

集成软件 操作说明书（基本要素）

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前言

概要

- 本软件是一个新的软件平台，集成了各种软件，支持本公司制造的远程相机系统。可以将免费的基础软件和计划于将来发布的收费插件结合起来，根据用途进行定制。使用本软件可以构建兼顾易用性和现场高效性的远程相机系统。
- 安装本软件，即可使用免费的基础软件功能。基础软件包括设备管理功能（设备视图功能）和远程相机控制功能（PTZ 控制功能）。
 - 设备视图功能的用处
 - 设备的注册/编辑/删除
 - 设备信息显示
 - 设备电源管理
 - 自动检测联网的相机
 - 相机的网络设置
 - 相机的固件更新
 - 相机管理员批量注册
 - 相机的 NDI |HX / SMPTE ST 2110 激活
 - PTZ 控制功能的用处
 - 相机的平移/俯仰/变焦控制
 - 相机的预设注册/调用/删除、预设速度设置
 - 相机图像质量调整
 - 内置自动追踪功能的相机的自动追踪功能控制
 - 相机的开机 / 待机控制
- 在基础软件上激活收费插件，即可使用收费插件的功能。
- 基础软件和收费插件均支持服务器操作，可通过同一网络上的其他电脑，显示并操作图形用户界面。
- 备有外部 API，可通过外部系统控制本软件的功能，因而可与外部系统进行组合以灵活构建系统。※计划在将来的软件更新中提供

运行环境

使用本软件需要配备以下运行环境。

■服务器电脑

- 操作系统

 - Windows Server 2022

 - Windows 11

 - Windows 10 64bit (21H2 或更高版本)

- 硬件

 - CPU: Intel Core 7 代 (Kaby Lake) 或更高版本

 - 内存: 8GB 以上

 - 显示器: 1920x1080 以上

 - 存储: 预留 2GB 以上的存储空间

- 软件

 - 网络浏览器: Microsoft Edge, Google Chrome

※服务器电脑的硬件环境指的是使用免费基础软件的功能时所需的硬件环境。

关于使用收费插件的功能时所需的硬件环境, 请参阅各收费插件说明书所述的运行环境要求。

※服务器电脑的 Windows 操作系统应在安装到 C 盘的状态下使用。

■客户端 (浏览终端)

- 操作系统

 - Windows 11

 - Windows 10 64bit (21H2 或更高版本)

 - macOS 13 (Ventura) 或更高版本

 - iPadOS 16 或更高版本

- 硬件

 - 显示器: 1920x1080 以上 (iPad 除外)

- 软件

 - 网络浏览器: Microsoft Edge, Google Chrome

<备注>

- 如果您使用 Google Chrome, 请从 Google LLC 网站下载并安装。

支持设备

本软件支持的设备包括以下产品（截至 2023 年 10 月）

■Panasonic 生产的网络相机

PTZ 相机

- 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

<备注>

- 关于最新的支持机型，请前往下列网站的本软件产品页面进行确认。
日文：https://connect.panasonic.com/jp-ja/products-services_proav
英文：<https://pro-av.panasonic.net/en/>
- 请将设备固件更新到最新版后再使用。固件可以通过上述网站下载。

关于网络/安全的请求

本软件需在电脑联网的状态下使用，因此可能遭遇以下损害：

- 信息经电脑泄露或外流
- 怀有恶意的第三方非法操作电脑/本软件
- 怀有恶意的第三方干扰或中止电脑/本软件的工作

为防止此类损害，客户应负责采取完善的网络安全措施，包括下列措施。本公司对此类损害概不负责，敬请理解。

- 使用防火墙，在确保安全性的网络上使用电脑。
- 确认定期查杀电脑病毒或非法程序。
- 为保护电脑免受非法攻击，电脑应设置密码，并对用户的登录权限进行限制。
- 电脑不可安装在第三方容易访问的场所，并且应采取防盗措施。

关于连接设备的限制事项

- 连接服务器电脑、远程相机等设备的网络，建议使用相同网段。如果连接不同网段的设备，可能会依赖于网络设备的特定设置，因此操作开始前请进行充分确认。
- 连接服务器电脑、远程相机等设备的网络，建议使用有线连接。使用无线连接时，本软件的界面显示或操作反应可能会变得缓慢。
- 请使用 HTTP 连接设置连接远程相机。不支持 HTTPS 连接。
- 请使用固定 IP 设置来操作服务器 PC。不支持 DHCP 设置操作。

关于本文件的内容

- 本文件中的插图或界面显示可能与实际情况有所不同。
- 本文件中将个人电脑简称为“电脑”。

关于注册和注册商标

- Microsoft、Windows、Microsoft Edge 是美国 Microsoft Corporation 在美国、日本和其他国家或地区的注册商标。
- Apple、Mac、macOS、iPadOS、iPhone、iPad、Safari 是 Apple Inc. 在美国和其他国家或地区的注册商标。
- Android、Chrome 浏览器是 Google LLC 的商标。
- Intel、Intel Core 是英特尔公司或其子公司在美利坚合众国以及其他国家或地区的商标或注册商标。

软件的安装

电脑已安装自动追踪软件时的注意事项

在已安装自动追踪软件 AW-SF200 / AW-SF100 Web appli ver. 的电脑上，本软件无法执行。如需在已安装自动追踪软件 AW-SF200 / AW-SF100 Web appli ver. 的电脑上安装本软件，请按照以下步骤卸载自动追踪软件。

