i-PRO Configuration Tool

Operation Flow

1. Start Up and Log in

2. Select mode / functions

Basic mode

- Change IP Address
- Administrator Registration
- Download Files
- Upload Files
- Update Firmware
- Camera Restart

You need to select functions what you would like to perform.

Professional mode

- Change IP Address
- Administrator Registration
- Download Files
- Upload Files
- Update Firmware
- Camera Reset / Restart
- Configure Cameras
- Configure Recorders
- Send a CGI List
- Certification Management
- Ext. Software Management
- Status of Cameras

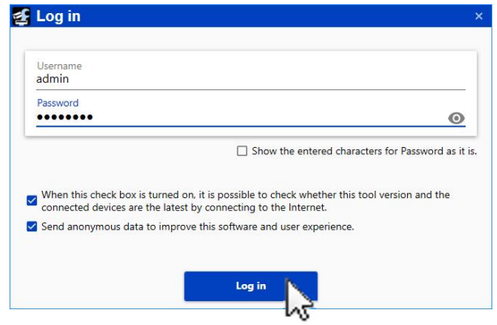
3. Device detection and connection

4. Main (Home) Screen

Perform various operations

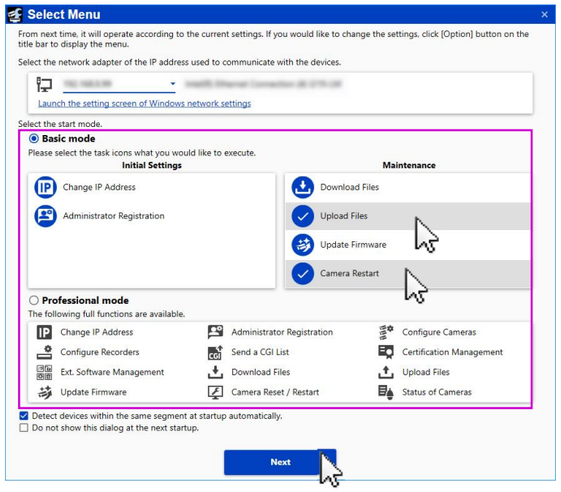
1. Start Up and Log in

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



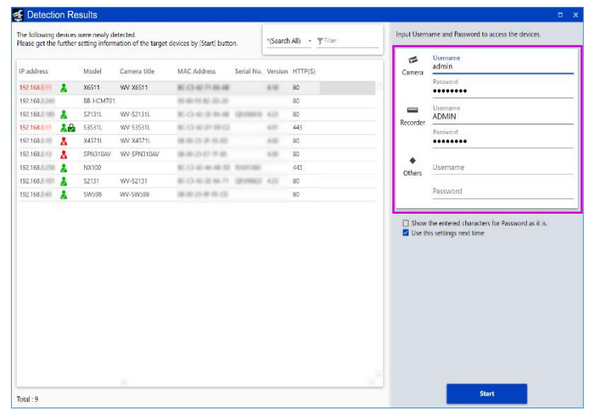
2. Select mode / functions

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.

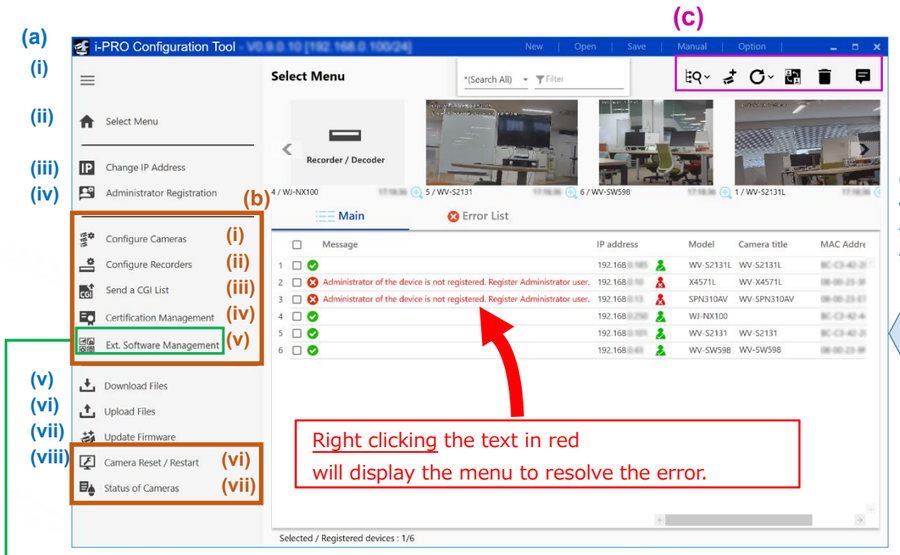
(b)<Professional mode> function

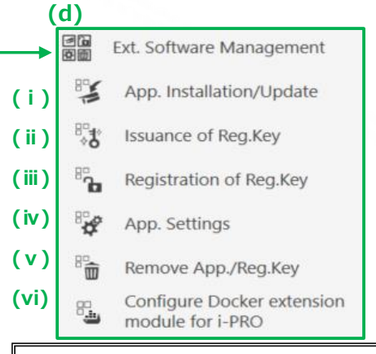
(i)[Configure Cameras] Set multiple cameras from one unit.
(ii)[Configure Recorders] Configure recorder settings (offline)
(Use the basic mode "Upload Files" to send settings to the device.)
(iii)[Send a CGI List] Send CGI list to device
(iv)[Certification Management] Manage certification for devices.
(v)[Ext. Software Management] Configure extension software / license settings.
(vi)[Camera Reset / Restart] Initialize / restart the cameras.
(vii)[Status of Cameras] Retrieves / displays of camera operating status.

