

Wisenet Device Manager

User Manual

TABLE OF CONTENTS



- 14 Help
- 15 Search
- 17 Add Devices
- 20 Authentication
- 22 Assign IP
- 26 Report
- 27 Firmware
- 30 Config Backup and Restoration
- 33 Change List Layout

Utilizing the Device List



- 35 Select Device
- 36 Status Update
- 37 View Live Video
- 41 Edit Device Name

Device Setup



- 42 Device Setup Menu
- 43 Video Profile
- 46 Date & Time
- 47 IP & Port
- 48 Video Setup
- 49 Audio setup
- 51 Camera Setup
- 53 Focus Setup
- 54 Color Palette
- 55 Https
- 56 802.1x
- 58 SNMP
- 59 Auto IP Configure
- 60 Event setup
- 62 Multicast
- 63 Language
- 64 Restart
- 65 Log Backup
- 66 Open Platform
- 67 CGI Sender
- 68 Network Diagnosis
- 70 User Access List

Introduction

DEVICE MANAGER

You can manage the devices of Hanwha Techwin installed on the network conveniently and efficiently through the Device Manager.

- You can automatically search for devices installed on the same network.
- You can classify and manage through categories for each product group.
- You can manually install devices not found.
- You can manage the devices separately by project according to their purpose. Security management is also available through password settings.
- You can setup IP address and password for registered devices.
- You can check and update the F/W version for registered devices.
- You can check the live video of registered devices.
- You can configure the functions of the devices through the Device Manager.
- It provides the function to display status of devices.
- Network diagnosis can be performed for registered devices.
- You can import and export the setting value for registered devices.
- You can check the system logs of registered devices.
- You can configure system restart, CGI command transmission and response display, device time synchronization, etc. for multiple devices.

SYSTEM REQUIREMENTS

Category	System Specifications
Operation System	Windows XP, Vista, 7, 10 (64-bit supported)
Required Software	Microsoft .NET Framework 4.7.2 Client Profile Microsoft Visual C++ 2010 Redistributable Package (x86)
CPU	Pentium III CPU over 1GHz
Graphic Card	(1024x768 or higher) Video graphic card
Application support language	Korean, English

Installation

Installation

You can download the Device Manager by accessing the website of Hanwha Techwin (http://www.hanwha-security.com) and download from <Technical Guide> - <Online Tool>.

1. Double click the Wisenet Device Manager you have downloaded.



2. Select the installation language.

Installer La	anguage	\times
	Please select a language.	
	English	~
	OK Cancel	

3. Click [Next>] button when Start Installation window is displayed.

💮 Wisenet Device Manager !	Setup — 🗆 🗙
	Welcome to the Wisenet Device Manager Setup Wizard
WISENET	This wizard will guide you through the installation of Wisenet Device Manager.
	It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
	Click Next to continue.
	Next > Cancel

4. Agree to terms of use and click [Next>] button.

Wisenet Device Manager Setup		×
Please review the license terms before installing Wisenet Device Manager.	wise	Net
Press Page Down to see the rest of the agreement.		
NOTICE: Harwha licenses the accompanying software to you only upon the that you accept all of the terms contained in this license agreemer Please reads the terms carefully before contuning installation, as p the "Yes" button will indicate your assent to them. If you do not these terms, please press the "No" button to exit instal as Harwh to license the software to you, in which event you should return t with proof of purchase to the dealer.	e condition nt. oressing agree to a is unwilling he full product	~
LICENSE AND WARRANTY:		~
If you accept the terms of the agreement, dick the check box belo agreement to install Wisenet Device Manager. Click Next to contin	w. You must accep ue.	ot the
I accept the terms of the License Agreement		
Hanwha techwin		
< Back	Next >	Cancel

Installation

5. Designate the installation path and click [Install] button.

Setup will install Wisenet Device Manager in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.						
Destination Folder	Destination Folder C:\Program Files (x86)\Wisenet\Wisenet Device Manager Browse					
Space required: 77.9MB Space available: 79.0GB						
Hanwha techwin	< Back Install Cancel					

- 6. Click [Finish] button when installation is complete..
- 7. Click the shortcut icon on desktop to launch the Device Manager.

	Completing the Wisenet Device Manager Setup Wizard
WISENET	Wisenet Device Manager has been installed on your computer.
	Click Finish to dose this wizard.
	Run Wisenet Device Manager

MAIN SCREEN

The screen of the Device Manager consists of the following.



Name		Function description
1 Program menu You can conf		You can configure settings necessary to use the Device Manager.
2	Tool box	It provides settings to control the devices.
3	Layout selection bar	You can select the registered device list viewing method. (Large icons/Small icons/View details)
4	Select tool	You can select a registered device.
5 Update all You can update the status of all registered devices.		You can update the status of all registered devices.
6 Device setup menu You can configure the functions of the selected device.		You can configure the functions of the selected device.
7 Device list It displays the list of registered devices.		It displays the list of registered devices.
8 Network status It displays the current network status and IP address for the PC in use.		It displays the current network status and IP address for the PC in use.
9	Filtering	It classifies the devices found into product groups and displays them on a list.
10	Sites	You can group and manage the devices in units of site.

Setup Device Manager

PROJECT

The registered device list can be managed in units of project and it can save and open project information. Select **<Project>** menu.

WISE NET	Project Syste	em Network	Help					
Q Search	New Proje Open Proj Save Proje	ect ect ect	с	redential		IP /	Assign	
Site	Exit	=		•==	Select	All	Clear	Reverse
⊡- Site New Site #1		Model		Status	N	ame	IP mode	IP Addres
Produ	ıcts							
All Devices(5) - IP Camera/ - Login	/Encoder(3) OK(3) Fail(0)							

New Project

Erase all currently registered device lists to create a new project.

Open Project

Open the project saved in xml file to add the devices of the project to the list.

Password is required when opening a project.

Add the saved devices to the list when the file is open. It automatically updates the status of devices.



Open the project to automatically update the status of the devices.

Save Project

Save the registered device list as a file. The information can only be checked through the Device Manager since it is saved in encrypted xml file format. Setup password.

Massword Setting		Х
Password		
Confirm Password		
	ОК	



Remember the password because you must enter the password when opening saved projects.

SYSTEM

You can setup the system of the Device Manager.

WISENET Project	System Network Help	
٩	Status Monitor	
Search	Language IP Assign	
Sites	Device TimeSync Setting	
	Firmware Download Path ect All Clear Re	verse
New Site #1	Device Search Time Setting	
	Web browser Setting Name IP mode	IP Addres
	Device Default Credential Setting UnKnown DHCP	192.168. 0
	Show Log Camera DHCP	192.168. 0
Products	Camera DHCP	192.168. 0
- in -	🙁 XND-9082R Connect Fail Camera DHCP	192.168. 0
All Devices(5)	🕜 SPD-400 Ready Unknown Static	192.168. 1
En le Camera/Encoder(3) ⊕ Login OK(2) Login Fail(0)		

Status Monitoring

This is a function that indicates the connection status of the devices. You can configure the monitoring of change in device status through the **<Status Monitor>**.

- ON: Real-time monitoring is activated.
- OFF: Real-time monitoring is deactivated.

