

# 統合ソフトウェア 操作説明書（基本要素）

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# はじめに

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## 概要

・本ソフトウェアは、当社製の各種ソフトウェアを統合するソフトウェアプラットフォームです。無償機能並びに有償機能があり（随時提供予定）、各機能を単機能で使用するだけでなく、組み合わせることでより効率化された使いやすいオペレーションを実現することが可能となります。

・本ソフトウェアをインストールするとソフトウェアプラットフォームと同時に以下の無償機能が利用可能となります。

- Device View 機能（デバイスを管理するための機能）
  - デバイスの登録／編集／削除
  - デバイスの情報表示
  - デバイスの電源管理
  - ネットワーク上のカメラの自動検出
  - カメラのネットワーク設定
  - カメラのファームウェアアップデート
  - カメラの管理者一括登録
  - カメラの NDI|HX／SMPTE ST 2110 アクティベーション
- PTZ Control 制御機能（リモートカメラ制御機能）
  - カメラの Pan/Tilt/Zoom 制御
  - カメラのプリセット登録／呼び出し／削除、プリセット速度設定
  - カメラの画質調整
  - 自動追尾機能制御(対応の自動追尾機能内蔵カメラのみ)
  - カメラの Power ON／Standby 制御

・ソフトウェア上で有償機能のアクティベーションを行うことで有償機能を使用することが可能となります。

・無償機能、有償機能すべてがサーバー運用に対応しているため、同一ネットワーク上の端末の Web ブラウザで GUI を表示して操作を行うことが可能です。

・本ソフトウェアの機能を制御するための外部 API を用意。外部システムと連携したより効率的なシステム構築が可能です。 ※ソフトウェアアップデートで提供予定

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## 動作環境

本ソフトウェアを使用するには以下の環境が必要です。

### ■インストール PC

- ・ OS
  - Windows Server 2022
  - Windows 11
  - Windows 10 64bit (バージョン 21H2 以降)
- ・ ハードウェア
  - CPU : Intel Core 第7世代 (Kaby Lake) 以降
  - メモリ : 8GB 以上
  - ディスプレイ : 1920x1080 以上
  - ストレージ : 2GB 以上の空き容量
- ・ ソフトウェア
  - Web ブラウザ : Microsoft Edge, Google Chrome \*

※インストール PC のハードウェア環境は無償機能を使用するときのものです。

有償機能を使用するときのハードウェア環境は、各有償機能の説明書に記載の動作環境を参照ください。

※インストール PC の Windows OS は C ドライブにインストールされた状態でご使用ください。

### ■クライアント (ブラウザ端末)

- ・ OS
  - Windows 11
  - Windows 10 64bit (バージョン 21H2 以降)
  - macOS 13 (Ventura) 以降
  - iPad OS 16 以降
- ・ ハードウェア
  - ディスプレイ : 1920x1080 以上 (iPad 以外)
- ・ ソフトウェア
  - Web ブラウザ : Microsoft Edge, Google Chrome \*

### <NOTE>

\* Google Chrome を使用される場合は、Google LLC のサイトからダウンロードして、インストールしてください。

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## サポート対象デバイス

本ソフトウェアがサポートするデバイスは以下の製品です（2024年1月時点）

■パナソニックコネクト製 ネットワーク対応カメラ

PTZ カメラ

- ・ AW-UE160/163
- ・ AW-UE150/155
- ・ AW-UE100
- ・ AW-UE80/83
- ・ AW-UE50/53
- ・ AW-UE40/43
- ・ AW-UE70/AW-UN70
- ・ AW-UE20
- ・ AW-UE4
- ・ AW-HE145
- ・ AW-HE70/AW-HN70
- ・ AW-HE65/AW-HN65
- ・ AW-HE42/AW-HE68/AW-HE75
- ・ AW-HE40/AW-HN40
- ・ AW-HE20
- ・ AW-UR100
- ・ AW-HR140

<NOTE>

- ・ 最新の対応機種は下記 Web サイトの本ソフトウェア商品ページをご確認ください。

日本語：[https://connect.panasonic.com/jp-ja/products-services\\_proav](https://connect.panasonic.com/jp-ja/products-services_proav)

英語：<https://pro-av.panasonic.net/en/>

- ・ デバイスのファームウェアは最新版にしてご使用ください。ファームウェアは上記 Web サイトからダウンロードすることができます。

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## ネットワーク／セキュリティに関するお願い

本ソフトウェアはPCをネットワークに接続して使用するため、以下のような被害を受けることが考えられます。

- ・PCを経由した情報の漏洩や流出
- ・悪意を持った第三者によるPC／本ソフトウェアの不正操作
- ・悪意を持った第三者によるPC／本ソフトウェアの妨害や停止

このような被害を防ぐため、お客様の責任の下、下記のような対策も含め、ネットワークセキュリティ対策を十分に行ってください。これらの被害について当社は一切の責任を負いかねますので、あらかじめご了承ください。

- ・ファイアウォールなどを使用し、安全性の確保されたネットワーク上でPCを使用する。
- ・PC上でコンピューターウイルスや不正プログラムの感染に対するチェックや駆除が定期的に行われていることを確認する。
- ・PCを不正な攻撃から守るため、PCにはパスワードを設定し、ログインできるユーザーを制限する。
- ・PCは第三者が容易にアクセスできる場所には設置せず、盗難防止対策を実施する。

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## デバイスとの接続に関する制約事項

- ・サーバーPCとリモートカメラ等のデバイスを接続するネットワークは、同一セグメントを推奨します。セグメントが異なる接続を行う場合は、ネットワーク機器固有の設定などに依存した事象が起きる可能性がありますので、運用開始前に十分確認を行ってください。
- ・サーバーPCとリモートカメラ等のデバイスを接続するネットワークは有線接続を推奨します。無線接続の場合、本ソフトウェアの画面の描画が遅くなったり、操作に対する反応が遅くなったりすることがあります。
- ・リモートカメラはHTTP接続設定で接続してください。HTTPS接続はサポートしていません。

