i-PRO 設定ツール

操作の流れ

①起動・ログインする

↓

② モード／実行したい作業を選択する

ベーシックモード
- ・IPアドレスの変更
- ・管理者の初期登録
- ・ファイルのダウンロード
- ・ファイルのアップロード
- ・ファームウェアの更新
- ・カメラの初期化

※実行したい作業の選択が必要

プロフェッショナルモード
- ・IPアドレスの変更
- ・管理者の初期登録
- ・ファイルのダウンロード
- ・ファイルのアップロード
- ・ファームウェアの更新
- ・カメラの初期化/再起動
- ・カメラの一括設定
- ・レコーダーの設定
- ・AI現場学習の管理
- ・機能拡張ソフトウェアの管理
- ・CGIリストの送信
- ・証明書の管理
- ・プロダクト解析アシスト

↓

③機器を検出し、接続する

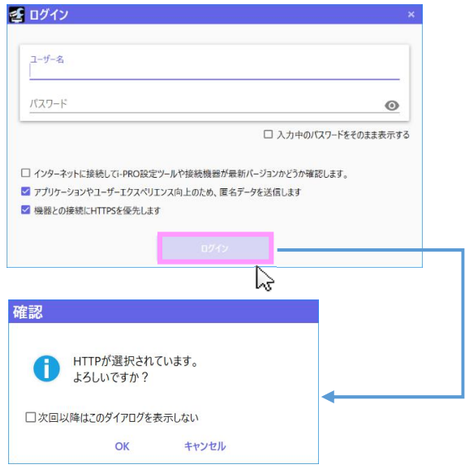
↓

④メイン画面(ホーム画面)

各種操作や設定を実行します

①起動・ログインする

Windows スタートメニュー から
[i-PRO] - [i-PRO設定ツール]を選択してください



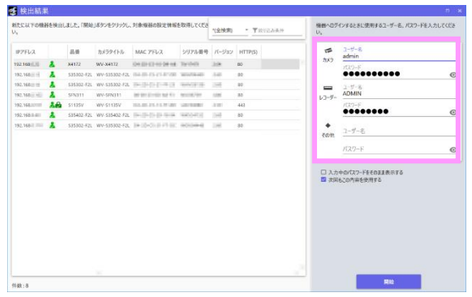
「HTTP」が選択されている場合、「確認」画面が表示されます。
「機器との接続にHTTPSを優先します」のチェックボックスの設定は、オプション設定に保存されます。

②モード／実行したい作業を選択する

モードを選択／実行したい作業
にチェックをいれて「次へ」を押します

③機器を検出し、接続する

機器と通信・接続するために、
機器のユーザー名・パスワードの入力が必要です



④メイン画面(ホーム画面) ここから各種操作や設定をおこないます

(a)<ベーシックモード/プロフェッショナルモード>共通機能

(ⅰ)[ハンバーガーアイコン]	操作メニューのアイコン表示と詳細表示を切り替えます
(ⅱ)[メニュー選択]	メニュー選択画面を表示します
(ⅲ)[IP アドレスの変更]	機器の IP アドレス設定を行います
(ⅳ)[管理者の初期設定]	機器の管理者の初期設定を行います
(ⅴ)[ファイルのダウンロード]	機器の設定/ログファイルのダウンロードを行います (設定レポートの作成も行えます)
(ⅵ)[ファイルのアップロード]	機器へ設定ファイルのアップロードを行います
(ⅶ)[ファームウェアの更新]	機器のファームウェアを更新します
(ⅷ)[カメラの再起動]	カメラの再起動を行います

(b)<プロフェショナルモード>専用機能

「ベーシックモード」選択時には表示されません

「ベーシックモード」の機能に加えて、以下の機能が利用できます

(ⅰ)[カメラの一括設定]	個別カメラ、もしくは複数カメラの設定をまとめて行えます
(ⅱ)[レコーダーの設定]	レコーダーの設定を行います(オフライン) (レコーダー機器への設定送信は「ファイルのアップロード」機能をご利用ください)
(ⅲ)[AI 現場学習の管理]	AI 現場学習の管理の操作を行います
(ⅳ) [機能拡張ソフトウェアの管理]	機能拡張ソフトウェア/ライセンスに関する設定を行います
(ⅴ) [CGI リストの送信]	機器に CGI リストを送信します
(ⅵ) [証明書の管理]	機器の証明書の管理を行います
(ⅶ)[カメラの初期化/再起動]	カメラの初期化/再起動を行います
(ⅷ)[プロダクト解析アシスト]	カメラ/レコーダーのログ解析を支援します

