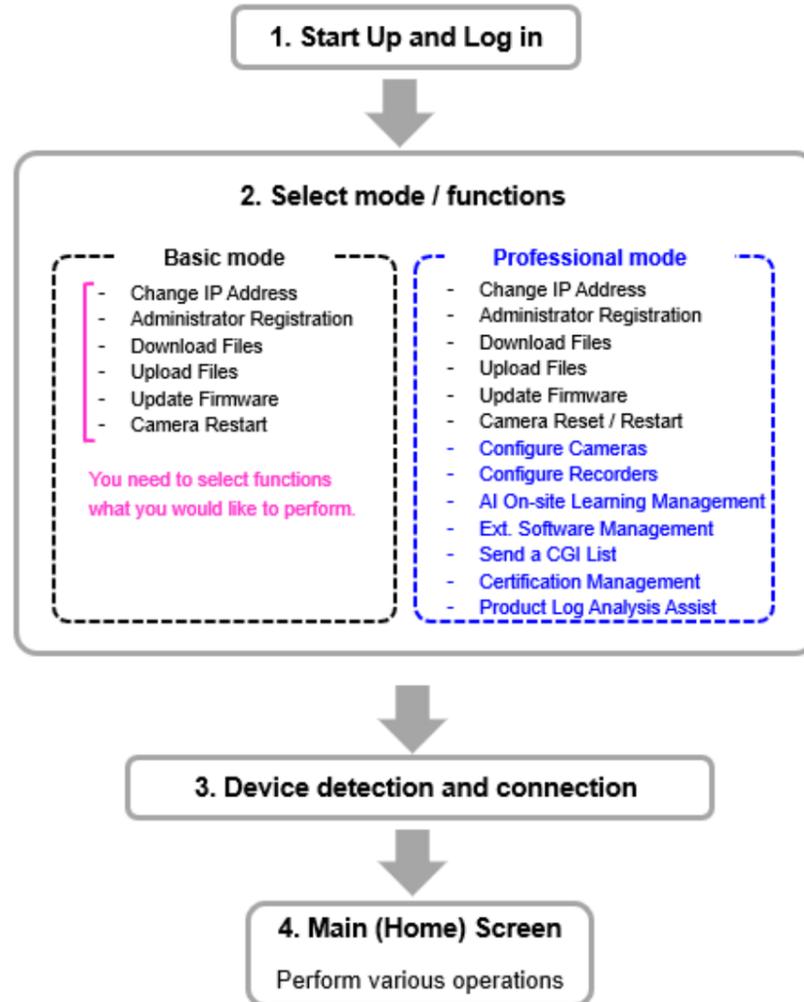


i-PRO Configuration Tool

Operation Flow

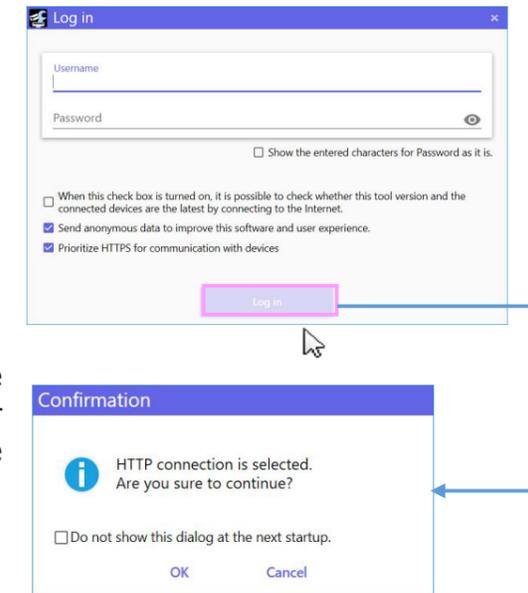


1. Start Up and Log in

Start Menu on Windows OS -> [i-PRO] -> [i-PRO Configuration Tool]