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## 本ファイルの記載について

- ・本ファイル内のイラストや画面表示は、実際と異なる場合があります。
- ・本ファイルでは、パーソナルコンピュータを「PC」と記載しています。

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## 登録および登録商標について

- ・ Microsoft、Windows、Microsoft Edge は米国 Microsoft Corporation の、米国、日本およびその他の国における登録商標です。
- ・ Apple、Mac、macOS、iPadOS、iPhone、iPad、Safari は、米国およびその他の国で登録された Apple Inc. の商標です。
- ・ Android、Chrome ブラウザは Google LLC の商標です。
- ・ Intel、Intel Core は、アメリカ合衆国およびその他の国におけるインテルコーポレーションまたはその子会社の商標または登録商標です。



# ソフトウェアのインストール

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## 自動追尾ソフトウェアがインストールされている PC の注意事項

本ソフトウェアは自動追尾ソフトウェア AW-SF200 / AW-SF100 Web ver. がインストールされている PC 上では実行できません (AW-SF100 Standalone ver. は問題ありません)。

自動追尾ソフトウェア AW-SF200 / AW-SF100 Web ver. がインストールされている PC に本ソフトウェアをインストールする場合は、以下の手順で自動追尾ソフトウェアをアンインストールしてください。

1. Windows の [アプリと機能] 画面を開きます。  
[スタート]  を選択し、[設定]  > [アプリ > アプリ&機能] を選択
2. [Node.js] を選択してアンインストールします。
3. [PostgreSQL 11] を選択してアンインストールします。
4. [Panasonic Auto Tracking Server] を選択してアンインストールします。
5. PC を再起動します。

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## インストール時の注意事項

- ・インストールには管理者 (Administrator) 権限が必要です。管理者権限を持つ Windows アカウントでインストールを行ってください。
- ・インストール中に Windows のユーザーアカウント制御の確認が表示された場合は「はい」をクリックして処理を続行してください。

# 新しいバージョンにアップデートインストールを行う場合

本ソフトウェアを新しいバージョンにアップデートインストールする場合、古いバージョンの事前アンインストールは不要です。新しいバージョンのインストールを行うと自動でソフトウェアが更新されます。

アップデートインストール後、新しいバージョンのソフトウェアを使用する前に Web ブラウザのキャッシュクリアを行ってください。キャッシュクリアを行わずに新しいバージョンを実行した場合、誤動作が発生することがあります。

## ■Microsoft Edge のキャッシュクリア手順

1. Microsoft Edge 画面右上のメニューボタン…をクリックして「設定」を選択します。



2. 設定画面で「プライバシー、検索、サービス」→「閲覧履歴データをクリア」の「クリアするデータの選択」をクリックします。



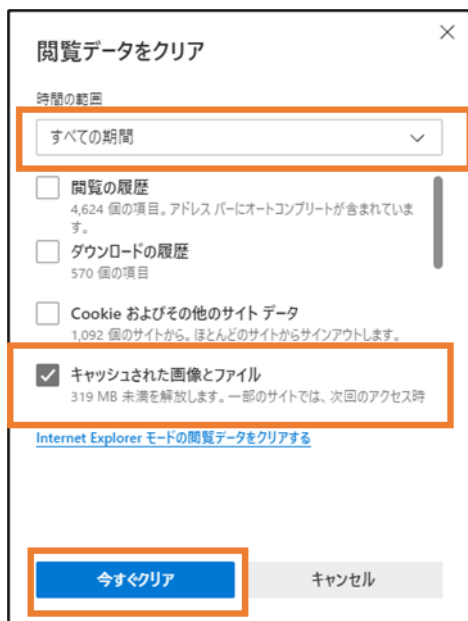


### 3. 「閲覧データをクリア」画面で

時間の範囲：すべての期間

キャッシュされた画像とファイル：チェックを ON


に設定して「今すぐクリア」ボタンをクリックすると、キャッシュクリアが行われます。



#### <NOTE>

- ・上記キャッシュクリアの手順は Microsoft Edge のバージョン 120.0.2210.121 の場合の手順です。Microsoft Edge のバージョンによっては、表示などが異なる場合があります。

## ■Google Chrome のキャッシュクリア手順

1. Google Chrome 画面右上のメニューボタン  をクリックして「設定」を選択します。



2. Google Chrome の設定画面で「プライバシーとセキュリティ」→「閲覧履歴データの削除」を選択します。



### 3. 「閲覧履歴データの削除」画面で

期間：全期間を選択

キャッシュされた画像とファイル：チェックを ON

に設定して「データを削除」ボタンをクリックすると、キャッシュクリアが行われます。

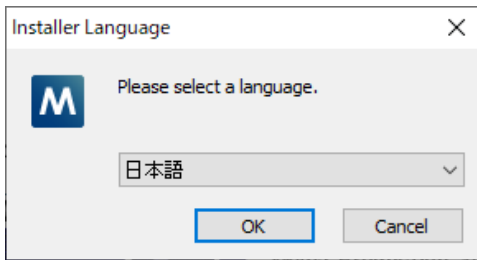


#### <NOTE>

- ・上記キャッシュクリアの手順は Google Chrome のバージョン 119.0.6045.123 の場合の手順です。Google Chrome のバージョンによっては、表示などが異なる場合があります。