Monitoring Message

When **<Status Monitoring>**is **<ON>**, the monitoring is maintained as the program runs in the background even if the Device Manager window has been closed.

To end the Device Manager, turn **<Status Monitoring>** - **<OFF>**, and then close the Device Manager window or right click the Device Manager icon in the system tray and click **<Exit>**.



Real-time monitoring is only possible when the Device Manager is launched at least once after rebooting the PC.

Setup Device Manager

Status Monitoring Setup

You can configure the status monitoring period and log related options.

- Status Monitoring period: You can adjust the gap between device status monitoring in units of minute.
- Log Reserve Day: Setup the storage period of log files on PC.

🕍 Status MonitoringSetting		×
Status Monitoring Period :	20	min
Log Reserve Day :	7	day
Log Path :	C:\Users\user\Documents\dm로그	
	OK Close	

 Log path: You can designate the folder pathway to save log information. Log file will be deleted automatically after <Log Reserve Day>.



Status monitoring cannot be configured while status monitoring is operating. Turn status monitoring **<0FF>** before configuration.

Language Settings

You can setup the language of the Device Manager. After selecting the desired language, click **[OK]** button. Selected language will be applied immediately.

C	Setting			×
	Language			
	Language	:	English v	·
	[ОК	Close	

Device Time Synchronization Settings

You can setup the cycle of synchronization between the times of PC and device.

Check **<Use Time Sync>** item and then select the time period.

🕍 Time Sync Setting	;	×
Use Time Sync Period : 1	→ Hour	
ОК	Close	

Firmware Download Pathway

You can designate the folder pathway to save on PC when you download the firmware.

Directly enter a new pathway or click [....] button to designate the folder pathway.

🕍 Firmware Setting		×
Firmware		
File Download Path	C:\Users\Public\Documents\Wisenet\Wisenet Device Manager	
	OK Close	

Device Search Time Setting

You can configure the time to search for device in increments of 5 seconds. Configurable time is 5 to 60 seconds.

🕍 Search Setting		×
Search duration time :	5 • sec	
	Apply	

Web Browser Settings

You can double click the desired device to launch the web viewer through the web browser. You can select the type of web browser used in such instance.



 You can select one of the web browsers currently installed on PC.

🕍 Web browser Set	×	
Web browser	Chrome	~
Apply	Close	

Device Default Setting

Attempt auto login with configured ID and password.

Mevice Default Setting	×
Default ID :	admin
Default Password :	
Default Password(Confirm) :	
	Apply

Show Log

You can view the records for status change of devices. Select the desired date to search.

	5					
			Friday ,	October 23, 2020 🗸		Ľ
No	Time	Model Name	MAC Address	IP address	Description	Result
1	16:56:00	TNM-3620TDY	00:09:18:66:B1:40	192.168.0.64	Status Change	Ok-> ConnectFail
2	16:56:20	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	Status Change	ConnectFail->Ok
3	16:58:21	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	Status Change	Ok-> ConnectFail
4	16:56:00	TNM-3620TDY	00:09:18:66:B1:40	192.168.0.64	Status Change	ConnectFail-> Ok
5	16:56:20	XNV-8040R	00:16:6C:F9:29:7B	192.168.0.14	Status Change	Ok-> ConnectFail
6	16:58:21	TNM-3620TDY	00:09:18:66:B1:40	192.168.0.64	Status Change	Ok-> ConnectFail
7	16:56:00	XNV-8040R	00:16:6C:F9:29:7B	192.168.0.14	Status Change	ConnectFail->Ok
8	16:56:20	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	Status Change	ConnectFail-> Ok
9	16:58:21	TNM-3620TDY	00:09:18:66:B1:40	192.168.0.64	Status Change	ConnectFail-> Ok
10	16:56:20	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	Status Change	Ok->ConnectFail
11	16:58:21	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	Status Change	ConnectFail->Ok
12	16:56:00	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	Status Change	Ok->ConnectFail
13	16:56:20	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	Status Change	ConnectFail->Ok
14	16:58:21	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	Status Change	Ok->ConnectFail
10	17.01.07	VNO 00920	00-00-19-64-66-06	102 169 0 42	Status Change	Ok a ConnectEail

- Time: Time of status change
- Model name: Model name with status change
- MAC address: MAC address of model with status change
- IP address: IP address of model with status change
- Description: Reasons for logging such as connection status change, device config backup & restore, device restart, device factory reset change, etc.
- Result: History of connection status change



Log creation related settings can be configured through status monitoring setup.

Click the calendar image on top of the log information window to designate and search the desired date.

NETWORK

You can check and delete the ARP of the PC where the Device Manager is installed.

What is ARP (Address Resolution Protocol)? It is a protocol used to change the MAC (Physical network address) of the device IP address. Generally, you save the MAC address of the destination in a tabular format in the memory called ARP cache when PC is communicating with a network. Then, it is used again when sending the packet.

WISENET Project	System	Network	Help				
Q Search Add I		Delete Show	ARP ARP Credential	IP			
Sites				Select All	Clear	Reverse	
···· New Site #1		Model	Status	Name	IP mode	IP Add	res
		🔰 XRN-2011	Login OK	NVR1	DHCP	192.168.	0
		> XNV-8040R	Login OK	Camera	DHCP	192.168.	0
		TNM-3620TE	V Login OK	Camera	DHCP	192.168.	0
Products		> XNO-9082R	Login OK	Camera	DHCP	192.168.	0
— All Devices(5) ☐ IP Camera/Encoder(☐ Login OK(3) ☐ Login Fail(0)	3)	3 SPD-400	Ready	Unknown	Static	192.168.	1

Delete ARP

When the IP address and MAC address recorded have changed, use the function to delete the ARP table on PC to prevent incorrect network communication.

Show ARP

Display the IP address and MAC address saved in ARP cache of the current PC.

🕍 Show ARP		×
MAC Address	00 09 18 64 f5	95 192.168.0.42
Number	IP Address	MAC Address
0	192.168.0.1	70-5d-cc-05-64-fc
1	192.168.0.13	b4-2e-99-43-75-fe
2	192.168.0.14	00-16-6c-f9-29-7b
3	192.168.0.40	b4-2e-99-45-c7-7b
4	192.168.0.42	00-09-18-64-f5-95
5	192.168.0.61	00-09-18-00-55-56
6	192.168.0.64	00-09-18-66-b1-40
7	192.168.0.250	f4-81-39-b3-c2-a8
8	192.168.0.255	ff-ff-ff-ff

Setup Device Manager

HELP

You can check the user manual and version information to help with instructions and understanding of the Device Manager.

WISENET Project	t System	Network	Help				
Q Search	+ Add Devi	▼	Help About Credential	IP	Assign		
Sites				Select All	Clear	Reverse	
···· New Site #1		Model	Status	Name	IP mode	IP Add	res
		2 XRN-2011	Login OK	NVR1	DHCP	192.168.	0
		> XNV-8040R	Login OK	Camera	DHCP	192.168.	0
		TNM-3620TC	DY Login OK	Camera	DHCP	192.168.	0
Products		🔰 XNO-9082R	Login OK	Camera	DHCP	192.168.	0
- All Devices(5) - IP Camera/Encoder(3) - Login OK(3) - Login Fail(0)		SPD-400	Ready	Unknown	Static	192.168.	1

Help

You can view instructions for the Device Manager in PDF format.