(c)Operation menu

(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.
(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.

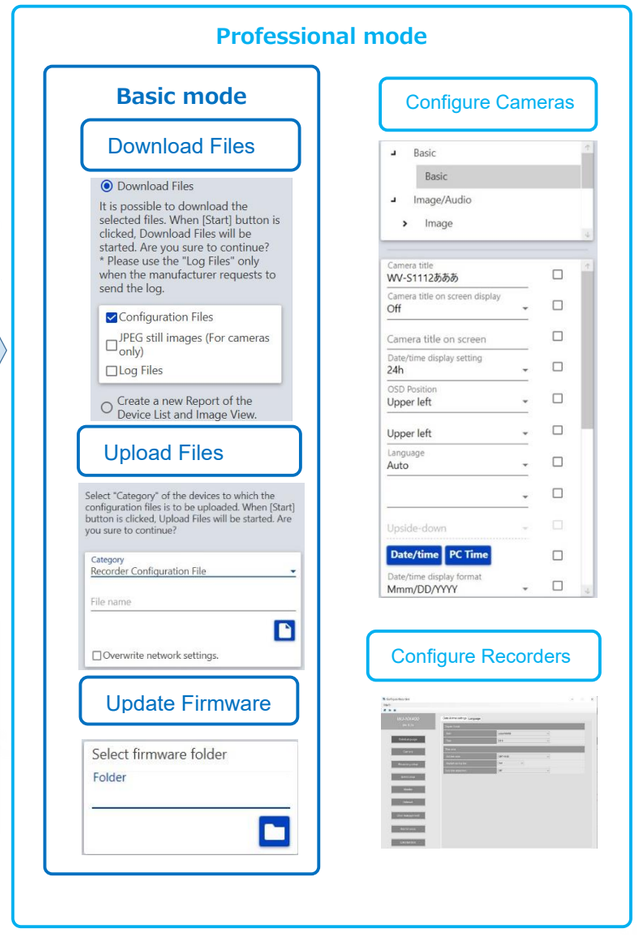
Please note that the function for changing the settings of devices such as cameras and recorders is in "professional" mode so that you will not accidentally change the detailed settings of your device.





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)

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



(d) Sub menu of “Ext. Software Management”

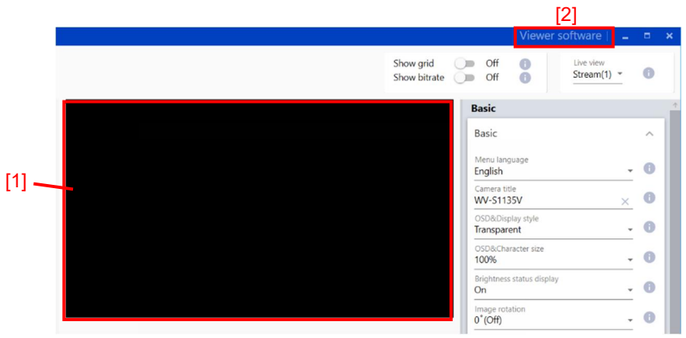
(i)[App. Installation/Update]	Install / update the Ext. Software Download the latest version of "Extension software Package *2 and unzip it. Specify the unzipped folder in the Folder field.
(ii)[Issuance of Reg. Key]	Issue a Reg. Key (Registration Key) Issue a Reg. Key by entering the obtained Activation 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.

Main 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

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.



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"
- Please check "Public" for "iProAdvancedSettings.exe" in the list of "Allowed apps and features"

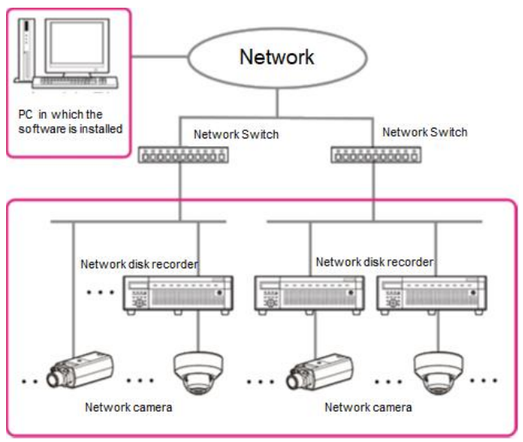
Preface

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 of faster
Memory	8 GB or more
Required hard disk space	700 MB of disk space is necessary for installation of this software. *4 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 with the 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.

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boost	Beman Dawes, David Abrahams, Rene Rivera	BSL-1.0
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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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