## ソフトウェアのインストール手順

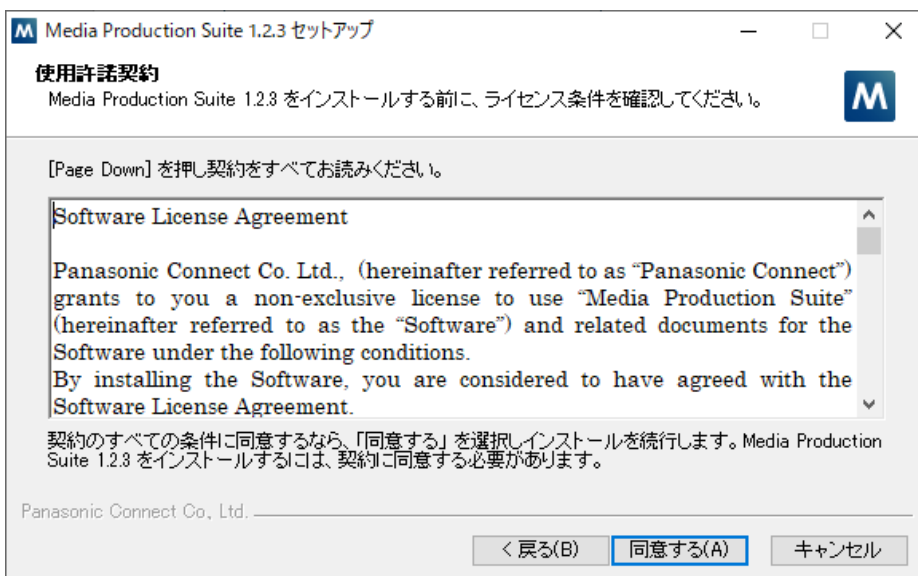
1. Setup.exe をダブルクリックするとインストーラーが実行されます。使用する言語を選択して「OK」をクリックします。



2. セットアップへようこそ画面が表示されます。バージョンに問題ないか、他のアプリケーションが立ち上がっていないか確認し問題なければ「次へ」ボタンをクリックして処理を続行します。

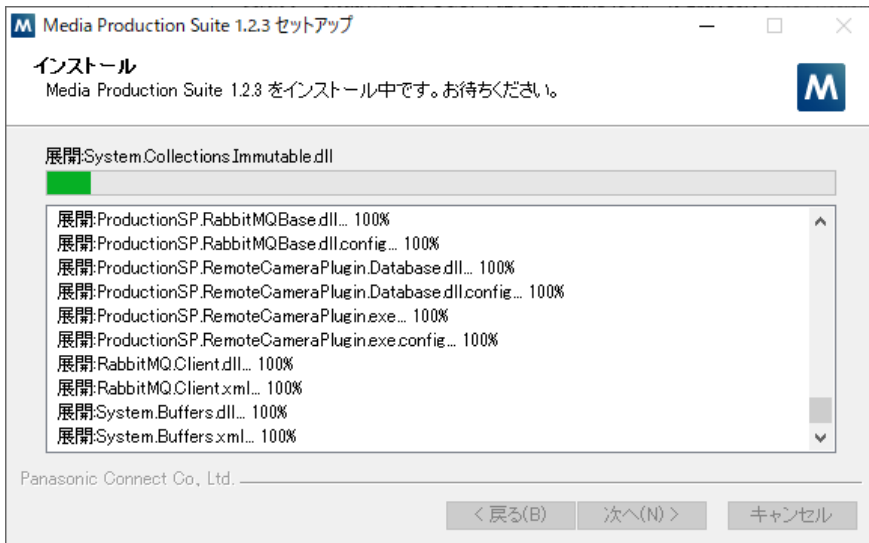


3. 使用許諾書が表示されますので、内容をご確認頂き、問題がない場合は「同意する」をクリックします。

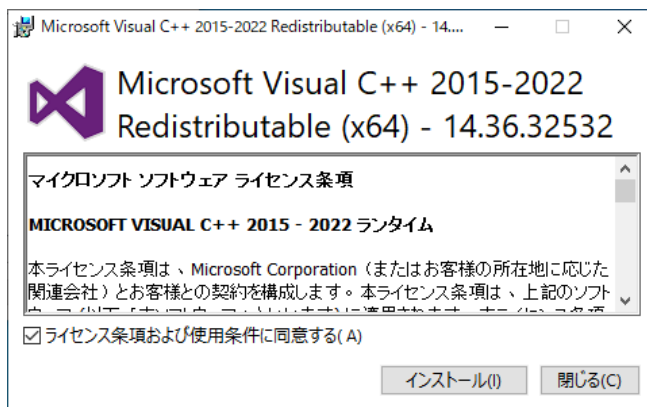


#### 4. インストールが開始されます。

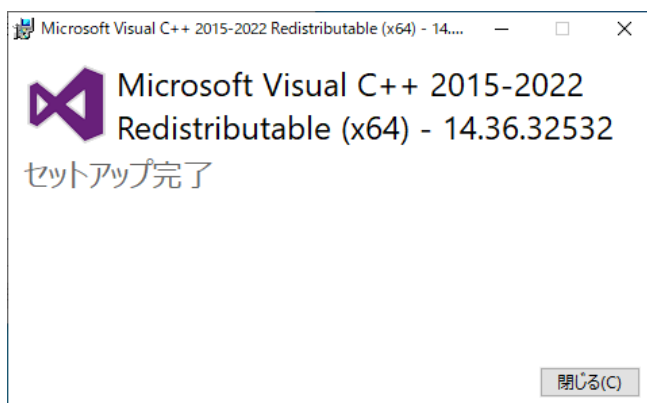
本ソフトウェアを初めてインストールする場合は実行に必要なソフトウェア（Node.js, Erlang OTP, RabbitMQ, PostgreSQL）のインストールも行われますので、完了まで時間を要する場合があります。また、ファイルのコピーなどでインストールが停止したように見える場合がありますが、完了までお待ちください。



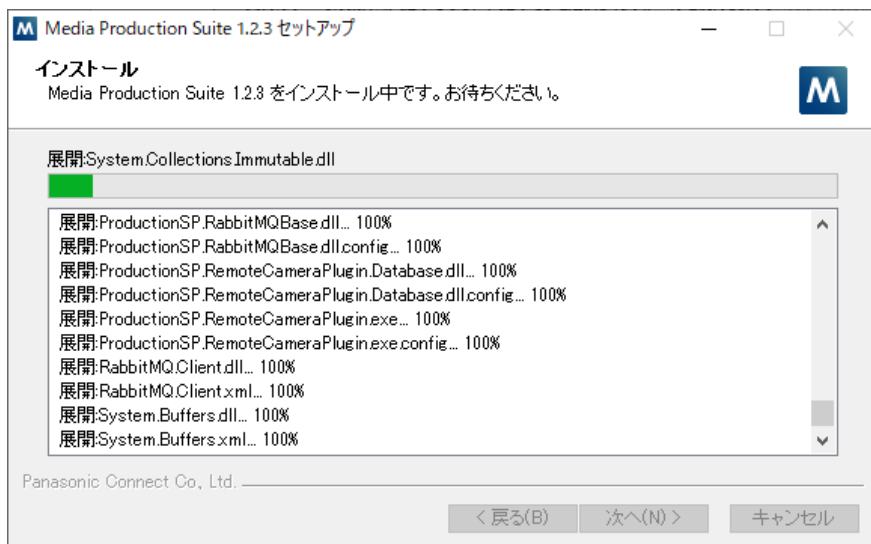
5-1. インストール中、ソフトウェアの実行に必要なランタイムがインストールされていない場合はランタイムのインストーラー画面が表示されますので、「ライセンス条項および使用条件に同意する」にチェックを入れて「インストール」をクリックします。