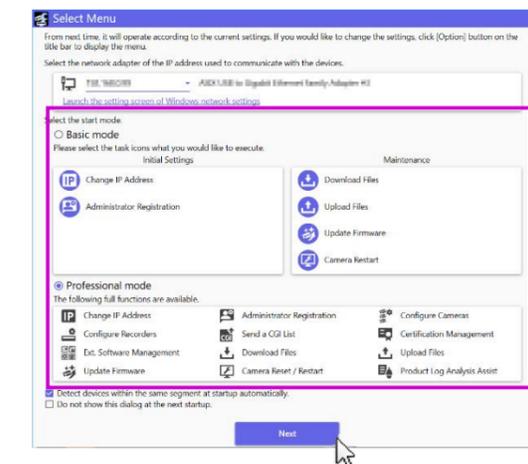


If "HTTP" is selected, a "Confirmation" screen will be displayed. The settings for the "Prefer HTTPS for connecting to devices" checkbox are saved in the "Option" settings.



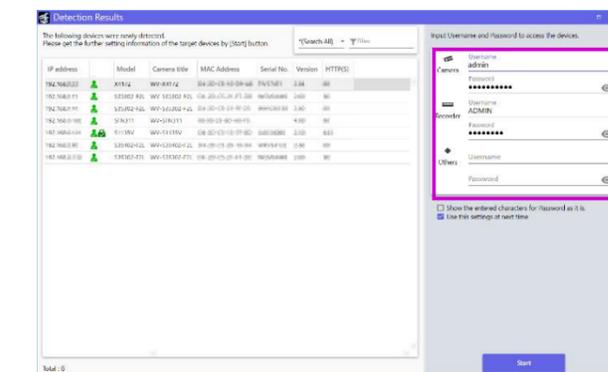
2. Select mode / functions

Select mode / click the function what you would like to operate and press "Next".



3. Device detection and connection

To connect to the device, you need to enter the username and password of the device.



4. Main (Home) Screen

(a) <Basic mode / Professional mode> common function

- (i) [Hamburger Icon] Switch between icon display and detailed display of the operation menu.
- (ii) [Select Menu] Select function menu.
- (iii) [Change IP Address] Set the IP address of the device.
- (iv) [Administrator Registration] Perform the initial settings of the device administrator.
- (v) [Download Files] Perform device settings / log file download
(You can also create a configuration report)
- (vi) [Upload Files] Upload the setting file to the device.
- (vii) [Update Firmware] Update the firmware on the device.
- (viii) [Camera Restart] Restart the cameras.

(b) <Professional mode> function

- (i) [Configure Cameras] Set multiple cameras from one unit.
- (ii) [Configure Recorders] Configure recorder settings (offline)
(Use the basic mode "Upload Files" to send settings to the device.)
- (iii) [AI On-site Learning Management] Manage AI On-site Learning
- (iv) [Ext. Software Management] Configure extension software / license settings
- (v) [Send a CGI List] Send CGI list to device
- (vi) [Certification Management] Manage certification for devices.
- (vii) [Camera Reset / Restart] Initialize / restart the cameras.
- (viii) [Product Log Analysis Assist] Assist product log Analysis.