About

You can check the information of the Device Manager installed.



SEARCH

You can search for Hanwha Techwin devices connected on the same network.

1. In the tool box, click [Search] button.

WISENET Project Syste	em Network H	Help		
Q - Search Add I	evices	Credential	IP Assig	n
Sites			Clash All	Davana
⊡ Site	M= 1 1	ц в==	Select All Clear	Keverse
···· New Site #1	Model	Status	Name IP n	node IP Address
Products				
- All Devices(0) → IP Camera/Encoder(0) → Login OK(0) → Login Fail(0) → Connect Fail(0)				

2. When the search begins, list of devices connected to the network is displayed.

TISHINGT Project Sys	stem Network	Halp															- 0
Q Search Add	+ . d Devices	fil Credentia		r∰. Assign										E Report	E,	N .	© Coefig
Step Ste	s:	0 #	Select AI	Oear Rev	-	Update All											+
	Model	Status	Name	IP mode	IP Address	MAC Address	F/M Version	F/W Status	ISP	Mation B/D	S/N	P Venion	Last refreshed				
Articles 44 December 94 Caseline 94 Caseline 94 Caseline 194 Caseli								Searching (4%)			×						
Network Status																	



■ To setup device search time, go to <System> → <Device Search Time Setting>.

<u>Setup Device Manager</u>

3. It displays the information for the registered devices on the list.

Select All Clear Reverse Update All											
Model	Status	Name	IP mode	IP Address	MAC Address	F/W Version	F/W Status				
XRN-2011	Ready	UnKnown	DHCP	192.168. 0.61	00:09:18:00:55:56	Unknown	Unknown				
XNV-8040R	Login OK	Camera	DHCP	192.168. 0.14	00:16:6C:F9:29:7B	1.40.02_201910	Latest	1.6			
TNM-3620TDV	Login OK	Camera	DHCP	192.168. 0.64	00:09:18:66:B1:40	2.09.99_202009	Unknown	0.0			
SPD-400	Ready	Unknown	Static	192.168. 1.200	00:16:6C:78:89:2A	Unknown	Unknown				
HRD-443	Ready	HRD-443	Static	192.168. 0.60	00:16:6C:FB:7E:EB	Unknown	Unknown				
XNO-9082R	Login OK	Camera	DHCP	192.168. 0.42	00:09:18:64:F5:95	1.49.99_202003	Old version	0.0			



NVR devices may not be found due to IP conflict. In such case, check the network settings in the NVR device setup menu. Refer to the product manual for more details.

Forced login is required for devices aside from IP cameras.



- When devices are not found, check the connection status of routers/hubs/etc. connected to the devices.
- When there are more than 2 routers connected, one router should be used in hub mode to prevent IP conflict.

ADD DEVICES

Devices not connected to the same network as the PC installed with the Device Manager cannot be found through the [Search] function. In such case, you can manually enter the IP information of the device to add it to the device list.

1. In the tool box, click [Add Devices] button.



2. For device registration, select <Manually Add Device>, <CSV Add Device> or <Wisenet QR Add Device>.

Manually Add Device

• You can manually enter the model name, IP address range, HTTP port, Https port, device port, ID, and password to add the device.

Model Name	Wisenet Network Camera/Encoder
- IP Address Rang	e
Start	
End	· · ·
HTTP Port	80
Https Port	443
Device Port	4520
ID	
Password	
	Advance Register Close



Enter the starting address and the ending address for the range when there are multiple devices within a certain range of IP address to register them all at once.

- In <Advanced> option, you can designate the IP address range even more specifically.
- You can only register devices configured with ID and password for manual registration.

CSV Add Device

• When the report including the device has been saved in CSV format using the Device Manager, you can import the CSV file to add the device.

Select the device to register from the imported CSV file list and click [Try Add Device] button.

G	CSV Add D	evice						×	1
[Load CS\	/ File CS	SV Sample						I
	Туре	ld	Password	IP Address	Http Port	Https Port	Device Port	Result	I
	1	TNM-3620TD	192.168.0.64	00:09:18:66:B1:40	Ok	ZQM770GN8	Camera		L
	2	XNO-9082R	192.168.0.66	00:09:18:64:F5:95	Ok	ZQ9W70GN4	Camera		J.
	3	XNP-9300RW	192.168.0.58	00:09:18:E1:A2:42	Ok	8000	Camera		J.
							Try Add Dev	vice Close	J

Wisenet QR Add Device

You can use the Wisenet QR app to register offline devices.

- 1. Download and install the Wisenet QR app from Google Play or the App Store.
- 2. When installation is complete, launch Wisenet QR app.
- **3.** Use the app to scan the QR code on the label attached to the package or device.
- 4. When scan is complete, model information and serial number are generated on the list.
 - Tap the [=] button to check the saved device list.
- 5. Tap the [] button to upload the device list to the cloud or to send as email.
 - The device list is saved in CSV format.



Model Information	Serial Number
PNM-9000QB/KUS 00-09-18-66-75-CE	ZP0N70GN70000EP
XNO-9082R/KAN 00-09-18-64-F5-95	ZQ9W70GN40000VH
TNM-3620TDY/KUS 00-09-18-66-B1-40	ZQM770GN80000PM

- 6. Select <Add Device> → <Wisenet QR Add Device> in the Device Manager.
 - Download the device list from PC before launching the Wisenet QR Add Device menu.
- 7. Click <Load CSV File> button, and select the downloaded device list.

	evice											-		×
Load CSV File	CSV Sample													
Model	MAC	Serial	Password	IP(Old)	IP(New)	Gateway	Subnet mask	DNS1	DNS2	Http	Https	RTSP	Result	
TNM-3620TD	00:09:18:66:81:40	ZQM770GN80000PM	*******	192.168.0.64	192.168.0.64	192.168.0.1	255.255.255.0	168.126.63.1	168.126.63.2	80	443	554		
XNO-9082R	00:09:18:64:F5:95	ZQ9W70GN40000VH	*******	192.168.0.66	192.168.0.66	192.168.0.1	255.255.255.0	168.126.63.1	168.126.63.2	80	443	554		
XNP-9300R	00:09:18:E2:66:F9	ZQJ470GN800003F		192.168.0.67	192.168.0.67	192.168.0.1	255.255.255.0	168.126.63.1	168.126.63.2	80	443	554		

8. Click <Try Add Device> button to start device registration.

	enet QR Add De	evice											-		2
.01	ad CSV File	CSV Sample													
	Model	MAC	Serial	Password	IP(Old)	IP(New)	Gateway	Subnet mask	DNS1	DNS2	Http	Https	RTSP	Result	
	TNM-3620TDY	00:09:18:66:81:40	ZQM770GN80000PM	*****	192.168.0.64	192.168.0.64	192.168.0.1	255,255,255,0	168.126.63.1	168.126.63.2	80	443	554	Complet	te
	XND-9082R	00:09:18:64:F5:95	ZQ9W70GN40000VH		192.168.0.66	192.168.0.66	192.168.0.1	255.255.255.0	168.126.63.1	168.126.63.2	80	443	554	Complet	te
	XNP-9300R	00:09:18:E2:66:F9	ZQJ470GN800003F	*******	192.168.0.67	192.168.0.67	192.168.0.1	255,255,255.0	168.126.63.1	168.126.63.2	80	443	554	Complet	te