1. 打开 Windows 的[应用和功能]界面。
2. 从[应用和功能]界面的应用程序中选择[Node.js]并执行卸载。
3. 从[应用和功能]界面的应用程序中选择[PostgreSQL 11]并执行卸载。
4. 从[应用和功能]界面的应用程序中选择[Panasonic Auto Tracking Server]（Panasonic 自动跟踪设置）并执行卸载。
5. 重启电脑。

<备注>

- 已安装 AW-SF100 Standalone ver. 的电脑无需卸载自动追踪软件。

安装时的注意事项

- 请使用拥有管理员权限的 Windows 帐户进行安装。
- 如果在安装过程中显示 Windows 的用户帐户控制的确认信息，请单击“是”以继续该项处理。
- 如果在安装过程中显示 Windows 防火墙权限确认屏幕，请允许访问并继续该过程。

更新到新版本时

当本软件更新到新版本时，无需事先卸载旧版本。当您安装新版本时，软件将自动更新。

更新后，请先清除网络浏览器的缓存，然后再使用新版本的软件。如果在未清除缓存的情况下运行新版本，可能会出现故障。

■Microsoft Edge 清除缓存流程

1. 单击 Microsoft Edge 屏幕右上角的菜单按钮…，然后单击“设置”。



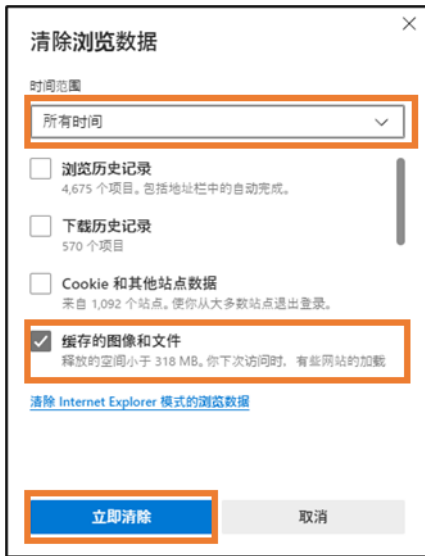
2. 在 Microsoft Edge 设置屏幕上，选择“隐私、搜索和服务”，然后选择“选择要清除的内容”。



3. 在“清除浏览数据”屏幕上，配置以下设置并单击“立即清除”按钮以清除缓存。

时间范围：所有时间


缓存的图片和文件：勾选



<备注>

- 上述清除缓存的过程适用于 Microsoft Edge 版本 120.0.2210.121。
根据 Microsoft Edge 版本的不同，显示可能会有所不同。

■ Google Chrome 清除缓存流程

1. 单击 Google Chrome 屏幕右上角的菜单按钮 ，然后单击“设置”。



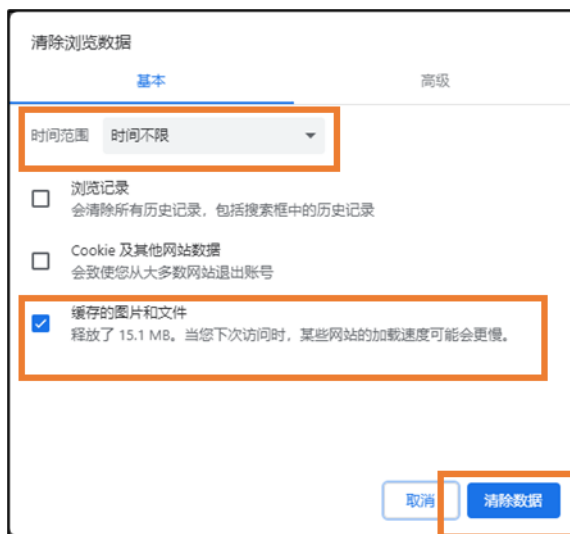
2. 在 Google Chrome 设置屏幕上，选择“隐私和安全”，然后选择“清除浏览数据”。



3. 在“清除浏览数据”屏幕上，配置以下设置并单击“清除数据”按钮以清除缓存。

时间范围：时间不限

缓存的图片和文件：勾选

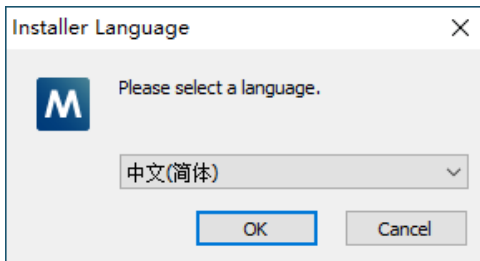


<备注>

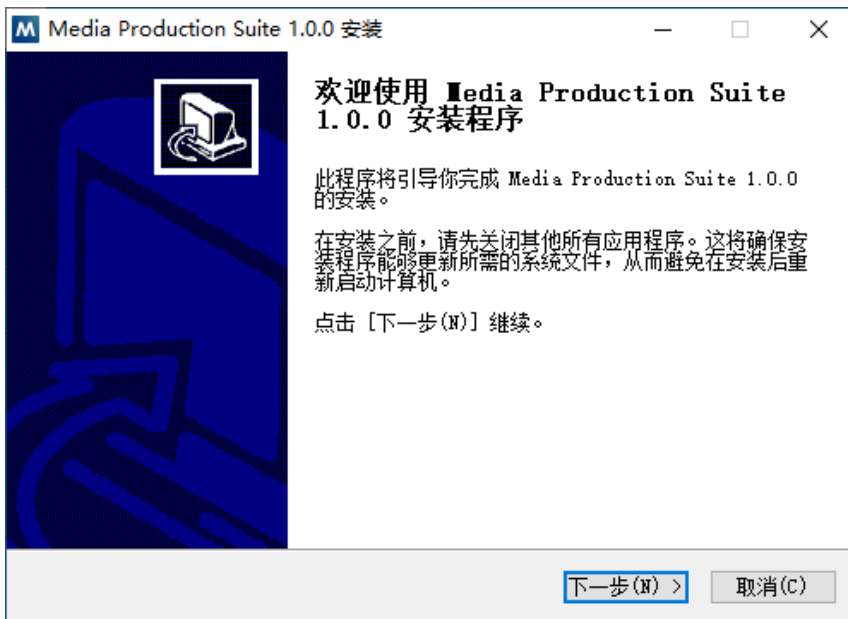
- 上述清除缓存的过程适用于 Google Chrome 版本 119.0.6045.123。
根据 Google Chrome 版本的不同，显示可能会有所不同。