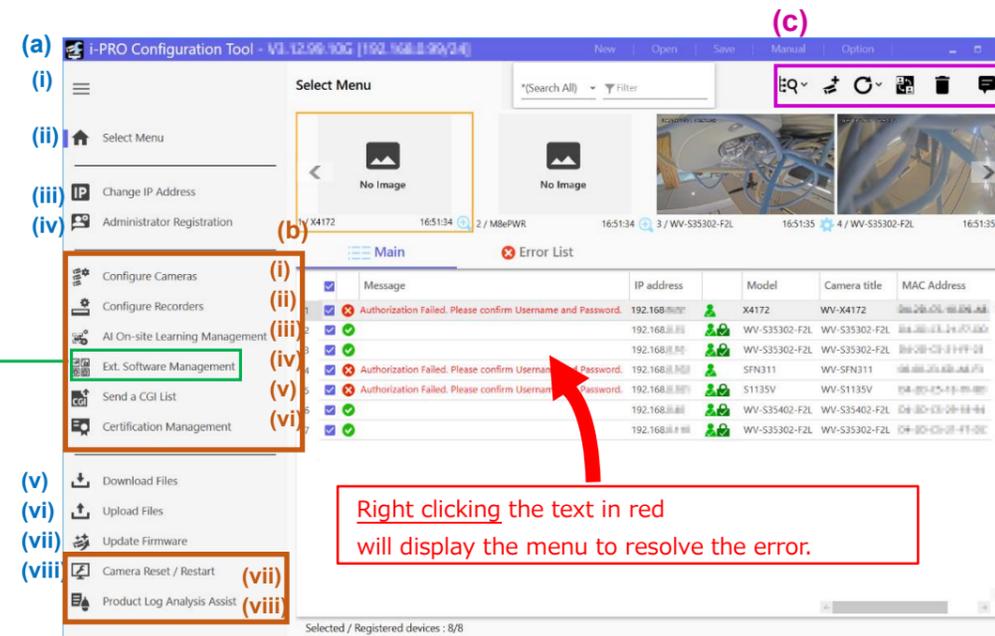
(c) Operation menu



(i) (ii) (iii) (iv) (v) (vi)

- (i) [Auto Device Detection] Devices on your own / other subnets can be detected and added
- (ii) [Manual Device Addition] Add cameras (offline)
- (iii) [Reload] Update the device list / thumbnail image view / Update the version information of the device and the Extension software.
- (iv) [Credential Settings] Change Username and Password to access the devices.
- (v) [Delete Devices] Delete the devices specified in the device list.
- (vi) [Notice] If there is notification, it will be displayed at the bottom right of the screen.

Please note that the function for changing the settings of devices such as cameras and recorders is in "professional" mode so that you will not accidentally change the detailed settings of your device.



Operation menu will be shown on the right side of the main screen.

Right clicking the text in red will display the menu to resolve the error.

- (i) App. Installation/Update
- (ii) Issuance of Reg.Key
- (iii) Registration of Reg.Key
- (iv) App. Settings
- (v) Remove App./Reg.Key
- (vi) Configure Docker extension module for i-PRO

| Item | Description |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Common to Communications | Waiting order to start communication with target device. Communication with target device is in progress. Communication with the target device successfully. Communication with the target device failed. |
| Administrator Registration Status | Administrator is already registered devices. Administrator is not registered devices. Administrator state unknown devices. (Uncommunicated device) |
| Failover | The operation is currently running in the failover mode. |
| Communication Status | Devices under HTTPS communication status. (There is no icon for HTTP communication status) |

(d) Sub menu of "Ext. Software Management"

- (i) [App. Installation/Update] Install / update the Ext. Software
Download the latest version of "Extension software Package *2 and unzip it. Specify the unzipped folder in the Folder field.
- (ii) [Issuance of Reg. Key] Issue a Reg. Key (Registration Key)
Issue a Reg. Key by entering the obtained Activation Key No./Registration ID and enter the User ID/Password of Key Management System *3.
- (iii) [Registration of Reg. Key] Register the issued the Reg. Key
- (iv) [App. Settings] Configure the application settings
- (v) [Remove App./Reg. Key] Delete the application / Reg. key
- (vi) [Configure Docker extension Module for i-PRO] Configure Docker extension Module for i-PRO

*2 : Please obtain the Extension Software Package from the following URL.

https://i-pro.com/products_and_solutions/en/surveillance/learning-and-support/tools/ict/extension-software-package

*3 : This function will be not available in case of maintenance of Key Management System or network failure.