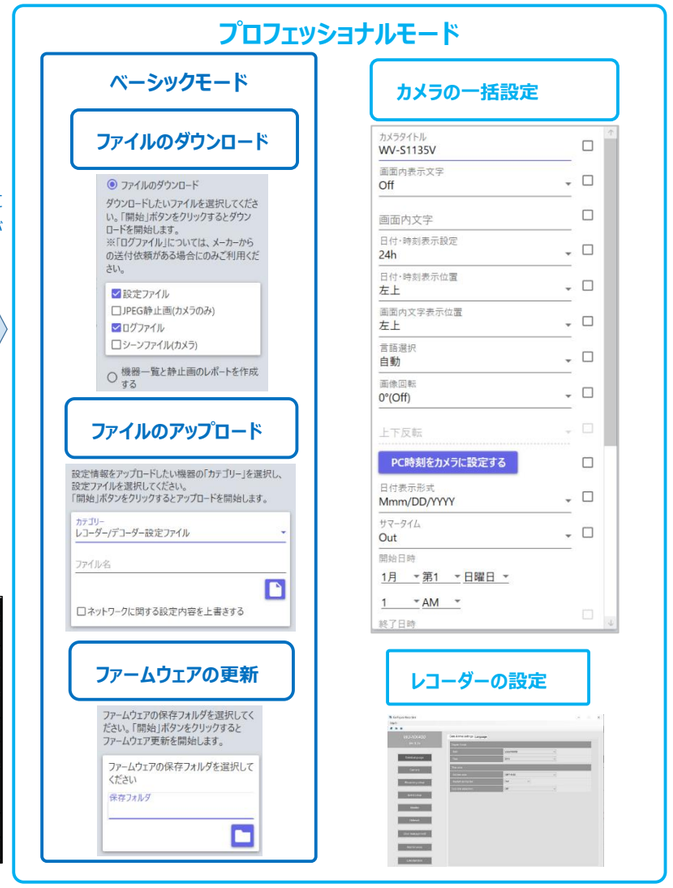
(c)操作メニュー

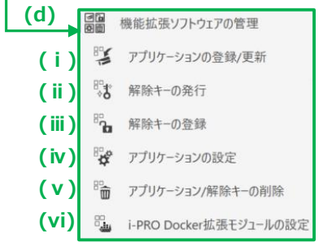
(ⅰ) (ⅱ) (ⅲ) (ⅳ) (ⅴ) (ⅵ)

(ⅰ)[機器の自動検出]	自/他サブネットにある機器を検出追加できます
(ⅱ)[機器の手動追加]	オフラインでカメラを追加できます
(ⅲ)[更新]	機器一覧/サムネイル/機器や機能拡張ソフトウェアのバージョン情報を最新の状態にします
(ⅳ)[認証情報設定]	機器に接続する際に使用する認証情報を変更します
(ⅴ)[機器の削除]	機器一覧で指定した機器を削除します
(ⅵ)[お知らせ]	通知情報がある場合、画面右下に通知情報を表示します

※カメラやレコーダーなど機器の設定変更に関する機能に関しては
「プロフェッショナル」モードのみ対応しています

メイン画面の右側に各種操作メニューが表示されます





項目	アイコン説明
機器操作 全体共通	対象機器との通信開始順番待ち状態
	対象機器に対する処理を実行中
	対象機器に対する処理に成功した
	対象機器に対する処理に失敗した
機器管理者 設定状態	対象機器の管理者情報が設定済である
	対象機器の管理者情報が未設定である(管理者初期登録操作が必要な機器)
	対象機器の管理者設定状態が識別できない (通信前のため状態が未取得の機器)
フェイルオーバー	対象レコーダーがスレーブ設定(待機状態)である
機器通信設定	HTTPS通信状態の機器 (HTTP通信状態の場合はアイコン表示なし)

