

i-PRO 設定ツール

操作の流れ



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) <プロフェッショナルモード> 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



項目	アイコン説明
機器通信	対象機器との通信開始順番待ち状態
全体共通	対象機器との通信を実行中
	対象機器との通信に成功した
	対象機器との通信に失敗した
機器管理者	対象機器の管理者情報が設定済である
設定状態	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(通信前のために状態が取得できていない機器)
フェイルオーバー	対象レコーダーはスレーブ設定(待機状態)です
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)
新ファームウェア/アプリケーション	対象機器の新しいバージョンのファームウェアが使用可能
	対象機器の新しいバージョンのAIアプリケーションが使用可能

(d) <機能拡張ソフトウェアの管理>のサブメニュー

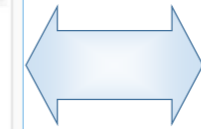
- (i) [アプリケーションの登録/更新] 機能拡張ソフトウェアの登録/更新ができます 最新版の「機能拡張ソフトウェア(全機能)」※2をダウンロードして、PC上に展開し、展開後のフォルダーを本メニューから指定してください
- (ii) [解除キーの発行] 解除キーの発行ができます 取得した起動ID番号と暗号ID番号を入力し、キー管理システム※3にログインすることで、解除キーが発行されます
- (iii) [解除キーの登録] 発行した解除キー番号をカメラに登録します
- (iv) [アプリケーションの設定] 機能拡張ソフトウェアの動作設定を行います
- (v) [アプリケーション/解除キーの削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

メイン画面の右側に各種操作メニューが表示されます



プロフェッショナルモード

ベーシックモード

ファイルのダウンロード

- ファイルのダウンロード
- ダウンロードしたいファイルを選択してください。「開始」ボタンをクリックするとダウンロードを開始します。 ※「ログファイル」については、メーカーからの送付依頼がある場合にのみご利用ください。
- 設定ファイル
- JPEG静止画(カメラのみ)
- ログファイル
- シーンファイル(カメラ)
- 機器一覧と静止画のレポートを作成する

ファイルのアップロード

設定情報をアップロードしたい機器の「カメラ」を選択し、設定ファイルを選択してください。「開始」ボタンをクリックするとアップロードを開始します。

ファームウェアの更新

ファームウェアの保存フォルダを選択してください。「開始」ボタンをクリックするとファームウェア更新を開始します。

カメラの一括設定

- カメラタイトル: WV-S1135V
- 画面内表示文字: Off
- 画面内文字: 左上
- 日付-時刻表示設定: 24h
- 日付-時刻表示位置: 左上
- 画面内文字表示位置: 左上
- 言語選択: 自動
- 画面同期: 0'(Off)
- 上下反転:
- PC時刻をカメラに設定する:
- 日付表示形式: Mmm/DD/YYYY
- サマタイム: Out
- 開始日時: 1月 第1 日曜日
- 終了日時: 1 AM

レコーダーの設定



全ての機器 ONVIF適合機器

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。

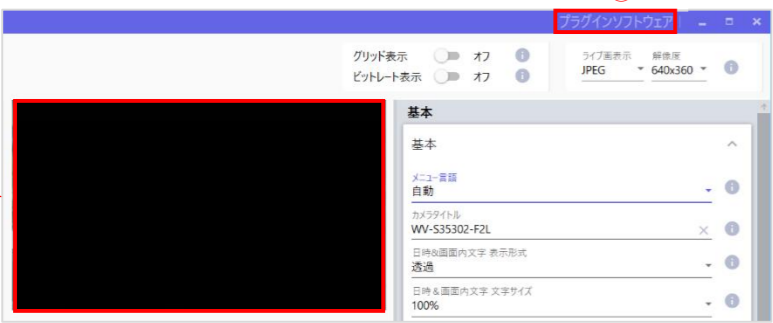
- AXIS: M1135, M3047-P, M3066-V, M5065, P1378, P1455-LE, Q1614
- Hanwha: PNO-A6081R, PND-A6081RV, QNB-6002, QNF-8010, XNF-8010R