软件安装步骤

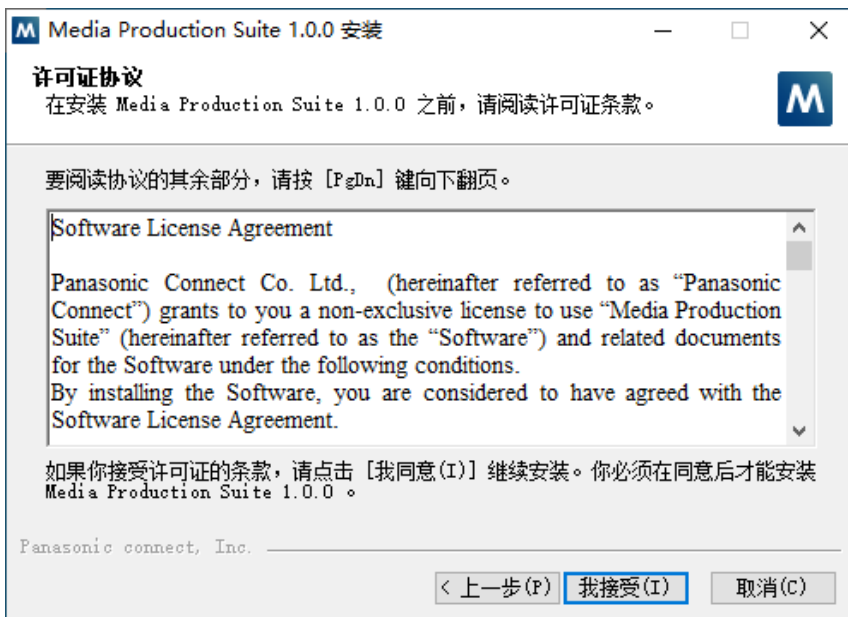
1. 双击 Setup.exe 运行安装程序，选择语言，然后单击确定。



2. 单击「下一步」按钮继续。



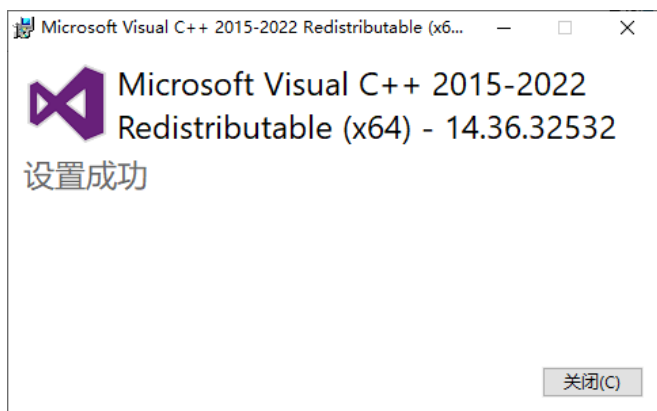
3. 显示许可证协议，请检查内容，如果没有问题，请单击「我接受」。



4. 如果未安装运行软件所需的运行时，将显示运行时安装程序弹窗，因此请选中「我同意许可条款和条件」，然后单击「安装」。

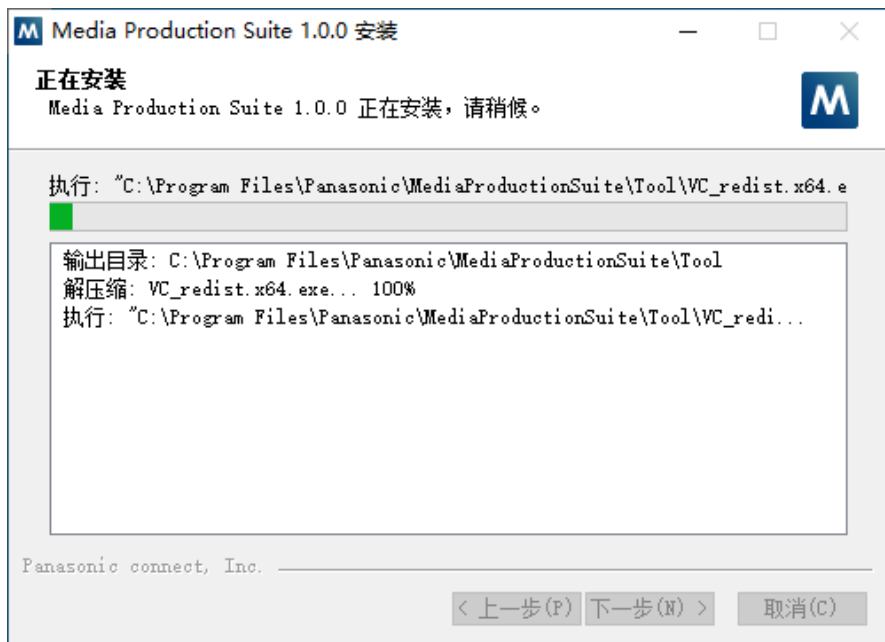


5. 运行时安装完成后，将显示如下弹窗，请单击「关闭」。



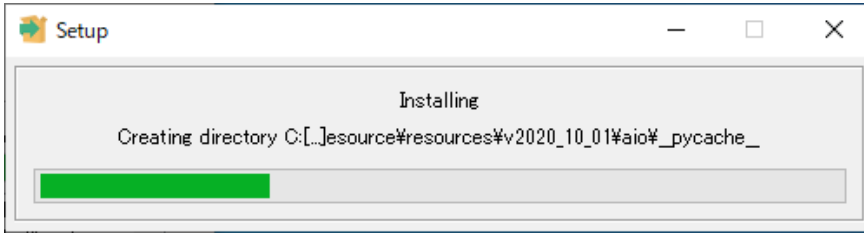
6. 文件复制开始。

如果您是第一次安装本软件，那么在安装过程中，还会自动安装执行本软件所需的软件。(Node.js, Erlang OTP, RabbitMQ, PostgreSQL)，因此需要一些时间才能完成。

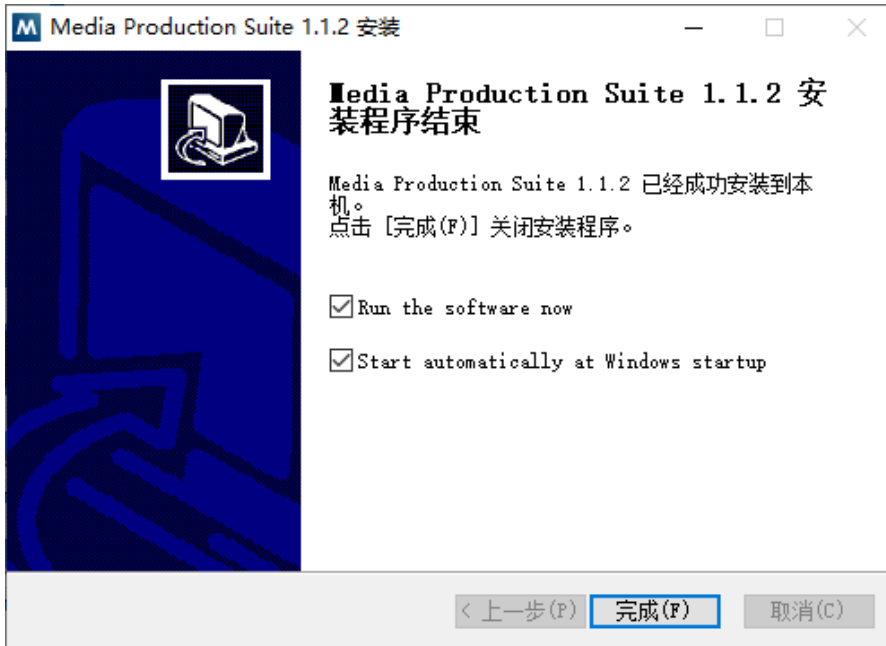


7. 如果未安装 PostgreSQL，则会自动开始安装 PostgreSQL。