(d)<機能拡張ソフトウェアの管理>のサブメニュー

(ⅰ)[アプリケーションの登録/更新]	機能拡張ソフトウェアの登録/更新ができます 最新版の"機能拡張ソフトウェア(全機能)"※2をダウンロードして、 PC上に展開し、展開後のフォルダーを本メニューから指定してください
(ⅱ)[解除キーの発行]	解除キーの発行ができます 取得した起動ID番号と暗号ID番号を入力し、キー管理システム※3にログインすることで、 解除キーが発行されます
(ⅲ)[解除キーの登録]	発行した解除キー番号をカメラに登録します
(ⅳ)[アプリケーションの設定]	機能拡張ソフトウェアの動作設定を行います
(ⅴ)[アプリケーション/解除キーの削除]	機能拡張ソフトウェア/解除キーを削除できます
(ⅵ)[i-PRO Docker 拡張モジュールの設定]	i-PRO Docker 拡張モジュールの設定ができます

※2：機能拡張ソフトウェア(全機能)は、下記 URL より取得してください
https://i-pro.com/products_and_solutions/ja/surveillance/learning-and-support/tools/learning-and-support/tools/ict
※3：キー管理システムがメンテナンス中、または、ネットワーク障害の場合、本機能は利用できません。

ONVIF®に準拠した機器は、"ONVIF適合機器"タブに表示されます。
本ソフトウェアで動作確認できているONVIFに準拠した機器は以下となります。
AXIS: M1135, M3047-P, M3066-V, M5065, P1378, P1455-LE, Q1614
Hanwha: PNO-A6081R, PND-A6081RV, QNB-6002, QNF-8010, XNF-8010R

レコーダーの設定について
設定するレコーダーがWJ-NX200、WJ-HD616、HJ-HD716の場合、
G(PAL)、または、P(NTSC)を選択してご使用ください。

ストリーム映像が表示されない(黒画面)場合

個別設定画面、および、機能拡張ソフトウェア設定画面において、ストリーム映像が表示されない（下図①のような黒画面状態のまま）場合、以下2点を確認してください。

1. プラグインソフトウェアインストール状況の確認
   コントロールパネル「プログラムと機能」上に「Network Camera View 4S」(プラグインソフトウェア)が表示されていることを確認してください。　表示されていない場合、個別設定画面の右上（②）にある「プラグインソフトウェア」をクリックして、 プラグインソフトウェアをインストールしてください。
2. Windows Defender ファイアウォール設定の確認
   ファイアウォール機能により映像表示が制限されている可能性がありますので、下記手順に従い確認してください。
   - コントロールパネルから「Windows Defender ファイアウォール」を開きます
   - 「Windows Defender ファイアウォールを介したアプリまたは機能を許可」を選択します
   - 「許可されたアプリおよび機能のリスト」にある「iProAdvancedSettings.exe」の「パブリック」にチェックを入れてください。

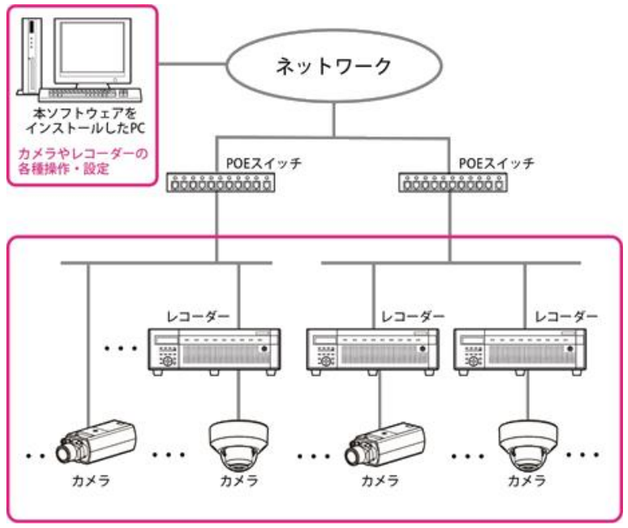
概要

i-PRO 設定ツール（以下、本ソフトウェア）は、ネットワークディスクレコーダー、（以下、レコーダー）および、ネットワークカメラ（以下、カメラ）、ネットワークインターフェースユニット（以下、エンコーダー）の各種設定をパーソナルコンピューター（以下、PC）からネットワークを経由して行うためのソフトウェアです。**本ソフトウェアはシステム設計やネットワーク管理をされているお客様がご利用されることを前提としています。**