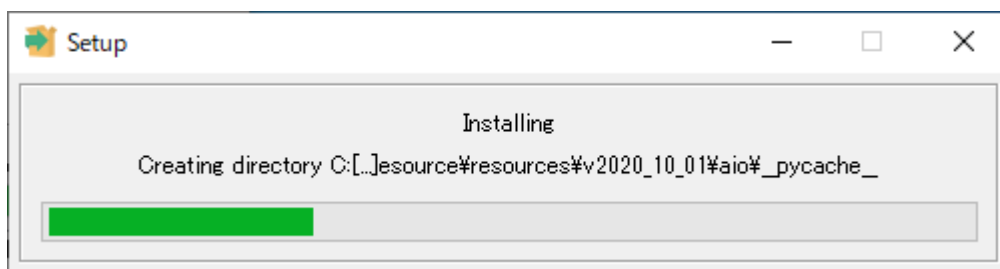
5-2. ランタイムのインストールが完了すると以下の画面が表示されますので、「閉じる」をクリックします。



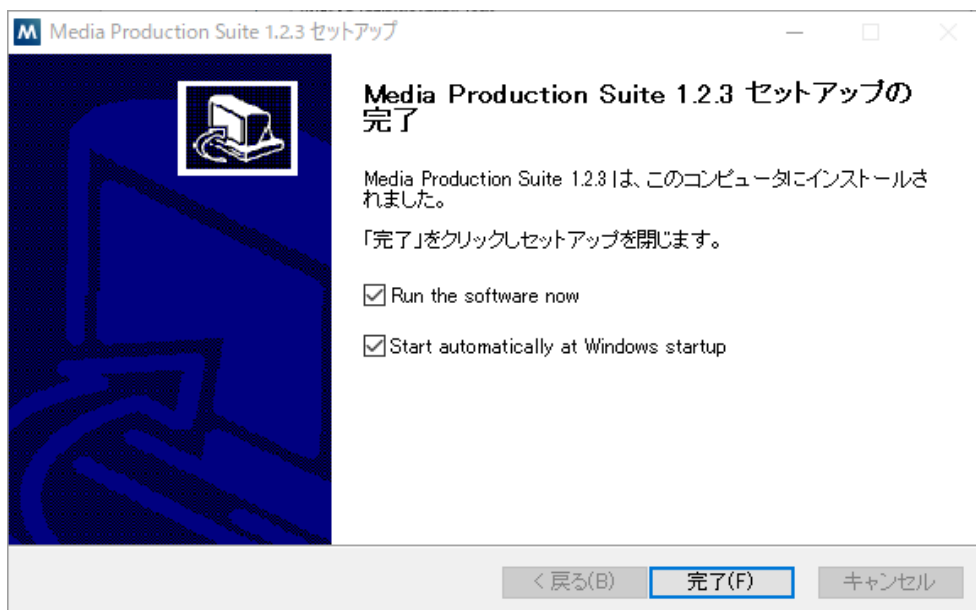
6. インストールが再開され、ファイルのコピーが行われます。



7. PostgreSQL がインストールされていない場合、PostgreSQL のインストールが自動で開始されます。PostgreSQL が既にインストールされている場合は PostgreSQL のインストールは開始されません。



8. インストール完了後、以下の画面が表示されます。



「Run the software now」のチェックで、インストール完了後に本ソフトウェアを起動するかどうかを選択します。

チェック ON：インストール完了後、本ソフトウェアがバックグラウンドで起動します。

チェック OFF：インストール完了後、本ソフトウェアを起動しません。

「Start automatically at Windows startup」のチェックで、Windows 起動時に本ソフトウェアが自動起動するかどうかを選択します。

チェック ON：Windows 起動時に本ソフトウェアがバックグラウンドで自動起動します。

チェック OFF：Windows 起動時に本ソフトウェアが自動起動しません。

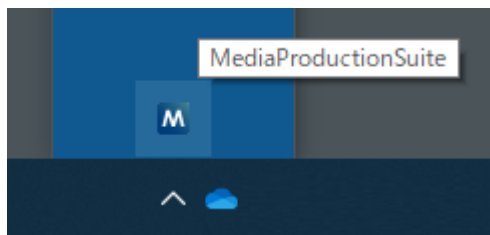
チェック OFF（自動起動しない）を選択した場合、Windows 起動後、本書の「ソフトウェアの起動」に記載の手順に従ってソフトウェアを手動で起動する必要があります。チェック OFF（自動起動しない）を選択した後にチェック ON（自動起動する）へ変更したい場合は、本ソフトウェアを一度アンインストールした後、再度インストールを行ってください。

「完了」ボタンをクリックするとインストールを終了します。

以降の操作は「[ソフトウェアの起動と終了](#)」の項目を参照ください。

#### <NOTE>

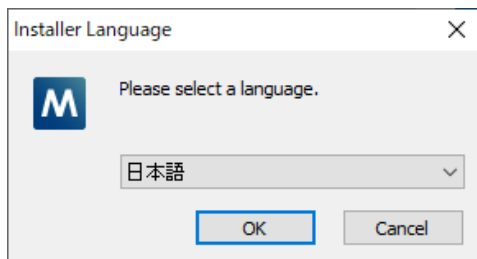
- ・「Run the software now」が ON の場合でも、インストール完了後に GUI 画面等は表示されません。タスクトレイ上に Media Production Suite ソフトウェアが起動されます。