如果已安装 PostgreSQL，则不会开始安装 PostgreSQL，因此请继续执行步骤 8。



8. 安装后，将显示以下屏幕。



勾选“Run the software now”，选择安装完成后是否启动该软件。

勾选“开”：该软件将在安装后启动。

勾选“关”：该软件安装后不会启动。

勾选“Start automatically at Windows startup”以选择该软件是否在 Windows 启动时自动启动。

勾选“开”：将此软件设置为在 Windows 启动时自动启动。

勾选“关”：将此软件设置为在 Windows 启动时不自动启动。

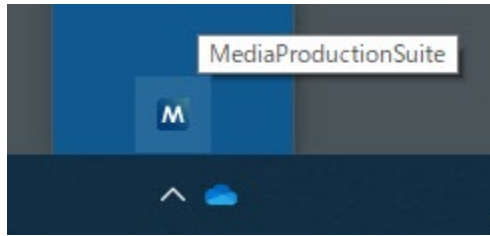
如果选择 OFF（不自动启动），则 Windows 启动后，您需要按照本文档“启动软件”中描述的步骤手动启动软件。

单击“完成”按钮完成安装。

有关后续操作，请参阅“软件的启动和关闭”部分。

<备注>

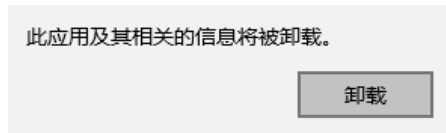
• 即使您选择了“Run the software now”，安装完成后，Media Production Suite 软件也不会显示图形用户界面 (GUI) 屏幕。相反，该软件将在任务托盘上启动。