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。

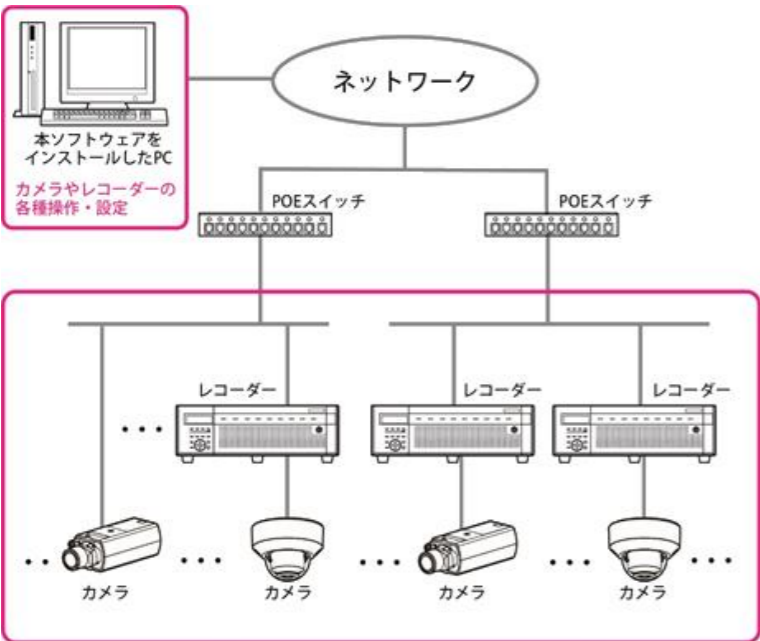
概要

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(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[EasypSetup.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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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
DotNetZip	DotNetZip	MS-PL
MahApps.Metro	Mahaapps .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
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Microsoft.DwayneNeed	Microsoft Corporation	MIT License (MIT)
Newtonsoft.Json	James Newton-King	MIT License (MIT)
WpfAnimatedGif	Thomas Levesque	Apache License 2.0
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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 Authors	Apache License 2.0
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/google18n/noto-fonts)	OFL-1.1
Noto Sans Japanese	The Noto Project Authors (github.com/google18n/noto-fonts)	OFL-1.1
Noto Sans SC	The Noto Project Authors (github.com/google18n/noto-fonts)	OFL-1.1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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All Python releases are Open Source (see <https://opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes

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- 本ソフトウェアをインストールしたPC を廃棄する場合は必ず設定を初期化し、なおかつ本ソフトウェアをアンインストールしてください。設定を初期化せずに本ソフトウェアをアンインストールした場合は、設定情報がPC 内部に残るため情報が漏えいする危険性があります。譲渡、修理を行う場合においても、必要に応じて上記手順を実施してください。
- 本ソフトウェアをインストールしたPC またはPC に接続している記憶媒体が譲渡、廃棄、修理などで第三者に渡る場合には、そこで取り扱うデータに十分に注意し、お客様の責任において譲渡、廃棄、修理を行ってください。記憶媒体を廃棄する際は、データを削除した後物理的に破壊することを推奨します。

ネットワークに関するお願い

本商品はネットワークへ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。

- 本商品を経由した情報の漏えいや流出
- 悪意を持った第三者による本商品の不正操作
- 悪意を持った第三者による本商品の妨害や停止

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。

- 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本商品を使用する。
- コンピューターが接続されているシステムで本商品を使用する場合、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。
- 不正な攻撃から守るため、ユーザー名と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。

- 画像データ、認証情報（ユーザー名、パスワード）、アラームメール、FTPサーバー情報などをネットワーク上に漏えいさせないため、それらの情報を格納しているサーバーや各種接続機器に対してユーザー認証でアクセスを制限するなどの対策を実施する。

グリッド表示機能について

グリッド表示機能は、機能拡張ソフトウェアを用いる際の設置位置調整にご使用頂けます。

機能拡張ソフトウェア毎の調整サイズについては、サポートウェブサイト<管理番号：CQ320>に掲載されています。



https://i-pro.com/products_and_solutions/ja/surveillance/learning-and-support/knowledge-base/technical-information

[お知らせ]日本以外でご使用の場合は下記をご参照ください。

<https://i-pro.com/global/en/surveillance/training-support/support/technical-information>

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