Professional mode

Basic mode

Download Files

- Download Files
It is possible to download the selected files. When [Start] button is clicked, Download Files will be started. Are you sure to continue?
* Please use the "Log Files" only when the manufacturer requests to send the log.
- Configuration Files
- JPEG still images (For cameras only)
- Log Files
- Scene file (Camera)
- Create a new Report of the Device List and Image View.

Upload Files

- Select "Category" of the devices to which the configuration files is to be uploaded. When [Start] button is clicked, Upload Files will be started. Are you sure to continue?
- Category: Recorder Configuration File
- File name:
- Overwrite network settings

Update Firmware

- Please select the folder where the firmware is stored.
- Folder:

Configure Cameras

- Camera title: WV-S1135V
- Camera title on screen display: Off
- Camera title on screen: Off
- Date/time display setting: 24h
- Date/time position: Upper left
- Camera title position: Upper left
- Language: Auto
- Image rotation: 0°(Off)
- Upside-down: Off
- Set PC time to the camera: Off
- Date/time display format: Mmm/DD/YYYY
- Summer Time: Out
- Start Date/time: Jan 1st Sun
- Category: 1 AM
- End Date/time: Jan 1st Sun

Configure Recorders



ONVIF Conformant Device

ONVIF® conformant devices are displayed in the "ONVIF conformant Device" tab.

The following ONVIF compliant devices have been confirmed to work with this software.

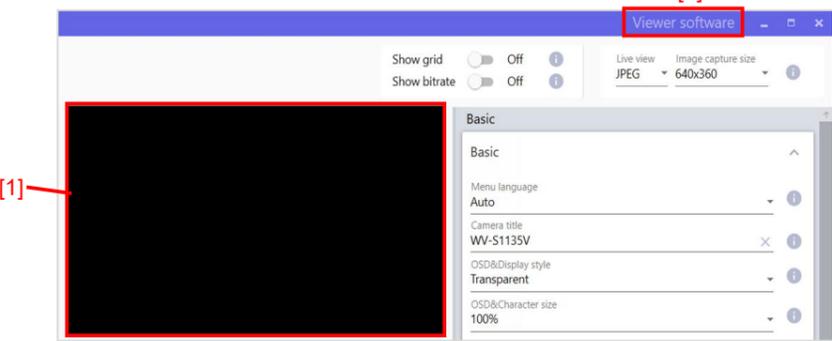
AXIS: M1135, M3047-P, M3066-V, M5065, P1378, P1455-LE, Q1614
Hanwha: PNO-A6081R, PND-A6081RV, QNB-6002, QNF-8010, XNF-8010R

Configure Recorders

If the recorder you are setting up is a WJ-NX200, WJ-HD616, or HJ-HD716, please select PAL(G) or NTSC(P) to use.

If the stream video (1)-(4) is not displayed (black screen)

In case of Stream video (1)-(4) is not displayed on the Camera Advanced Settings screen or Expansion Software Settings screen. (If the screen remains black as shown in [1] below), please check the following two points. [2]



1. The plug-in software installation status

Check that "Network Camera View 4S" (plug-in software) is shown on the control panel "Programs and Features". If it is not shown, click "Viewer Software" in the upper right corner [2] of the Camera Advanced Settings screen to install the plug-in software.

2. Windows Defender Firewall settings

If the video display may be restricted by the Windows firewall function, please follow the steps below.

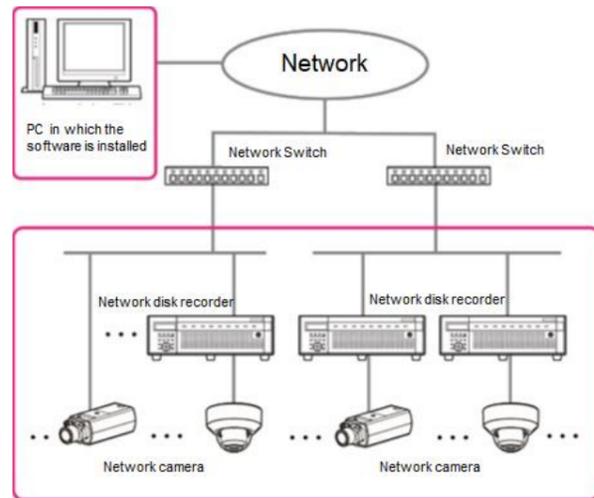
- Open "Windows Defender Firewall" from the control panel
- Select "Allow an app or feature through Windows Defender Firewall"