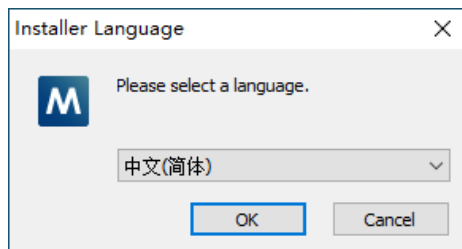
软件卸载步骤

■对于 Windows10、Windows Server 2022

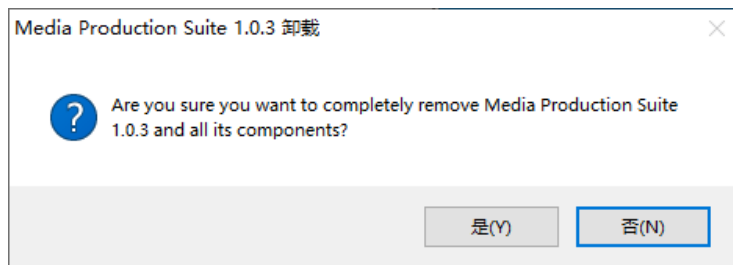
1. 右键单击 Windows 任务栏上的 Windows 图标，然后在出现的菜单中选择「应用程序和功能」。
2. 从「应用程序和功能」屏幕上显示的应用程序中选择「Media Production Suite *.* (*.*是安装的应用的版本信息)」然后单击「卸载」。
3. 将显示「此应用及其相关的信息将被卸载」的确认信息，请单击「卸载」。



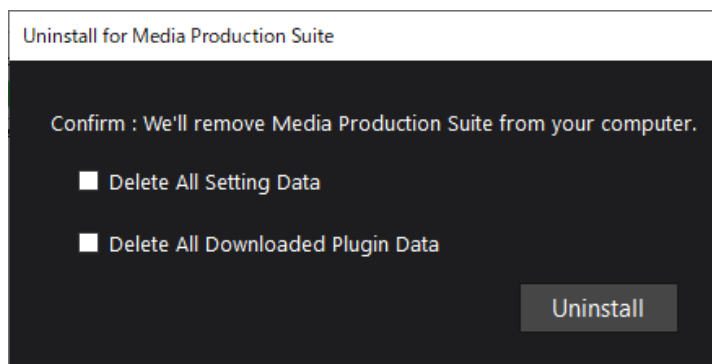
4. 如果显示 uninst.exe 的执行确认框，请选择「是」。
5. 出现语言确认框时，选择任一语言单击「OK」。



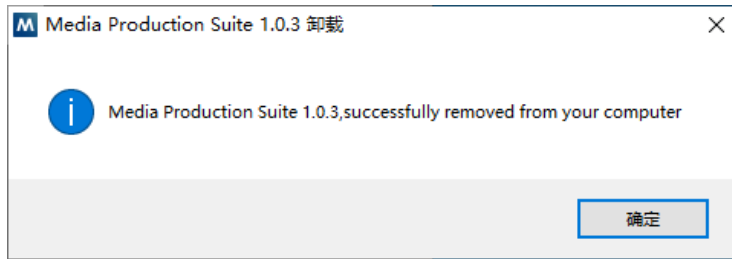
6. 显示卸载确认框时，请单击「是」。



7. 将出现确认屏幕。
 - [Delete All Setting Data]
当勾选为 ON 时，本软件的所有设置数据将被删除。
当勾选为 OFF 时，本软件的设定数据不会被删除。
 - [Delete All Downloaded Plugin Data]
当勾选为 ON 时，所有下载的付费插件的执行数据将被删除。
当勾选关闭时，下载的付费插件的执行数据不会被删除。
- ※已激活的付费插件的许可证数据不会被删除。



8. 执行卸载。如果显示以下确认框则卸载完成。



■对于 Windows11

1. 右键单击 Windows 任务栏上的 Windows 图标，然后在出现的菜单中选择「已安装的应用程序」。
2. 从「已安装的应用程序」屏幕上显示的应用程序中选择「Media Production Suite *.*.*（*.*.*是安装的应用的版本信息）」然后单击「卸载」。
3. 以下过程与上述「对于 Windows10, Windows Server 2022」中的步骤 3~7 相同。

<备注>

- 如果您想将许可证数据转移到另一台电脑，您需要在软件已安装的情况下先执行解除激活操作。停用步骤请参阅信息功能操作手册中的「停用收费插件」。

软件的启动和关闭

启动软件

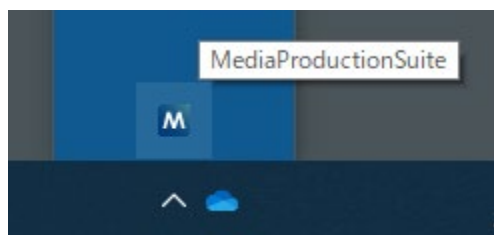
如果您在“软件安装步骤”的步骤 8 中选中“Start automatically at Windows startup”，则该软件将在 Windows 启动时自动启动。

如果取消选中“Start automatically at Windows startup”，该软件将不会自动启动，因此请通过以下方式之一启动软件。

- 在 Windows 开始菜单中打开“Media Production Suite”，选择“Media Production Suite”快捷方式
- 双击桌面上的“Media Production Suite”快捷方式

启动时将显示 Windows 管理员权限的确认弹窗，请单击“确定”以允许启动。


启动时，该软件的图标  将显示在 Windows 任务托盘中。

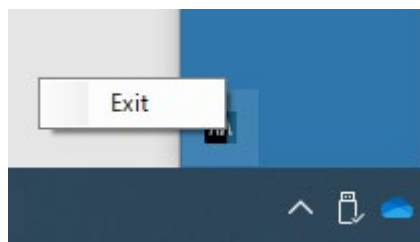


本软件启动后不会自动显示 GUI。

有关启动后的操作，请参阅“软件使用流程”部分。

退出软件

要退出软件，请右键单击 Windows 任务栏的托盘中显示的软件图标  然后从出现的菜单中选择[Exit]。



软件使用流程

软件的图形用户界面 (GUI) 显示

通过网络浏览器登录在服务器电脑上运行的本软件并显示图形用户界面，以执行本软件的操作。除服务器电脑以外，也可以使用其他客户端电脑，通过网络浏览器执行操作。

显示图形用户界面的操作步骤如下所示。

■对于服务器电脑

- 当操作系统默认网络浏览器是 Microsoft Edge 或 Google Chrome 时
您可以通过以下快捷方式之一显示 GUI
 - Windows 开始菜单中“Media Production Suite”组中的“GUI of Media Production Suite”快捷方式
 - 桌面上的“GUI of Media Production Suite”快捷方式
- 当操作系统默认网络浏览器不是 Microsoft Edge 或 Google Chrome 时
 1. 启动网络浏览器 (Microsoft Edge 或 Google Chrome)。
 2. 在网络浏览器的地址栏内输入以下网址。
`http://localhost/MediaProductionSuite/Base`
※我们建议在 GUI 显示后为登录屏幕添加书签。