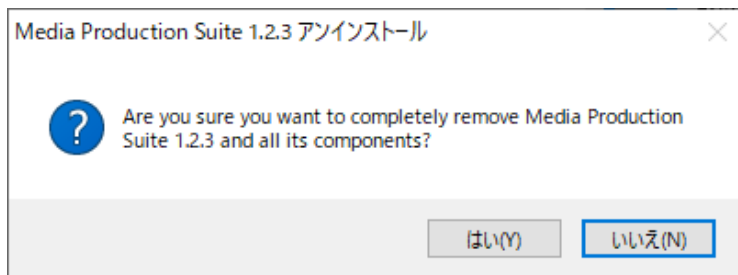
## ソフトウェアのアンインストール手順

### ■Windows10、Windows Server 2022 の場合

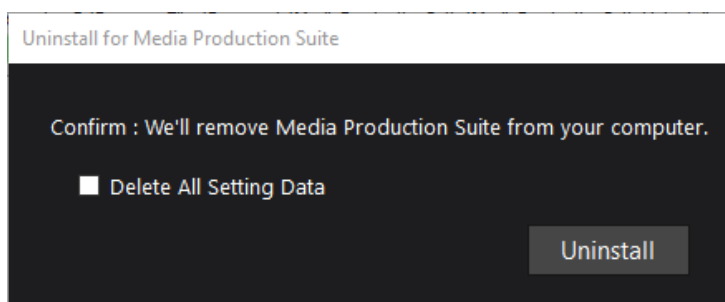
1. Windows タスクバーの Windows アイコンを右クリックして、表示されるメニュー内の「アプリと機能」を選択します。
2. 「アプリと機能」の画面で表示されるアプリの中から「Media Production Suite \*.\*.\* (\*.\*.\*の部分はインストールされたアプリのバージョン)」を選択して「アンインストール」をクリックします。
3. 「このアプリとその関連情報がアンインストールされます」の確認メッセージが表示されるので「アンインストール」をクリックします。
4. `uninst.exe` の実行確認画面が表示された場合は「はい」を選択します。
5. 言語確認画面が表示されるので、任意の言語を選択して「OK」をクリックします。



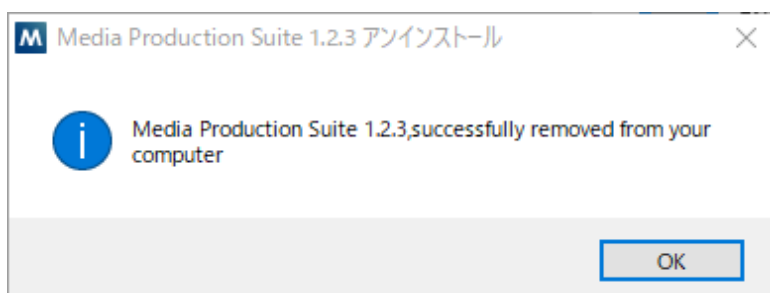
6. アンインストールの確認画面が表示されるので「はい」をクリックします。



7. 本ソフトウェアの設定データをすべて消去するかどうかの確認画面が表示されます。  
設定データを消去する場合は[Delete All Setting Data]のチェックを ON に、消去しない場合は[Delete All Setting Data]のチェックを OFF にして、[Uninstall]ボタンをクリックします。  
\*アクティベーションした有償プラグインのライセンスデータは消去されません。



8. アンインストールが実行されます。以下の画面が表示されればアンインストール完了です。



## ■Windows11 の場合

1. Windows タスクバーの Windows アイコンを右クリックして、表示されるメニュー内の「インストールされているアプリ」を選択します。
2. 「インストールされているアプリ」の画面で表示されるアプリの中から「Media Production Suite \*.\*.\*（\*.\*.\*の部分はインストールされたアプリのバージョン）」を選択して「アンインストール」をクリックします。
3. 以降の手順は上記「Windows10, Windows Server 2022 の場合」の手順 3.以降と同様です。

## <NOTE>

- ・ライセンスデータを別 PC に移動したい場合は、本ソフトウェアがインストールされている状態でディアクティベーションの手続きを行う必要があります。  
ディアクティベーションの手続きについては、Information 機能の操作説明書の「有償プラグインのディアクティベーションを行う」を参照ください。



# ソフトウェアの起動と終了

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## ソフトウェアの起動

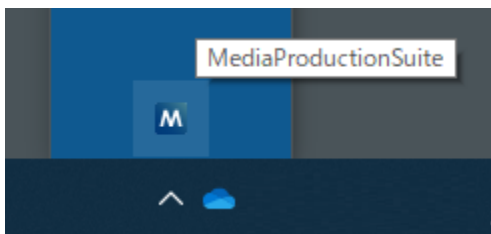
「ソフトウェアのインストール手順」の手順 8.で「Start automatically at Windows startup」のチェックを ON にした場合、本ソフトウェアは Windows の起動に合わせてバックグラウンドで自動起動されます。タスクトレイ上で Media Production Suite が起動していることをご確認ください。

「Start automatically at Windows startup」のチェックを OFF にした場合、本ソフトウェアは自動起動されませんので、以下の手順のいずれかで起動を行ってください。

- ・ Windows スタートメニューの「Media Production Suite」を開き、  
「Media Production Suite」ショートカットを選択
- ・ デスクトップの「Media Production Suite」ショートカットをダブルクリック

起動時に Windows 管理者権限の確認画面が表示されますので、OK をクリックして起動を許可してください。

起動すると Windows のタスクトレイに本ソフトウェアのアイコン  が表示されます。




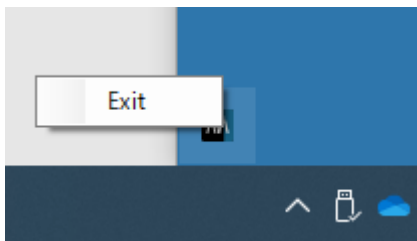
本ソフトウェアが起動しても、GUI 画面は表示されません。

GUI 画面表示および操作方法は「[ソフトウェアの利用の流れ](#)」の項目を参照ください。

---

## ソフトウェアの終了

本ソフトウェアを終了する場合は Windows のタスクトレイに表示されている本ソフトウェアのアイコン  を右クリックして表示されるメニューから [Exit] を選択してください。



