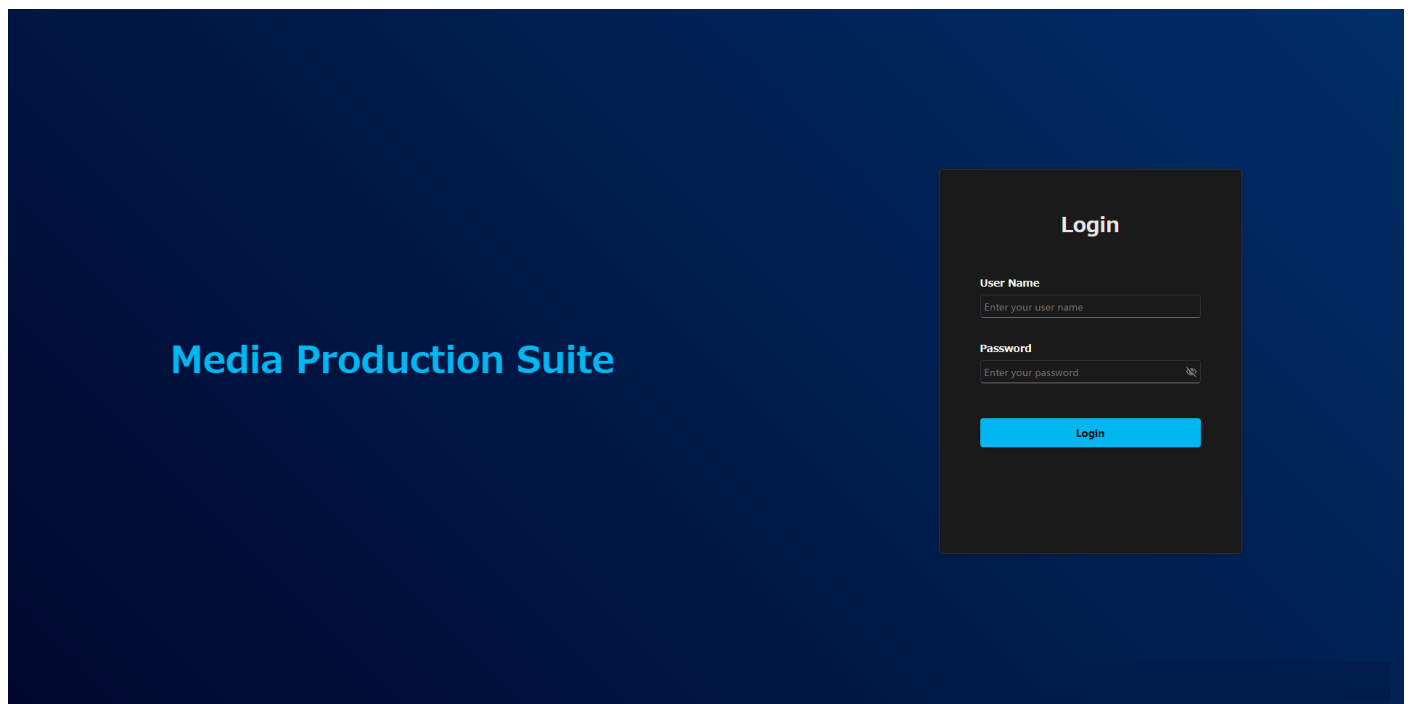
Account information can be changed with the Setting function. For details, refer to the Setting function operation manual. To display the Setting function operation manual, click the [Help] button and select [Setting] from the menu.

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.

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 Manager function. For details, refer to the Device Manager function operation manual.

To display the Device Manager function operation manual, click the [Help] button and select [Device Manager] from the menu.

Device Operation

Registered devices can be operated from this software.