■对于客户端电脑

1. 启动网络浏览器 (Microsoft Edge 或 Google Chrome)。
2. 在网络浏览器的地址栏内输入以下网址。
`http://[服务器电脑的 IP 地址]/MediaProductionSuite/Base/`
(例: `http://192.168.0.200/MediaProductionSuite/Base`)
※我们建议在 GUI 显示后为登录屏幕添加书签。

本软件安装后，在初始状态下显示图形用户界面时，将会显示本软件的管理员帐户注册界面；在已注册管理员帐户的状态下显示图形用户界面时，将会显示本软件的登录界面。

显示管理员帐户注册界面时：

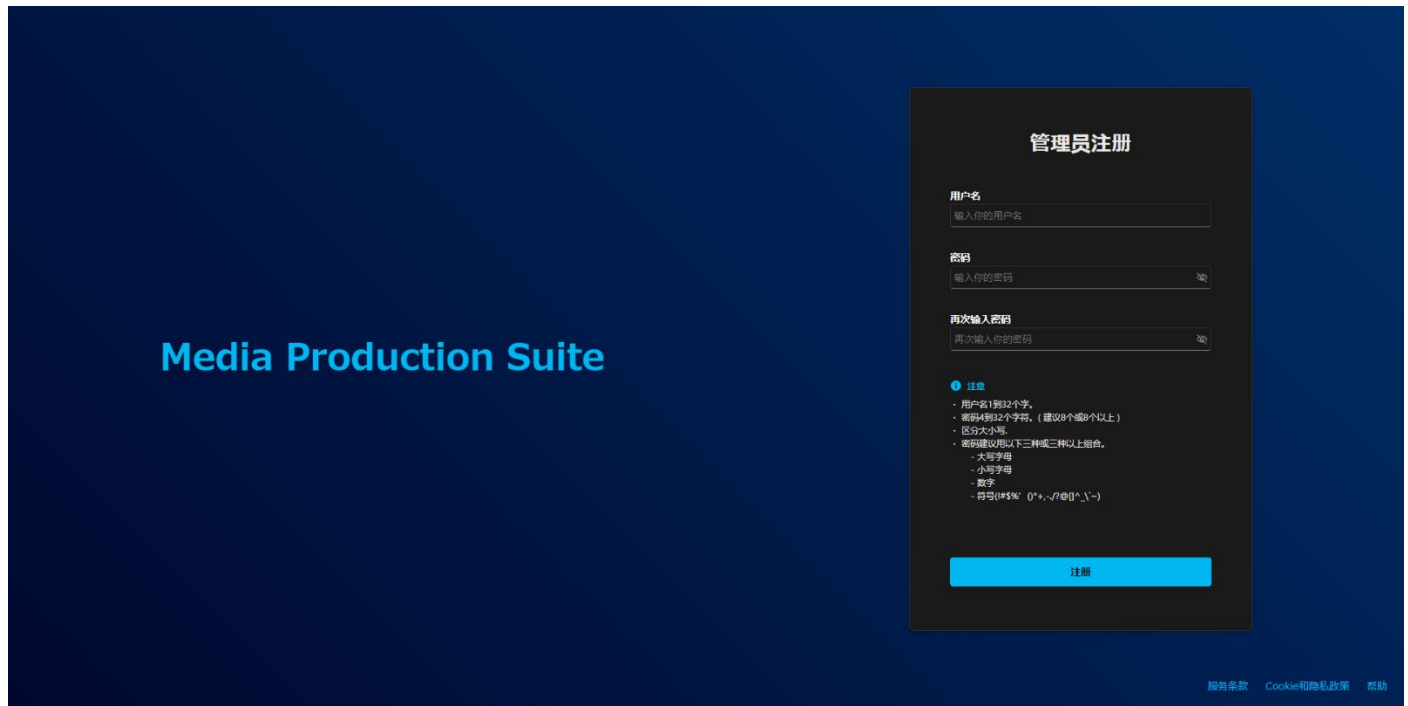
请按照以下“管理员帐户注册”的内容注册管理员帐户。

显示登录界面时：

请按照以下“登录操作”的内容进行登录。

注册管理员帐户

本软件安装后，在初始状态下显示图形用户界面时，将会显示本软件的管理员帐户注册界面。
请按照以下步骤注册管理员帐户。



1. 在[用户名]栏内输入帐户名称。

可用字符

- 大写字母
- 小写字母
- 数字
- 特殊字符 (~!@#\$\$%^&*() +\|} {} [< > . , / ? `)

字符数

- 1 至 32 个字符

2. 在[密码]和[再次输入密码]栏内输入密码。

可用字符

- 大写字母
- 小写字母
- 数字
- 特殊字符 (~!@#\$\$%^&*() +\|} {} [< > . , / ? `)