対応機種については、別紙「機器別設定項目一覧(PDF ファイル)」をご確認ください。

なお、本書では Microsoft® Windows® 10 Pro における画面を例に説明しています。ほかの OS をご使用の場合や OS の設定によっては、画面表示が異なる場合があります。また、本書に記載の画面については、説明に支障のない範囲で以前のバージョンの表示画面を記載している場合があります。

システム構成図



本ソフトウェアは以下のシステム環境を持つ PC で使用できます。

OS※1	Microsoft® Windows® 11 Pro 日本語版 ※2,※3 Microsoft® Windows® 10 Pro 64 ビット日本語版 ※2,※3 Microsoft® Windows® 10 Pro 32 ビット日本語版 ※3
CPU	Intel® Core™ i5　2.5 GHz 以上推奨
メモリー	8 GB 以上
ハードディスク容量	本ソフトウェアのインストール用として 750MB の容量が必要です。※4 本ソフトウェアを使用するためには、Microsoft® .NET Framework 4.8 と、 Microsoft® Visual Studio 2005 Visual C++ 再頒布可能パッケージ、 Microsoft® Visual Studio 2013 Visual C++ 再頒布可能パッケージ、および Microsoft® Visual Studio 2015-2022 Visual C++ 再頒布可能パッケージが必要です。 これらがインストールされていない場合は、インストール時に 5GB の容量が必要です。
ディスプレイ	1,280 x 800 以上の解像度を推奨 True Color（24 ビット）以上の色数
インターフェース	100 Mbps 以上に対応したネットワークインターフェースカードが内蔵されていること。※5

※1： 本ソフトウェアは、Microsoft® Windows®10 のデフォルトのスタイル、および表示スケール 100%でデザインされています。スタイルまたは表示スケールを変更すると画面や映像が正しく表示されないことがあります。正しく表示されない場合には、表示スケール設定を 100%に変更してください。

※2： WOW64（32 ビット互換モード）で動作します。

※3：デスクトップモード のみ対応します。

※4： 本ソフトウェアのインストールとは別に、機器からダウンロードするデータの保存先等に使用するためのハードディスク容量を用意する必要があります。

※5： PC のネットワーク設定は、お客様のネットワーク環境にあわせて設定していただく必要があります。

重要

- 本ソフトウェアのインストールおよび起動は、「コンピューターの管理者」権限のあるユーザーが行ってください。管理者以外のユーザーがインストールまたはインストールした管理者以外のユーザーが起動した場合の動作は保証いたしません。
- 本ソフトウェアのインストールに際しては、zip ファイルを完全に展開した状態で「setup.exe」を実行してください。
  zip ファイルを展開せずに、Windows の標準機能でファイルが見えているだけの状態からのインストールはできません。
- 複数のアプリケーションと同時に本ソフトウェアを動作させた場合、CPU やメモリーなどの資源不足により、動作が不安定になる場合があります。負荷の高いアプリケーションと同時に使用しないでください。
- 機器の自動検出機能を持つ他のツール（IP 簡単設定ツール[EasyIpSetup.exe]、WV-ASM300 シリーズなど）を同時に使用すると、本ソフトウェアの機器検出機能は利用できなくなります。機器検出時は他のツールは起動しないでください。
- 使用する PC のユーザーアカウントに 2 バイト文字（全角文字）が含まれていると、インストールに失敗します。
  ユーザーアカウントには半角英数字を使用してください。
- Windows10 の場合は、HTTPS/TLS1.2 による通信になります。HTTPS/TLS1.3 による通信には対応しておりませんので、ご注意ください。