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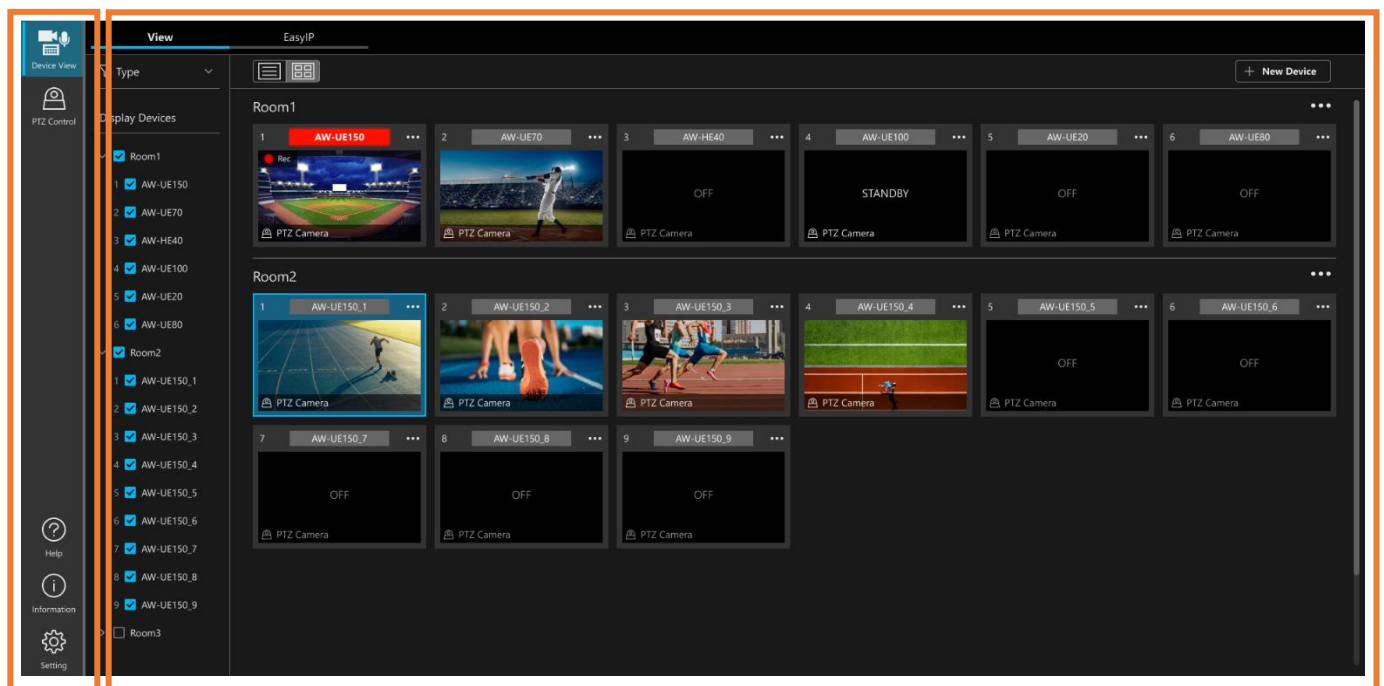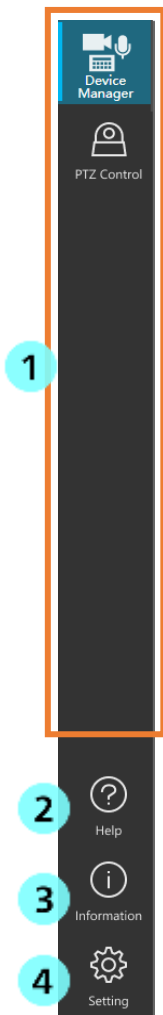

Function selection area   Operation screen area

• Operation screen area

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

• Function selection area

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 Manager] and [PTZ Control] buttons will be displayed and those functions will be useable.

If a compatible PTZ 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 Manager button

Clicking the button will change the Operation screen to the Device Manager function screen. The Device Manager 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 Manager function operation manual displayed when clicking the [Help] button and selecting [Device Manager] 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 PTZ cameras. From this screen, you can pan, tilt and zoom PTZ 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 PTZ 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 Manager: Displays the operation manual for the Device Manager 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.

Administrative tools

## Collecting operation logs of this software

You can collect operation logs of this software using the log collection tool included with this software.

Please use this tool when making inquiries about software not starting up properly.
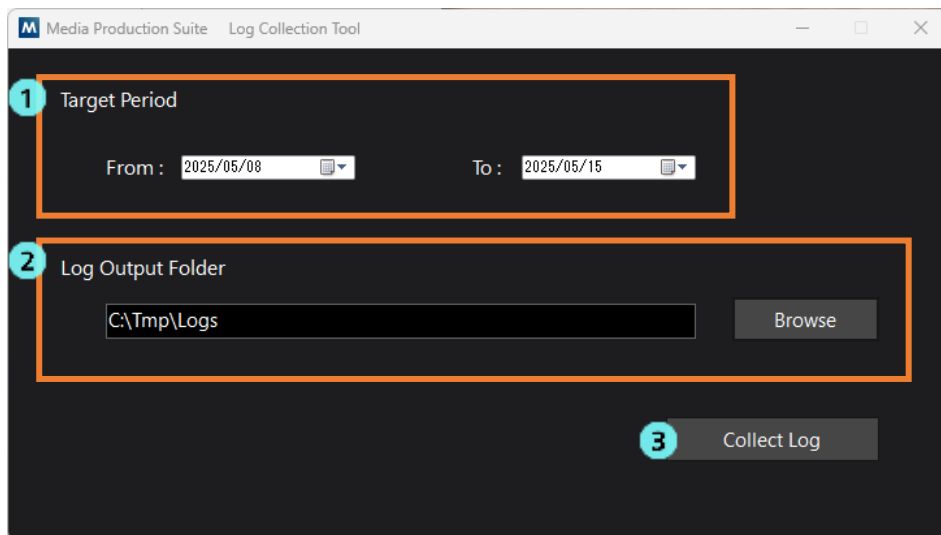
Procedure for starting the log collection tool

You can launch the log collection tool with the following procedure.

- Right-click the software icon in the Windows task tray to display the menu and select [Launch Log Collector].
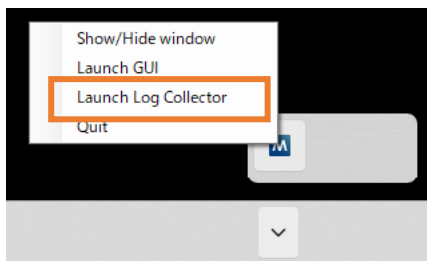
How to use the log collection tool

1. Use the From and To calendars in the Target Period field to set the period during which logs will be output.
2. Click the Browse button in the Log Output Folder field to set the log output folder.
3. Clicking the Collect Log button will output a zip file of log files.

   The log file will be named "MPS_Log_[YYYYMMDD]_[HHMMSS].zip".

   *The [YYYYMMDD] part is the date when the log collection was performed, and the [HHMMSS] part is the time when the log collection was performed.

Software Information Related to This Software

The license information for the OSS used by this software is listed in the following file.

C:¥Program Files¥Panasonic¥MediaProductionSuite¥OSS_License.pdf