WISENET Project System	m Network Hel	р						
Q - Search Add D	evices	Credential	IF	Assign				
Sites		h a	Select All	Clear	Peverre	ndate All		
⊟- Site New Site #1		1 8== [Select All	Ciedi	Nevelse 0	puate Air		
201026_QR	Model	Status	Name	IP mode	IP Address	MAC Address	F/W Version	F/W Status
	TNM-3620TDY	Login OK	Camera	Static	192.168. 0.64	00:09:18:66:81:40	2.09.99_202009	Unknown
	XNO-9082R	Login OK	Camera	Static	192.168. 0.66	00:09:18:64:F5:95	1.49.99_202003	Unknown
	XNP-9300R	Login OK	Camera	Static	192.168. 0.67	00:09:18:E2:66:F9	2.00.02_202008	Unknown
Products								
All Devices(3) IP Camera/Encoder(3) Devices(3) Login OK(3) Login Fail(0) Connect Fail(0) Ready(0)								

Setup Device Manager

AUTHENTICATION

The admin password for the device must be entered for authentication in order to directly configure the settings of the registered device through the Device Manager.

1. Select the devices that require authentication from the list.



- 2. In the tool box, click [Credential] button.
- 3. After entering the admin password, click [Apply] button.

\checkmark	Model	MAC Address	IP Address	User ID	Result	
~	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	admin		
V	XNP-9300RW	00:09:18:E1:A2:42	192.168.0.58	admin		
	XNV-8040R	00:16:6C:F9:29:7B	192.168.0.14	admin		
						-
Netwo User IE	rk Camera only su	admin				
Netwo User IE Curren	rk Camera only su) : it PW :	admin				
Netwo User IE Curren	rk Camera only su) : it PW :	admin				
Netwo User IE Curren New P	rk Camera only su) : it PW : assword :	admin				
Netwo User IE Curren New P Confin	rk Camera only su) : tt PW : assword : m Password :	admin				
Netwo User IE Curren New P Confin	rk Camera only su): t PW: assword : m Password :	admin				

4. Login status of each device is displayed in <Result>.



The admin password can only be used at one place at a time for NVR devices. When the admin password is used to login at another location, forced login is required for the administrator login on the Device Manager.

Change Device Password

×.	Model	MAC Address	IP Address	User ID	Result	
~	XNO-9082R	00:09:18:64:F5:95	192.168.0.42	admin		
~	XNP-9300RW	00:09:18:E1:A2:42	192.168.0.58	admin		
J	XNV-8040R	00:16:6C:F9:29:7B	192.168.0.14	admin		
Netwo User II	ork Camera only su D :	pports connection test.	* Password Rule			
Netwo User II Currer	ork Camera only su D : nt PW :	pports connection test.	* Password Rule Password is at least 8 ch If the password is less th	aracters long. an 10 characters, it i	must contains at least	
Netwo User II Currer	ork Camera only su D : nt PW :	admin	* Password Rule Password is at least 8 ch If the password is less th three of the following ru If the password is more	aracters long. Ian 10 characters, it Ies. than 10 characters, i	must contains at least t must contains at leas	t
Netwo User II Currer New P	ork Camera only su D : nt PW : 'assword :	admin	* Password Rule Password is at least 8 ch If the password is less th there of the following rule two of the following rule	aracters long. Ian 10 characters, it i les. than 10 characters, i s.	must contains at least t must contains at leas	t
Netwo User II Currer New P Confir	ork Camera only su D : ht PW : assword : m Password :	admin	* Password Rule Password is at least 8 ch If the password is least th three of the following rul If the password is more two of the following rule Upper/lower case letters The same character can it	aracters long. Ian 10 characters, it i les. than 10 characters, i is. not be repeated than not be repeated than	must contains at least t must contains at leas n four.	t
Netwo User II Currer New P Confir	ork Camera only su D : ht PW : lassword : m Password :	admin	* Password Rule Password is at least 8 ch If the password is less th J three of the following rule Upper/lower case letters The same character can And More than four cont	aracters long. an 10 characters, it les. than 10 characters, i s. not be repeated tha inous character can	must contains at least t must contains at leas n four. not be used.	t

You can configure new password on the device credential window.

- 1. Select the device to change password and then enter the admin password.
- 2. Check the <Change Password> box.
- 3. Enter the new password in <New Password>.
- 4. Enter the new password one more time in <Confirm Password>.
- 5. Click [Apply] button when configuration is complete.



• You can only change the password of the IP camera.

Setup Device Manager

ASSIGN IP

This is a function to configure IP address of the devices. You can configure multiple devices at once.

1. Select the device to change the IP address.



2. In the Tool Box, click [IP Assign] button.

Setup Static IP

Manually enter the IP address and port information to setup.

When one device is selected

1. Select <Assign the following IP address>.

🕍 IP Assign - S	ingle device				×
	Obtain an IP ac	Idress automatically (DHCP)			
	Assign the follow	owing IP address	MAC Address	: 00:09:18:E1:A2:42	- 1
	IP Address :	192 . 168 . 0 . 58	HTTP Port :	80	- 1
	Subnet mask :	255 . 255 . 255 . 0	VNP Port	4520	- 1
	Gateway :	192 . 168 . 0 . 1	RTSP Port	554	- 1
	DNS1 :	168 . 126 . 63 . 1			- 1
	DNS2 :	168 . 126 . 63 . 2			- 1
					- 1
		Apply	Close		

- IP Address: It displays the current IP address.
- MAC Address: It displays the MAC address of the device.
- Subnet mask: It displays the subnet mask of the configured IP address.
- Gateway: It displays the gateway for the configured IP address.
- DNS1/DNS2: It displays the address of the DNS (Domain Name Service) server.
- HTTP port: It is the HTTP port used to connect to the device using an internet browser. The default value is 80.
- VNP port: VNP port is the port that controls video transmission. Its default value is 4520.
- RTSP port: It is the port that controls real-time streaming. Its default value is 554.
- 2. Enter the IP and port related items and then click [Apply] button.
- 3. Click [Confirm] button when success confirmation message is displayed.