字符数

- 4 至 32 个字符

出于安全考虑，建议按照以下规则设置密码。

建议规则

- 包含上述 4 种可用字符类型中的至少 3 种，且长度至少为 8 个字符

3. 单击注册按钮，即可注册管理员帐户。

如果密码不符合上述建议规则，将会显示警告信息。如需更改密码，请单击[取消]按钮以更改密码。在了解安全风险的基础上，如需继续设置，请单击[确认]按钮以完成设置。

<备注>

- 管理员帐户将注册为具有管理员权限的帐户。

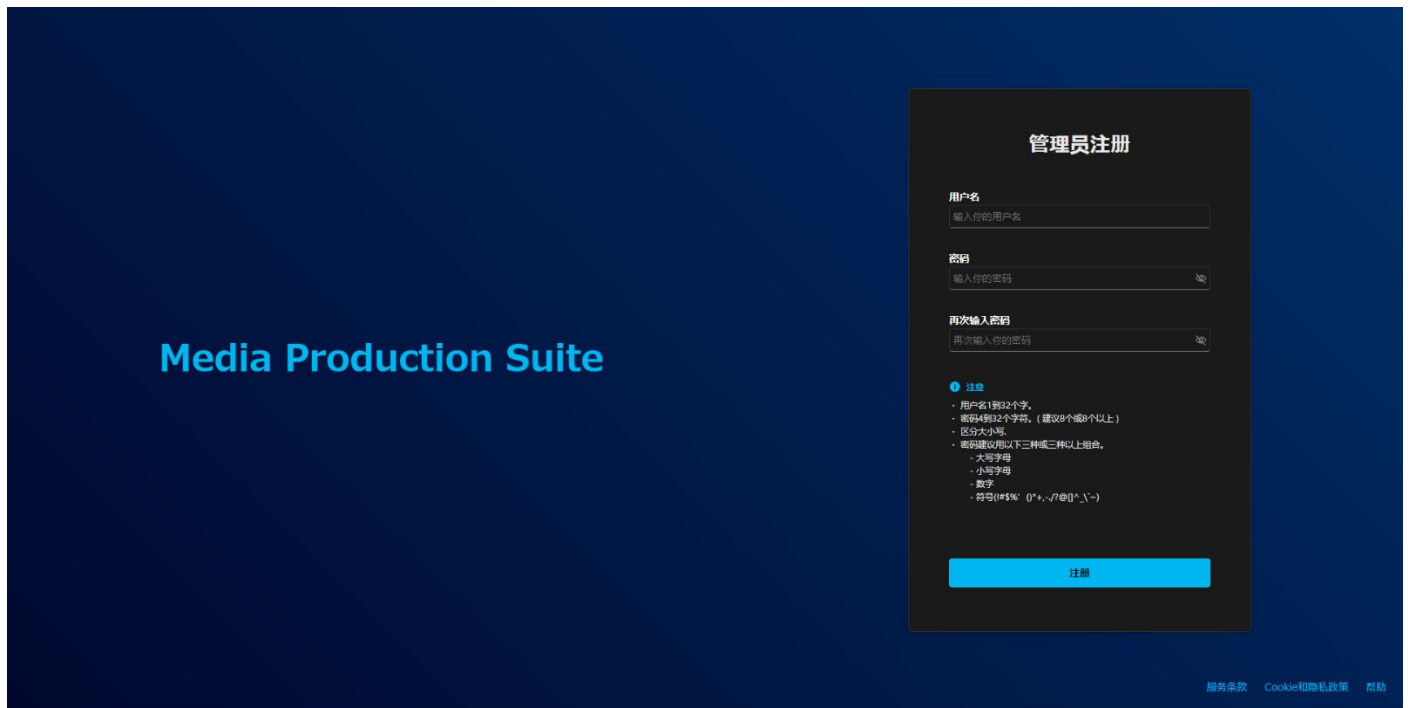
可以使用设定功能更改帐户信息。详细信息请参阅设定功能的操作说明。单击[帮助]按钮，从菜单中选择[设定]，即会显示设定功能的操作说明。