Preface

i-PRO Configuration Tool is the software that is designed to configure the settings of network disk recorders, network interface units (encoders) and network cameras using a PC via a network. This software is assumed to be used by system design and network management experts.

Refer to the provided "Available function list for each compatible device" (PDF file) about the compatible devices. Descriptions are based on the assumption that Microsoft® Windows® 10 Pro. In addition, the screens shown in this manual may include the previous versions within the scope of the explanation.

System configuration diagram



It is recommended to install this software on a PC that meets the following system requirements.

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| OS*1 | Microsoft® Windows® 11 Pro *2, *3 Microsoft® Windows® 10 Pro 64-bit *2, *3 Microsoft® Windows® 10 Pro 32-bit *3 |
| CPU | Intel® Core™ i5 2.5 GHz or faster |
| Memory | 8 GB or more |
| Required hard disk space | 750 MB of disk space is necessary for installation of this software. *4 |
| space | Microsoft® .NET Framework 4.8 and Microsoft® Visual C++ Redistributable |

Packages for Visual Studio 2005, Visual Studio 2013 and Visual Studio 2015-2022 are required to run this software. When they are not installed on a PC, additional 5 GB of disk space is necessary for installation.

| | |
|-------------------|-------------------------------------------------------------------|
| Monitor | 1,280 x 800 pixels or more, 24-bit True color or more |
| Network interface | Network interface card (100 Mbps or higher) must be installed. *5 |

*1: This software is designed based on the default style of Microsoft® Windows® 10 and 100% display scaling settings. It is not recommended to change the display style from the default. When the display style or the font size is changed from the default, it may be possible that the layout of this software collapses. If the screen or image view of this software is not displayed correctly, change the display scaling to 100%.

*2: Operates in WOW64 (32-bit mode).

*3: Supports "Desktop Mode" only.

*4: It is necessary to prepare other disk space exclusively as storage for files downloaded from the devices in addition to the required disk space for installation of this software.

*5: The network settings on the PC must meet those of the network environment where the PC is connected.

Important:

- This software must be installed or started by an administrator of the PC. Otherwise, any problems will not be covered by the warranty.
- For installation, be sure to execute it from "setup.exe" with the zip file fully expanded. It is not possible to install from a state where the contents are only visible without extracting the zip file.
- Do not use other applications, especially heavy load types, while this software is running. Otherwise, the CPU overload and the shortage of resources will cause malfunction and insufficient performance.
- When using other tools with automatic device detection function (Easy IP Setup Tool [EasyIpSetup.exe], WV-ASM300 etc.) at the same time, the device detection function of this software cannot be used.
- Enter 1-byte alphanumeric characters for user names. If 2-byte characters are included, installation may fail.
- For Windows 10, communication will be via HTTPS/TLS1.2. Please note that communication via HTTPS/TLS1.3 is not supported.

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| 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 |
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| glog | Google Inc. Jouni Malinen <j@w1.fi> and contributors | BSD-3-Clause |
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| log4net | The Apache Software Foundation | Apache License 2.0 |
| python | Python Software Foundation | Python Software Foundation License 2.0 |
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| Noto Sans Japanese | The Noto Project Authors (github.com/googlei18n/noto-fonts) | OFL-1.1 |
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A. HISTORY OF THE SOFTWARE

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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 Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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 |
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |
| 2.2 and above | 2.1.1 | 2001-now | PSF | yes |

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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