When Multiple Devices are Selected

1. Select <Assign the following IP address> in the menu when multiple devices are selected.

🕍 IP Assign	- Multiple devi	ces									-		×
O Obtain	an IP address au	tomatically (DHCP)											
Assign	the following IP	address											
IP Ac	ddress : [192 . 168 . O . 64	~ 192 .	168 . 0 . 66	HTTP Port	80							
Subr	net mask :	255 . 255 . 255 . 0]		Port	4520							
Gate	way:	192 . 168 . 0 . 1			RTSP Port	554							
DNS	1: [168 . 126 . 63 . 1				Simulate							
DNS	2:	168 . 126 . 63 . 2											
Model	MAC Addres	s IP(Old)	IP(New)	Subnet(New)	Gateway(New)	DNS1(Old)	DNS2(Old)	HTTP	Device	RTSP	Res	ult	
VNV.8040P	00:16:6C:E9:20	-7B 192.100.0.04						80	4520	554			
XNO-9082R	00:09:18:64:F5	:95 192.168.0.42						80	4520	554			
UP Do	wn			Ap	oply Clo	se							_
tal : 3 , Succe	ess:0,Fail:0												

- 2. Enter the starting address for the IP address range to assign.
- 3. Enter IP and port related items.

<u>Setup Device Manager</u>

- 4. Click [Simulate] button to check the IP address to be assigned to each device.
 - Double click the IP address to edit each address.

 Obtain Assign 	an IP address auto	matically (DHCP) Idress										
IP Ac Subr Gate DNS DNS	Idress: 19 net mask: 21 way: 19 1: 10 2: 10	92.168.0 .64 55.255.255.0 .0 32.168.0 .1 58.126.63.1 .2] ~ <u>192</u> .]]	168.0.66	HTTP Port Port RTSP Port	80 4520 554 Simulate]] 					
Model INM-362 KNV-8040R (NO-9082R	MAC Address 00:09:18:66:B1:40 00:16:6C:F9:29:78 00:09:18:64:F5:95	IP(Old) 192.168.0.64 192.168.0.14 192.168.0.42	IP(New) 192.168.0.64 192.168.0.65 192.168.0.66	Subnet(New) 255.255.255.0 255.255.255.0 255.255.255.0 255.255.255.0	Gateway(New) 192.168.0.1 192.168.0.1 192.168.0.1	DNS1(Old) 168.126.63.1 168.126.63.1 168.126.63.1	DNS2(Old) 168.126.63.2 168.126.63.2 168.126.63.2	HTTP 80 80 80	Device 4520 4520 4520	RTSP 554 554 554	Result Success Success Success	
UP Do	wn ess : 3 , Fail : 0			Ар	ply Clo	ie						

- 5. Click [Apply] button to begin IP assignment.
- 6. Check <Result> to check for successful IP assignment.

Setup Dynamic (DHCP) IP

IP address is automatically assigned through DHCP.

When one device is selected

1. Select < Obtain an IP address automatically (DHCP)> in the single device selection menu.

P Assign - Single de	evice				×
• •)btain an IP add	ress automatically (DHCP)			
() A	ssign the follow	ing IP address	MAC Address	: 00:09:18:66:B1:40	
IP A	Address :	192 . 168 . 0 . 64	HTTP Port :	80	
Sut	onet mask :	255 . 255 . 255 . 0	VNP Port	4520	
Gat	teway :	192 . 168 . 0 . 1	RTSP Port	554	
DN	S1 :	168 . 126 . 63 . 1			
DN	52:	168 . 126 . 63 . 2			
		Apply	Close		

- 2. Click [Apply] button.
- 3. Click [Confirm] button when success confirmation message is displayed.

When multiple devices are selected

1. Select < Obtain an IP address automatically (DHCP)> in the multiple device selection menu.

 Assign 	the following IP ad	dress										
IP Ad	dress : 19	2.168.0.64	~ 192	168 . 0 . 66	HTTP Port	80]					
Subr	et mask : 25	5 . 255 . 255 . 0			Port	4520]					
Gate	way: 19	2.168.0.1			RTSP Port	554	1					
DNS	1: 16	68 . 126 . 63 . 1					p.					
DNS	2: 16	8.126.63.2				Simulate						
Model	MAC Address	IP(Old)	IP(New)	Subnet(New)	Gateway(New)	DNS1(Old)	DNS2(Old)	HTTP	Device	RTSP	Result	
M-362	00:09:18:66:B1:40	192.168.0.64						80	4520	554		
V-8040R	00:16:6C:F9:29:7E	192.168.0.65						80	4520	554		
10-9082R	00:09:18:64:F5:95	192.168.0.66						80	4520	554		

- 2. Click [Apply] button to begin IP assignment.
- 3. Check <Result> to check for successful IP assignment.

Setup Device Manager

REPORT

Report is a file that records the device information. Reports can be saved in "xls" or "csv" format.

1. Select the device to generate the report.

					– 🗆 X
		Rej	port	FW T	Config
					+
S/N	IP Version	Last refreshed			A
Unknown	IPv4	10/23/2020 18:14:10			
ZQM770GN80000PM	IPv4	10/23/2020 18:19:54			
ZER06V2HC000HGN	IPv4	10/23/2020 18:19:54			
ZQ9W70GN40000VH	IPv4	10/23/2020 18:19:54			
Unknown	IPv4	10/23/2020 18:14:28			

- 2. In Tool Box, click [Report] button.
- 3. When <Report> window is open, select the device to generate the report.

	Model	MAC Address	IP Address	F/W version	Device Type	Status
1	XRN-2011	00:09:18:00:55:56	192.168.0.61	v2.42 200303163350	NVR	Ready
3	TNM-3620	00:09:18:66:B1:40	192.168.0.64	2.09.99 20200909 R109	IP Camera/Encoder	Ready
2	XNV-8040R	00:16:6C:F9:29:7B	192.168.0.65	1.40.02_20191024_R395	IP Camera/Encoder	Ready
1	XNO-9082R	00:09:18:64:F5:95	192.168.0.66	1.49.99_20200306	IP Camera/Encoder	Ready
2	HRD-443	00:16:6C:FB:7E:EB	192.168.0.60	v1.00h_170503092553	DVR	Ready
3,					C Carton	
		mation	✓ Event :	setup information	System	
	Profile1	Profile6	Alarn	1 Input	Time Information	
	Profile?	Profile7	Tamp	ering Detection	Image.	
	Profile3	Profile8	Moti-	on detection/Video analytics		
	Profile4	Profile9	✓ Face	Detection		
	Profile5 Profile10		Audi	o Detection ork Disconnection		
s	upport Format :	Excel(*.xls) // CSV(*.csv)				

- 4. Select the information to include in the report, and click [Apply] button.
- 5. Click [Save] button after selecting the folder location and file format to save the report.
- 6. Check <Status> for results of report creation.



- Live images are not included when saving in "csv" format.
- Motion Detection/Video analytics> and <FD Result> of the report are displayed as "OFF" since monitoring is not possible without configuration of monitoring area. It applies even when the motion detection/video analytics and face detection functions of the device are active.

FIRMWARE

	F	(Report	FW	•	∰ Config	Ŧ
			FW Status Chee FW Upgrade	:k	+	
IP Version	Last refreshed					
IPv4	10/25/2020 14:38:31					
IPv4	10/25/2020 17:25:28					
IPv4	10/25/2020 17:25:28					
IPv4	10/25/2020 17:25:28					
IPv4	10/25/2020 17:25:28					

You can check the status of a device firmware that is already authorized and update it as necessary.

F/W Status Check

- **1.** Select the device to F/W Status check.
- 2. In tool box, click [Firmware] button and select <F/W Status Check>.
- 3. F/W Status check of the device in <F/W Status> of the device list.