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④ 機器からダウンロードした設定データなどのパソコンにおける消失、あるいは漏洩などによるいかなる損害、クレームなど

オープンソースソフトウェアについて

本ソフトウェアでは、以下のオープンソースソフトウェアを使用しています。

ソフトウェア名称	著作権	ライセンス名称
System.Data.SQLite	System.Data.SQLite	MS-PL
DotNetZip	DotNetZip	MS-PL
MahApps.Metro	Mahapps .NET Foundation and Contributors	MIT License (MIT)
ControlzEx	Jan Karger, Bastian Schmidt	MIT License (MIT)
MaterialDesignThemes	James Willock, Mulholland Software and Contributors	MIT License (MIT)
MaterialDesignThemes.MahApps	James Willock, Mulholland Software and Contributors	MIT License (MIT) MS-PL
MaterialDesignColors	James Willock, Mulholland Software and Contributors	MIT License (MIT) MS-PL
Dragablz	James Willock, Mulholland Software and Contributors	MIT License (MIT)
MaterialDesignExtensions	Philipp Spiegel	MIT License (MIT)
SharpZipLib	SharpZipLib Contributors	MIT License (MIT)
Microsoft.DwayneNeed	Microsoft Corporation	MIT License (MIT)
Newtonsoft.Json	James Newton-King	MIT License (MIT)
WpfAnimatedGif	Thomas Levesque	Apache License 2.0
OpenCV	OpenCV Foundation ほか (License Agreement本文に記載)	BSD-3-Clause
Stylet	Antony Male and Contributors	MIT License (MIT)
GongSolutions.WPF.DragDrop	Jan Karger, Steven Kirk and Contributors.	BSD-3-Clause
MaterialDesignThemes.Wpf	Microsoft Corporation	MS-PL
Microsoft.Practices.ServiceLocation	Microsoft Corporation	MS-PL
Microsoft.Practices.Unity.Configuration	Microsoft Corporation	Apache License 2.0
Microsoft.Practices.Unity	Microsoft Corporation	Apache License 2.0
Microsoft.Practices.Unity.RegistrationByConvention	Microsoft Corporation	Apache License 2.0
Prism	.NET Foundation	MIT License (MIT)
Prism.Unity.Wpf	.NET Foundation	Apache License 2.0
Prism.Wpf	.NET Foundation	Apache License 2.0
ReactiveProperty	neuecc, xin9le, okazuki	MIT License (MIT)
ReactiveProperty.NET46	neuecc, xin9le, okazuki	MIT License (MIT)
System.Reactive.Core	.NET Foundation and Contributors	Apache License 2.0
System.Reactive.Interface	.NET Foundation and Contributors	Apache License 2.0
System.Reactive.Linq	.NET Foundation and Contributors	Apache License 2.0
System.Reactive.PlatformServices	.NET Foundation and Contributors	Apache License 2.0
System.Reactive.Windows.Threading	.NET Foundation and Contributors	Apache License 2.0
JSON for Modern C++	Niels Lohmann	MIT License (MIT)
OpenSSL	The OpenSSL Project, Eric Young	OpenSSL
boost	Beman Dawes, David Abrahams, Rene Rivera	BSL-1.0
Windows Caffe	The Regents of the University of California (Regents), the respective contributors	BSD-2-Clause
gflags	Google Inc.	BSD-3-Clause
glog	Google Inc. Jouni Malinen <j@w1.fi> and contributors	BSD-3-Clause
OpenBlas	The OpenBLAS Project	BSD-3-Clause
onnxruntime	Microsoft Corporation	MIT License (MIT)
log4net	The Apache Software Foundation	Apache License 2.0
python	Python Software Foundation	Python Software Foundation License 2.0
Noto Sans	The Noto Project Authors (github.com/googlei18n/noto-fonts)	OFL-1.1
Noto Sans Japanese	The Noto Project Authors (github.com/googlei18n/noto-fonts)	OFL-1.1
Noto Sans SC	The Noto Project Authors (github.com/googlei18n/noto-fonts)	OFL-1.1

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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