登录操作

在已注册管理员帐户的状态下显示图形用户界面时，将会显示本软件的登录界面。

在用户名栏内输入帐户名称，在密码栏内输入密码，单击[登录]按钮即可执行登录，显示操作界面。

关于操作界面，请参阅本书的“界面说明”。



设备注册

为了使用本软件操作设备，需在本软件上注册设备。

在设备视图功能内进行设备注册。详细信息请参阅设备视图功能的操作说明。

单击本软件的[帮助]按钮，从菜单中选择[设备视图]，即会显示设备视图功能的操作说明。

设备操作

通过本软件可以操作已注册的设备。

免费的基础软件提供 PTZ 控制功能，用以操作远程相机。

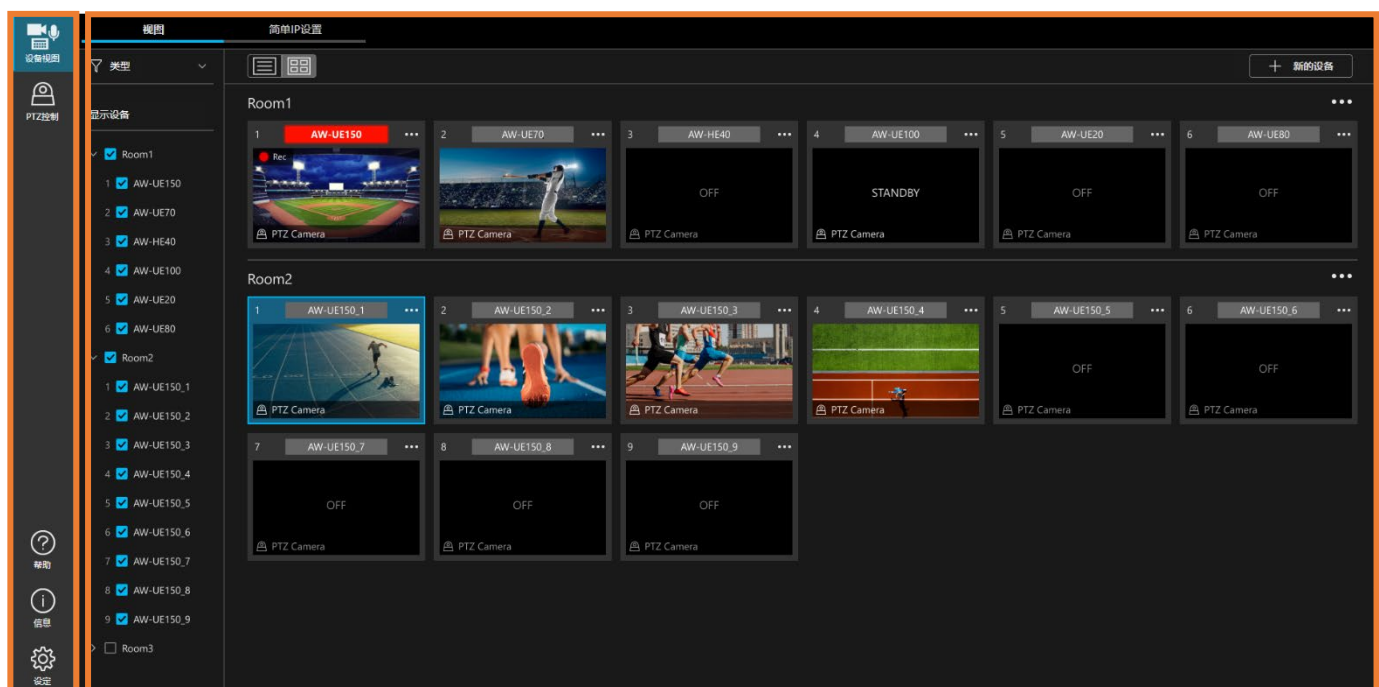
该功能的详细信息请参阅 PTZ 控制功能的操作说明。单击本软件的[帮助]按钮，从菜单中选择[PTZ 控制]，即会显示 PTZ 控制功能的操作说明。

界面说明

基本的界面构成

本节仅说明基本的界面构成。

关于各功能的界面，请参阅各功能的按钮说明中所述的操作说明。



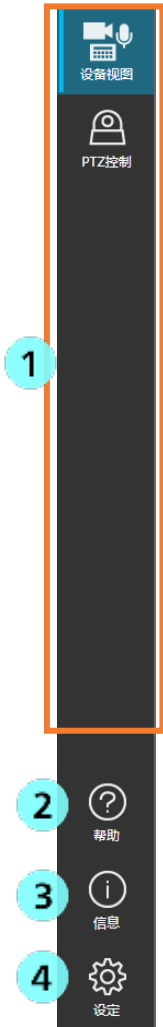
功能选择区

操作界面区

- 操作界面区

显示在功能选择区内选中功能的操作界面。

• 功能选择区



1. 主功能选择区

本软件的可用功能以[按钮+功能名称]的形式显示在功能选择区内。单击按钮，操作界面即切换至该功能的界面。

如已安装好免费的基础软件，将会显示[设备视图]和[PTZ 控制]按钮，且其功能可用。激活收费插件的许可证使新功能可用后，该功能的按钮将会添加显示到功能选择区。

• 设备视图按钮

单击按钮，操作界面即切换至设备视图功能的界面。

设备视图功能提供设备一览表和管理设备的功能。通过操作界面，可以执行设备的注册/编辑/删除、电源管理等操作。此外，在本功能中也可以使用 EasyIP Setup Tool Plus 功能。

关于功能的详细信息，请参阅从[帮助]按钮的菜单中选择[设备视图]时所显示的设备视图功能的操作说明。

• PTZ 控制按钮

单击按钮，操作界面即切换至 PTZ 控制功能的界面。

PTZ 控制功能提供操作远程相机所需的专用功能。可以通过操作界面执行远程相机平移/俯仰/变焦控制、预设控制、图像质量调整等操作。

关于功能的详细信息，请参阅从[帮助]按钮的菜单中选择[PTZ 控制]时所显示的 PTZ 控制功能的操作说明。

2. 帮助按钮

帮助按钮用于在网络上显示本软件的操作说明。

操作说明按功能划分。单击帮助按钮，即会显示所选功能的菜单。从菜单中选择了功能，即会显示该功能的操作说明。

安装免费的基础软件后显示以下菜单。

常用：显示本软件的基本要素的操作说明（本书）。

设备视图：显示设备视图功能的操作说明。

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激活收费插件的许可证使新功能可用后，将会添加菜单以显示该功能的操作说明。

3. 信息按钮

单击按钮，操作界面即切换至信息界面。

在信息界面中可执行显示本软件的版本信息、激活收费插件等操作。

关于功能的详细信息，请参阅从[帮助]按钮的菜单中选择[信息]时所显示的信息功能的操作说明。

4. 设定菜单

单击按钮，操作界面即切换至设定界面。

在设定界面中可进行本软件的运行设置。

关于功能的详细信息，请参阅从[帮助]按钮的菜单中选择[设定]时所显示的设定功能的操作说明。

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