Model	Status	Name	IP mode	IP Address	MAC Address	F/W Version	F/W Status	18
🕑 XRN-2011	Login OK	NVR1	DHCP	192.168. 0.61	00:09:18:00:55:56	v2.42_20030316	Latest	N
📀 XNO-9082R	Login OK	Camera	Static	192.168. 0.66	00:09:18:64:F5:95	1.49.99_202003	Old version	0.07_
TNM-3620TDY	Login OK	Camera	Static	192.168. 0.64	00:09:18:66:B1:40	2.09.99_202009	Unknown	0.01_
📀 XNP-9300RW	Login OK	Camera	DHCP	192.168. 0.58	00:09:18:E1:A2:42	2.00.05_202005	Old version	0.01
🔮 XNV-8040R	Login OK	Camera	Static	192.168. 0.65	00:16:6C:F9:29:7B	1.40.02_201910	Latest	1.60_

- Latest: The current firmware of the device is the latest firmware.
- Old version: Firmware update to the latest version is required.
- Unknown: Firmware version could not be confirmed due to server/device connection failure.

Update Firmware

wnload Path	C:\Users\Public\Do	cuments\Wisenet\W	/isenet Device Manag	er					
odel	MAC Address	IP Address	Current ver.	Warning		Status	New ver.	Current ISP	New ISP
XNV-8040R	XND-8020R 1.40.02	1							
	00:16:6C:F9:29:7B	192.168.0.65	1.40.02_201910			Login OK		1.60_191008	
XNO-9082R	File Onen]							
	00:09:18:64:F5:95	192.168.0.66	1.49.99_202003			Login OK		0.07_200306	
TNM-3620TDY	File Open]							
	00:09:18:66:B1:40	192.168.0.64	2.09.99_202009			Login OK		0.01_200907	
									,
hove list exclude	s the devices that are in	n 'connection failed	l' or in 'login failed' s	tatus					
la sea de seultiele		Cabadada	. er in reginnenen .	2	6				
ipgrade multiple	devices in	Schedule		•					
Parallel N	1ax Device 16	Relative time :	Now	\sim		Download			
0.000		O Aberlute time .	Friday	ctober 23.20					
Sequence		Absolute time :	10-29-27	LUDCI 2.5, 21 V	Upgrade	Close			
			19:38:27	v					

You can download and update the device firmware.

Select the action method when upgrading multiple devices.

- Parallel: You can perform firmware upgrade simultaneously up to 16 devices. You can change the number of units.
- Sequence: Firmware update is performed one unit at a time.
- Ø

(1/

Update may not run effectively when multiple units are being updated simultaneously depending on the network environment.

2 Configure the time to automatically perform the firmware upgrade.

- Relative time: Firmware upgrade is executed after the time selected by the user.
- Absolute time: Execute firmware upgrade on the date/time selected by the user.

When schedule settings window is closed, schedule setup and firmware update are canceled. When performing firmware update using a schedule, the configuration window must be kept running.

3 Download Upgrade: Update is performed after downloading the latest device firmware.

- **<Download Upgrade>** can be performed after selecting the device update sequence as **<Sequence>**.

4 Download: Select and download device firmware.

- Select the firmware file for the device from the firmware list. Use the filter to find the firmware of the device to update from the firmware list.

5 Upgrade: Execute firmware upgrade when there is a downloaded firmware.

- 1. Select the devices for FW upgrade.
- 2. In tool box, click[FW] button and select <FW upgrade>.
- 3. When FW upgrade window is open, click < Download> button.
- 4. Select the firmware file for the device from the firmware list. You can find the firmware for the device to update from the firmware list through the filters entered in<**Model>** and **<Type>**.

wnload Path	C:\Users\Public\D	ocuments\Wisenet\Wi	senet Device Ma	nager				
Model	т Туре	Series		File Name	Search Device	Exist FW	Status	+
PNF-9010R	NW_Camera	😿 Clear Filter		0617				
PNF-9010RV	NW_Camera	Available Filters		0617				
PNF-9010RVM	NW_Camera			0617				
PNM-9020V	NW_Camera	Search		200605				
PNM-9030V	NW_Camera	All		.04_20200615_R388				
PNM-7002VD	NW_Camera	Decod	er	3.00_20200804_R45				
PNM-9002VQ	NW_Camera	DVR		3.00_20200804_R43				
PNM-7000VD	NW_Camera	Encode	er	2.00_20200423_R334				
PNM-9000VD	NW_Camera	ETC	amera	2.00_20200423_R183				
PNM-9000VQ	NW_Camera	V NVR		2.00_20200423_R369				
PNM-9080VQ	NW_Camera	NW_Ca		hera	2.00_20200423_R286			
PNM-9081VQ	NW_Camera			2.00_20200423_R286				
PNM-9320VQP	NW_Camera		Canaal	32.00_20200701_R325				
PNM-9084QZ	NW_Camera	0	Cancer	1.03_20200716_R262				
PNM-9084RQZ	NW_Camera	PNM9084QZ	PNM-9084QZ_1	1.31.03_20200716_R262				
PNM-9085RQZ	NW_Camera	PNM9084QZ	PNM-9084QZ_	1.31.03_20200716_R262				
PND-9080R	NW_Camera	PNO9080R	pno9080r_4.00	200617				
PNO-9080R	NW_Camera	PNO9080R	pno9080r_4.00	_200617				
PNV-9080R	NW_Camera	PNO9080R	pno9080r_4.00	_200617				
PNP-9200PH	NW Camera	PNP9200PH	ppp9200rb 4.0	0 200605				-



Designate a new download path or check the default path for the firmware before downloading.

5. Click [Start] button to begin download.

When firmware file name rules and selected firmware file name are in conflict while opening the firmware file, a warning message is displayed to check the firmware file again. When incorrect firmware is used for the update, the device may malfunction so you must check before updating.

- 6. Select the device to upgrade and click [File Open] button.
- 7. Select the downloaded firmware.
- 8. The upgrade begins when you click [Upgrade] button.

Setup Device Manager

CONFIG BACKUP AND RESTORATION

You can save or import device configuration.

					- 0	×
		Re	 FW	•	Config	•
					Config Backup	
					Config Restore	
	IP Version	Last refreshed				•
	IPv4	10/25/2020 14:38:31				
M	IPv4	10/25/2020 17:27:28				
H	IPv4	10/25/2020 17:27:28				
	IPv4	10/25/2020 17:27:28				
N	IPv4	10/25/2020 17:27:28				
	IPv4	10/25/2020 14:38:32				

Config Backup

This is a function to save the configuration information of each device on PC.

- **1.** Select the device to save the configuration information.
- 2. In tool box, click [Config] button and select <Config Backup>.
- **3.** Config Backup window is open. It displays the file name for each device.