# ソフトウェアの利用の流れ

---

## GUI 画面表示

本ソフトウェアに対する操作は Web ブラウザを使用します。Web ブラウザにてアクセスを行うことで Web ブラウザ上に GUI 画面が表示されます。インストール PC と同じネットワーク上であれば、別の PC から Web ブラウザを使用して GUI 画面にアクセスすることが可能です。

GUI 画面の表示は以下の手順で行います。

### ■インストール PC の場合

- ・ OS 既定の Web ブラウザが Microsoft Edge もしくは Google Chrome のとき

以下のいずれかのショートカットから OS 既定の Web ブラウザで GUI を表示できます。

- Windows スタートメニューの「Media Production Suite」 → 「GUI of Media Production Suite」
- デスクトップの「GUI of Media Production Suite」

- ・ OS 既定の Web ブラウザが Microsoft Edge もしくは Google Chrome 以外 のとき

1. Web ブラウザ (Microsoft Edge もしくは Google Chrome) を起動します。
2. Web ブラウザのアドレス欄に以下の URL を入力します。

<http://localhost/MediaProductionSuite/Base>

※GUI 表示後、ログイン画面をブックマークなどに登録することを推奨します。

### ■クライアント PC の場合

1. Web ブラウザ (Microsoft Edge もしくは Google Chrome) を起動します。
2. Web ブラウザのアドレス欄に以下の URL を入力します。

`http://[サーバーPCのIPアドレス]/MediaProductionSuite/Base/`

(例: `http://192.168.0.200/MediaProductionSuite/Base`)

※GUI 表示後、ログイン画面をブックマークなどに登録することを推奨します。

本ソフトウェアのインストール後、初期状態で GUI 画面を表示したときは本ソフトウェアの管理者アカウント登録画面が、管理者アカウント登録済の状態では本ソフトウェアのログイン画面が表示されます。

管理者アカウント登録画面が表示されたとき：

以降の「管理者アカウントの登録」の内容に従って管理者アカウントの登録を行ってください。

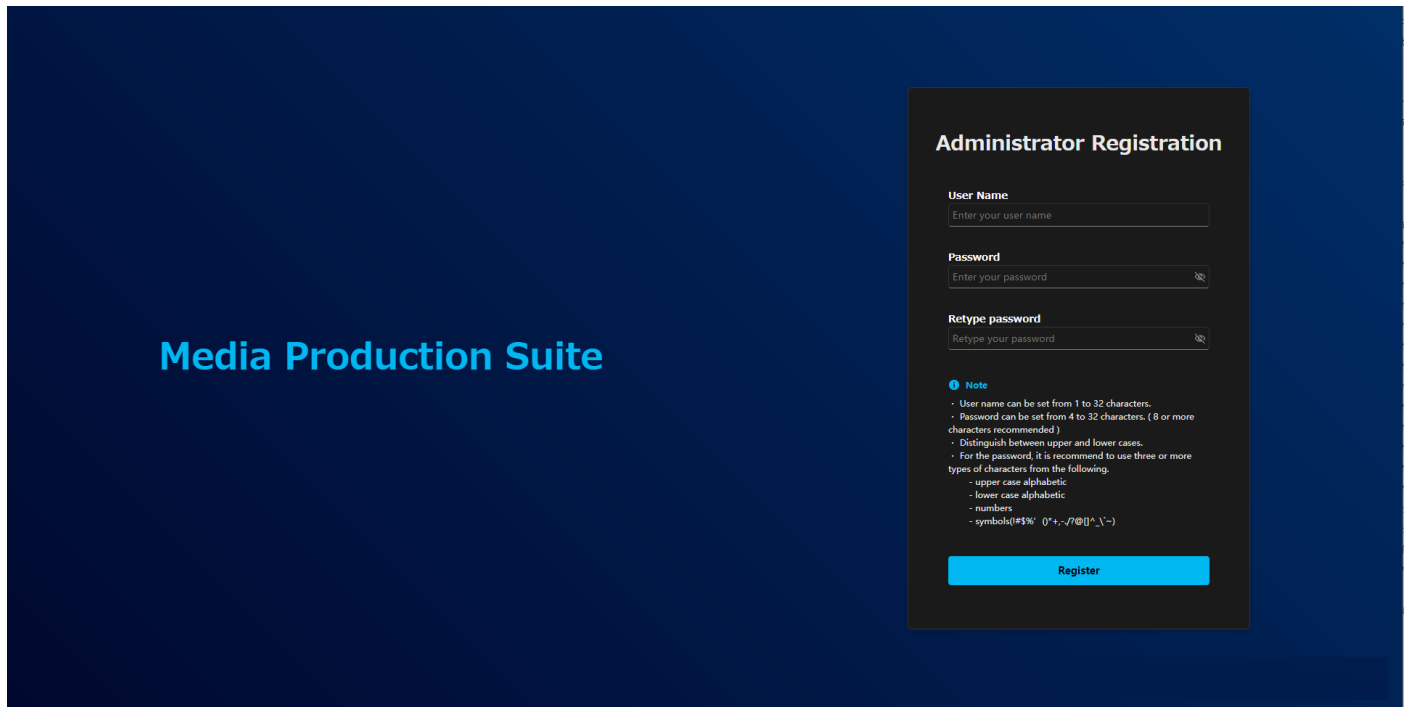
ログイン画面が表示されたとき：

以降の「ログイン操作」の内容に従ってログインを行ってください。

## 管理者アカウントの登録

本ソフトウェアのインストール後、初期状態で GUI を表示したときは本ソフトウェアの管理者アカウントの登録画面が表示されます。

以下の手順で管理者アカウントの登録を行ってください。



1. [User Name]欄にアカウント名を入力します。

使用可能な文字

- ・ アルファベット大文字
- ・ アルファベット小文字
- ・ 数字
- ・ 特殊文字(~!@#\$%^&\*()\_+¥}{][<>.,/?' ))