2	Model	MAC Address	IP Address	s F/W version	File Name	Status
1	XNV-8040R	00:16:6C:F9:29:7B	192.168.0.6	5 1.40.02_201910	XNV-8040R_192.168.0.65_00166CF9297B.bin	Login OK
1	XNO-9082R	00:09:18:64:F5:95	192.168.0.6	i6 1.49.99_202003	XNO-9082R_192.168.0.66_00091864F595.bin	Login OK
]	TNM-3620	00:09:18:66:B1:40	192.168.0.6	2.09.99_202009	TNM-3620TDY_192.168.0.64_00091866B140.bin	Login OK
efa	ault Path : C:\l	Users\Public\Documen	ts\Wisenet\Wise	enet Device Manager		
ack	up multiple dev	vices in : Schedu	le			
	Parallel	Rel	ative time :	Now	\checkmark	
	Sequence	O Ab	solute time :	Friday , October	23, 20 🗸	
				19:42:34	×	Start Close

4. Check the file save path.

- 5. When backing up configuration for multiple devices, select the device config backup sequence.
 - Parallel: Configuration backup can be performed up to 16 devices simultaneously.
 - Sequence: Configuration backup is performed one device at a time.
 - You can configure the time setup backup execution.
 - Relative time: Configuration backup is executed after the time selected by the user.
 - Absolute time: Execute config backup on the date/time selected by the user.



- When schedule settings window is closed, schedule setup and setup backup are canceled. When performing setup backup using a schedule, the configuration window must be kept running.
- 6. Click [Start] button to begin work.



Configuration backup time varies depending on the device and once config backup is complete, the device is rebooted.

Config Restore

- 1. Select the device to save the configuration information.
- 2. In tool box, click [Config] button and select <Config Restore>.
- 3. Config Restore window is displayed.

lodel	MAC Addr	ess	IP Address	Status			
XNV-8040R	File Oper	n					
	00:16:6C:F9:2	29:7B	192.168.0.65	Login OK			
XNO-9082R	File Oper	n					
	00:09:18:64:6	F5:95	192.168.0.66	Login OK			
TNM-3620TDY	File Oper	n					
	00:09:18:66:8	B1:40	192.168.0.64	Login OK			
Above list excludes the dev	ices that are in 'connecti	on failed' or in	'login failed' status.				
port multiple devices in :	Schedule						
Parallel	Relative time :	Now	~				
⊖ Sequence	O Absolute time :	Friday ,	October 23, 20 V				
		19:43:51	*		Start	Close	



When device status is 'Connection failed' or 'Login failed', it is not displayed on the device list.

4. After selecting the device, click [File Open] button.

<u>Utilizing the Device List</u>

- 5. Select the configuration file to apply.
 - Select the action method when restoring multiple devices.
 - Parallel: You can perform restoration simultaneously up to 16 devices.
 - Sequence: Restoration is performed one unit at a time.
 - You can configure the time of restoration.
 - Relative time: Restoration is executed after the time selected by the user.
 - Absolute time: Execute restoration on the date/time selected by the user.



- When schedule settings window is closed, schedule setup and setup backup are canceled. When performing setup backup using a schedule, the configuration window must be kept running.
- 6. Click [Start] button to begin work.

<u>Utilizing the Device List</u>

CHANGE LIST LAYOUT

You can select the device viewing method. Use the layout option bar to select the list viewing method.

View in Large Icon

It displays the live image and brief information for the device.



View in Small Icon

It displays a smaller live image with more detailed information.

WISENET Project Syst	tem Network Help							- 🗆 ×
Q Search Add	+ Credential IP Assig	n			Report	EX PW	• H	¢ antig
Sites	go - O - Select All Clear	Reverse Update All						+
Products 	Model: VND-P082R Mae: 00009180445565 IP: 192-166. 0.66	IP mode : Static F/W Venios Status : Login OK F/W Status Name : Camera ISP : 0.07,3	1: 1.49.99_20200306 Motion B/D Old version S/N : 2Q9W3 00306 IP Version : 1	DGN40000M Rvil				2
P Content/Encoder(4) Login Ot(4) Login Ot(4) Content Full(3) Ready(8) Ready(8) Login Fail(3) Login Fail(3) Login Fail(3)	Nodel : TNM-3620TD/ Me : 00:00-18366340 Pi 192:188.0.64	IP mode : Static Status : Login OK Name : Camera	F/W Version: 2.09.99_20200909, F/W Status: Unknown ISP:0.01_200907	(tro) Motion B/D : S/N : 20/N70GN80000PM IP Version (IP+4				
- Connect Fail(0) (a) Ready(1) - DVR(1) - Login CR(0) - Login CR(0) - Connect Fail(0) (a) Ready(1) (b) Readw(1)	Model : XNP-9300R Model : XNP-	IP model Static F/ Status Login OK F/ Name: Camera IS	W Version I 2.00.02_20200818_54: W Status I Unknown P : 0.01_200814	Motion B/D : S/N : 8000 IP Venion : IP-4				
- Login (KI(D) - Login Fail(D) - Connect Fail(D) - Ready(D)	8 Model : XIV-8040R Mer : 00:16:6C992078 IP : 192.168. 0.65	IP mode : Status Status : Login OK Name : Carnera	F/W Version: 1.40.02_20191024 F/W Status: Latest ISP: 1.60_191008	R305 Motion B/D : S/N : ZBROV2H0000HGN IP Version : IPv4				
Network Status								



- Live image is a captured image, and when the device status is updated, live image is renewed.
- View live image is only supported when the device is using SUNAPI 2.0 protocol.

View Details

It displays the details of the device and live image is not provided. Default setting of the Device Manager is set as view details.

WISENET Project Sys	stern Network Hel	p															×
Q, Search Add	+ * d Devices	Credential		r										(Internet State) Report	RW	•	⇔ Config
Sites	g:) = [Select All	Clear	Reverse	Ipdate All											+
New Site #1	Model	Status	Name	IP mode	IP Address	MAC Address	F/W Version	F/W Status	ISP	Motion B/D	S/N	IP Version	Last refresh	od .			*
	XNO-9062R	Login DK	Canora	Static	192.168. 0.86	00:09:18:64:F5:95	1.49.99,202003	Old version	0.07,200306		2099706N40000/H	IPv4	10/26/2020 17	05:01			
	TNM-3620TDV	Lagin DK	Casera	Static	192.168. 0.64	00:09:18:66:81:40	2.09.99_202009	Unknown	0.01_200907		20/7706N80000FM	IP/4	10/26/2020 17:	05:01			
Products	WP-9300R	Login BK	Canera	Static	192.168. 0.67	00:09:18:E2:66:F9	2.00.02.202008	Unknown	0.01_200814		8000	IPv4	10/26/2020 17	05:01			
- All Devices(6)	2017-8040R	Lagin DK	Casera	Static	192.168. 0.65	00:16:60:F9:29:78	1.40.02_201910	Latest	1.60_191008		ZERIOG V2HC00 OHEN	IPv4	10/26/2020 17:	05:01			
 Di Carena, Riccarra, Connect Failli Connect Failli Connect Failli Recoleriti Recoleriti Connect Failli Connect Failli Connect Failli Recoleriti Connect Failli Recoleriti Recoleriti Recoleriti 																	

View Thumbnail Image

Place the mouse cursor on the device list to see the thumbnail image of the device.



SELECT DEVICE

You can select devices from the registered device list through the following method.

Select Device from Device List

You can click the device desired to just select a single device, or you can press [Ctrl] or [Shift] key and click with the mouse to select multiple devices.