文字数

- ・ 1 文字以上 32 文字以下

2. [Password] [Retype Password]欄にパスワードを入力します。

使用可能な文字

- ・ アルファベット大文字
- ・ アルファベット小文字
- ・ 数字
- ・ 特殊文字(~!@#\$%^&\*()\_+¥}{][<>.,/?' ))

文字数

- ・ 4 文字以上 32 文字以下

セキュリティの観点から、パスワードは以下のルールに従って設定することを推奨します。

推奨ルール

- ・ 上記 4 つの使用可能な文字種類から少なくとも 3 種類を含み、かつ長さが 8 文字以上

3. Register ボタンをクリックすると管理者アカウントの登録が行われます。

パスワードが上記推奨ルールを満たしていない場合、警告メッセージが表示されます。パスワードを変更する場合は[Cancel]ボタンをクリックしてパスワードを変更してください。セキュリティリスクを理解の上、設定を継続する場合は[OK]ボタンをクリックして設定を完了してください。

#### <NOTE>

・管理者アカウントは Administrator 権限のアカウントとして登録されます。

アカウントの情報は Setting 機能で変更を行うことができます。詳細は Setting 機能の操作説明書を参照してください。Setting 機能の操作説明書は[Help]ボタンをクリックして、メニューから[Setting]を選択すると表示されます。

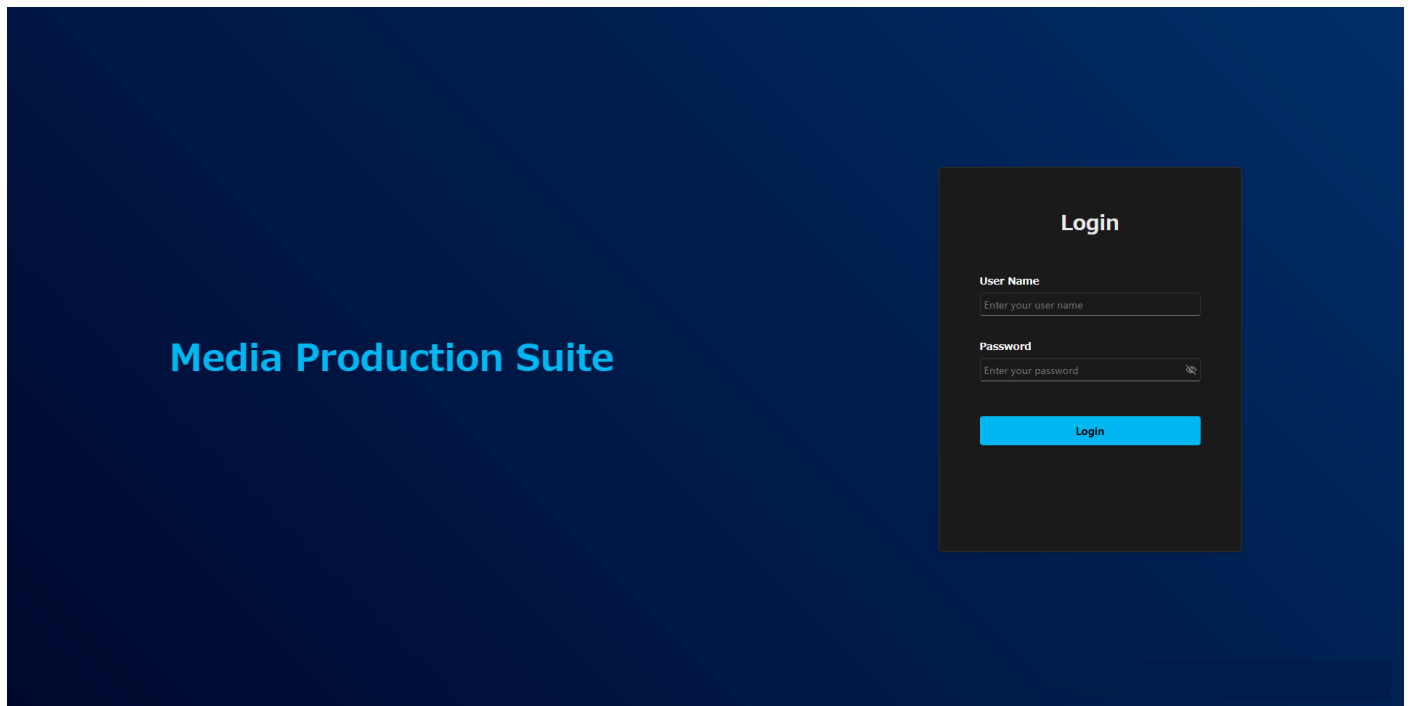
---

## ログイン操作

管理者アカウント登録済の状態では GUI を表示したときは本ソフトウェアのログイン画面が表示されます。

User Name 欄にアカウント名、Password 欄にパスワードを入力して[Login]ボタンをクリックするとログインが行われ、操作画面が表示されます。

操作画面については本書の「画面の説明」を参照してください。



---

## デバイスの登録

本ソフトウェアでデバイスの操作を行うには、本ソフトウェアにデバイスを登録する必要があります。

デバイスの登録は Device View 機能内で行います。詳細は Device View 機能の操作説明書を参照してください。

Device View 機能の操作説明書は本ソフトウェアの[Help]ボタンをクリックして、メニューから[Device View]を選択すると表示されます。

---

## デバイスの操作

登録されたデバイスは本ソフトウェアから操作が可能となります。

無償のベースソフトウェアでは、リモートカメラを操作するための PTZ Control 機能が利用できます。

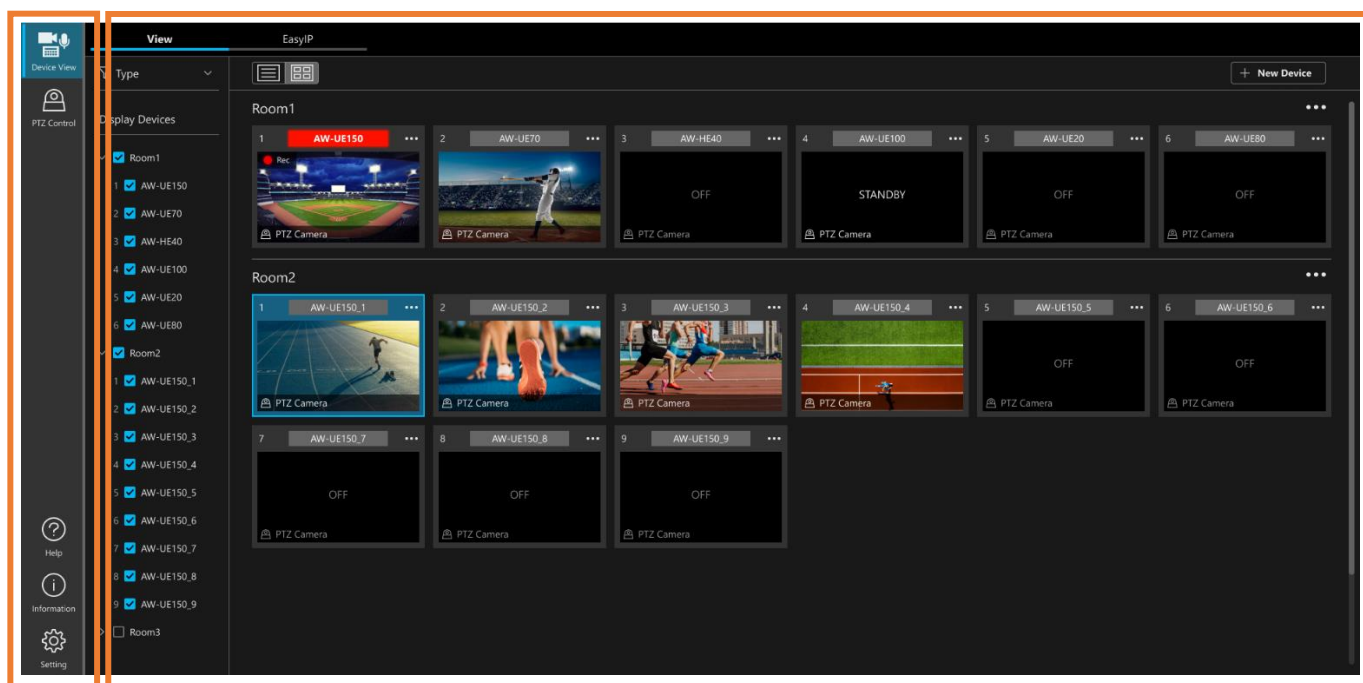
機能の詳細は PTZ Control 機能の操作説明書を参照してください。PTZ Control 機能の操作説明書は本ソフトウェアの [Help] ボタンをクリックして、メニューから [PTZ Control] を選択すると表示されます。

# 画面の説明

## 基本の画面構成

ここでは基本の画面構成のみ説明します。

各機能の画面については、各機能のボタン説明に記載の操作説明書を参照してください。



機能選択エリア

操作画面エリア

### ・操作画面エリア

機能選択エリアで選択された機能の操作画面が表示されます。

## ・機能選択エリア



### 1. メイン機能選択エリア

本ソフトウェアで利用できる機能がエリア内に[ボタン+機能名]の形で表示されます。ボタンをクリックすると操作画面がその機能の画面に切り替わります。

無償のベースソフトウェアがインストールされた状態では[Device View]と[PTZ Control]のボタンが表示され、機能が利用可能となっています。

有償プラグインのライセンスアクティベーションを行って新しい機能が利用可能となった場合、このエリアにその機能のボタンが追加表示されます。

#### ・ Device View ボタン

ボタンクリックで操作画面が Device View 機能の画面に切り替わります。

Device View 機能ではデバイスを一覧表示して管理を行う機能を提供します。操作画面からデバイスの登録／編集／削除、電源管理などを行うことができます。また、EasyIP Setup Tool Plus 機能も本機能内で利用することができます。

機能の詳細は[Help]ボタンのメニューで[Device View]を選択したときに表示される Device View 機能の操作説明書を参照してください。

#### ・ PTZ Control ボタン

ボタンクリックで操作画面が PTZ Control 機能の画面に切り替わります。

PTZ Control 機能ではリモートカメラの操作に特化した機能を提供します。操作画面からリモートカメラの Pan/Tilt/Zoom 制御、プリセット制御、画質調整などを行うことができます。

機能の詳細は[Help]ボタンのメニューで[PTZ Control]を選択したときに表示される PTZ Control 機能の操作説明書を参照してください。

### 2. Help ボタン

本ソフトウェアの操作説明書を Web ブラウザで表示するためのボタンです。

操作説明書は機能毎に分かれています。Help ボタンをクリックすると機能を選択するためのメニューが表示されます。メニューから機能を選択すると、その機能の操作説明書を表示します。

無償のベースソフトウェアをインストールした時点では以下のメニューが存在します。

Common：本ソフトウェアの基本要素の操作説明書（本書）を表示します。

Device View：Device View 機能の操作説明書を表示します。

PTZ Control：PTZ Control 機能の操作説明書を表示します。

Information：Information 機能の操作説明書を表示します。

Setting：動作設定機能の操作説明書を表示します。

有償プラグインのライセンスアクティベーションを行って新しい機能が利用可能となった場合、その機能の操作説明書を表示するためのメニューが追加されます。

### 3. Information ボタン

ボタンをクリックすると操作画面が Information 画面に切り替わります。

Information 画面では本ソフトウェアのバージョン情報表示や有償プラグインのアクティベーションな



どを行うことができます。

機能の詳細は[Help]ボタンのメニューで[Information]を選択したときに表示される Information 機能の操作説明書を参照してください。

#### 4. Setting ボタン

ボタンをクリックすると操作画面が Setting 画面に切り替わります。

Setting 画面では本ソフトウェアの動作設定を行うことができます。

機能の詳細は[Help]ボタンのメニューで[Setting]を選択したときに表示される Setting 機能の操作説明書を参照してください。

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