Use Select All / Clear / Reverse Buttons

There are 3 useful buttons when selecting multiple devices on top of the device list. You can also use these functions by clicking with the right mouse button after selecting the devices.

WISENET Project Syste	em Network Help												
Q . Search Add I	+ Devices Cree	dential II	r∰ Assign									Rep	port
Sites	g: <u>; ;</u> 0 =	Select All	Clear F	everse	Ipdate All								
inclusion of the second s	Model S	Status Name	IP mode	IP Address	MAC Address	F/W Version	F/W Status	ISP	Motion B/D	S/N	IP Version	Last refreshed	
Products All Devices(6) P Camera/Encoder(4) P Camera/Encoder(4)	XRN-2011 Lo TNM-3520T0V Lo XNV-8040R Lo XNV-8040R Lo XN0-9082R Lo XNP-9300RW Lo HR9-443 Lo	igin OK Live Vie igin OK Edit Dev igin OK Select A igin OK Clear igin OK Clear	wer ice Name II	2,168, 0, 61 2,168, 0, 64 2,168, 0, 65 2,168, 0, 66 2,168, 0, 58 2,168, 0, 60	00:09:18:00:55:56 00:09:18:66:81:40 00:16:6C:F9:29:78 00:09:18:64:F5:95 00:09:18:64:F5:95 00:09:18:E1:42:42 00:16:6C:FB:7E:EB	v2.42_20030316 2.09.99_202009 1.40.02_201910 1.49.99_202003 2.00.05_202005 v1.00h_1705030	Latest Unknown Latest Old version Old version Unknown	None 0.01_200907 1.60_191008 0.07_200306 0.01_200507 None	None	Unknown Z0H770GN800000PM ZERO6V2HC000H8N Z09N70GN40000/H 8000 Unknown	IPv4 IPv4 IPv4 IPv4 IPv4 IPv4	10/23/2020 20:10:00 10/23/2020 20:12:32 10/23/2020 20:12:32 10/23/2020 20:12:32 10/23/2020 20:12:32 10/23/2020 20:12:32 10/23/2020 20:10:20	
Login Fail(0) Connet Fail(0) Recody(1) Recody(1) Login OX(1) Login OX(1) Connet Fail(0) Connet Fail(0) Recody(1) Over(1) Connet Fail(0) Recody(1) Over(1) Login OX(1) Login OX(1)		Date & IP & Po HTTPS 802.1x Auto IP Multica Languaj Restart	Time rt Configure t ie										

- Select all: Select all devices on the list.
- Clear: Deselect all selected devices.
- Reverse: Select all devices that are not currently selected on the list.

Delete Device List

After selecting the device to delete, click [Delete] button on the keyboard.

<u>Utilizing the Device List</u>

STATUS UPDATE

It updates device status and displays the current status.

85	¢ ⊯ [Select All	Clear 5	Reverse	Ipdate All									
Model	Status	Name	IP mode	IP Address	MAC Address	F/W Version	F/W Status	ISP	Motion B/D	S/N	IP Version	Last refreshed		-
XRN-2011	Login OK	N/R1	DHCP	192.168. 0.61	00:09:18:00:55:56	v2.42_20030316	Latest	None	None	Unknown	IPv4	10/23/2020 20:10:00	ID Comment Transfer	~
TNN-3620TBY	Login OK	Camera	Static	192.168. 0.64	00:09:18:55:B1:40	2.09.99_202009	Unknown	0.01,200907		20M770GN80000FM	IPv4	10/23/2020 20:11:32	IP Camera/Encoder	~
XNV-8040R	Login OK	Camera	Static	192.168. 0.65	00:16:6C:F9:29:78	1.40.02_201910	Latest	1.60_191008		ZERO6 V2HC00 OHEN	IPv4	10/23/2020 20:11:32	O Unauthorized	65
XN0-90828	Login OK	Camera	Static	192.168. 0.66	00:09:18:64:F5:95	1.49.99_202003	Old version	0.07_200306		209970GN40000VH	IPv4	10/23/2020 20:11:32	1 Connected	Undate
XNP-9300R#	Login OK	Camera	DHCP	192.168. 0.58	00:09:18:E1:A2:42	2.00.05_202005	01d version	0.01_200507		8000	IPv4	10/23/2020 20:11:32	• • • • • • • • • • • • • • • • • • • •	oposte
HED-443	Login OK	HFD-443	Static	192.168. 0.60	00:16:6C:FB:7E:EB	v1.00h_1705030	Unknown	None	None	Unknown	IPv4	10/23/2020 20:10:20	Video Profile	
													Date & Time	
													IP & Port	
													Video Setup	
													Audio Setup	
													Camera Setup	
													Focus Setup	
													Color Palette	
													HTTPS	
													802.1x	
													SNMP	
													Auto IP Configure	
								WISONOT	r				Event Setup	
								WIJENC					Multicast	
													Language	
													Restart	
													Log Backup	
													Open Platform	

Update All

Click [Update All] button to update the status for all devices on the list to current status.

Update Selected Devices Only

After selecting the device desired, click [Update] button in the device setup menu.



There may be restrictions to use of functions depending on the type of selected device and current status.

VIEW LIVE VIDEO

You can check the video for the devices with status displayed as [Login OK]. Also, you can control the PTZ function from the live viewer for devices that support PTZ function.

Model	Status	Name	IP mode	IP Addres	ss	MAC Address	F/W
XRN-2011	Login OK	NVR1	DHCP	192.168. 0	D. 61	00:09:18:00:55:56	v2.42
TNM-3620TDY	Login OK	Camera	Static	192.168. 0). 64	00:09:18:66:B1:40	2.09.9
XNV-8040R	Login OK	Camera	Static	192.168. 0	D. 65	00:16:6C:F9:29:7B	1.40.0
📀 XNO-9082R	Login OK	Camera	Static	192.168. 0). 66	00:09:18:64:F5:95	1.49.9
📀 XNP-9300RW	Login OK	Camera	DHCP	192.168. 0). 58	00:09:18:E1:A2:42	2.00.0
HRD-443	Live V	iewer	atic	192.168. 0	D. 60	00:16:6C:FB:7E:EB	v1.00t
	Select Clear Revers Date & IP & F HTTPS 802.1: Auto I Multic	All & Time Port K P Configure ast					

1. Select the devices for monitoring and click the right mouse button.

2. Select <Live Viewer>.

Live Viewer window is displayed.

🕍 Live Viewer		– 🗆 X
	Device Information Device : XNP-9300RW MAC : 00.0918.E114.242 PAddress : 192.166.058 HTTP Port : 80 Device Port : Resolution : 3840x2160 (H264) Camera : - Disconnect Profile : Display original size Display original size Keep aspect ratio Save graph data : Offer Focus Unsupported Zoom Unsupported	PTZ Control Pan T / / - II Tilt / I · Zoom · Set Speed Focus + - ABS Move Get Set HOME Move Set Simple Focus Focus Initialize
Bitrate : 4135 kbps Reference Line: Set	Framerate : 30 fps UP Frame	Reference Line FPS FPS Line FPS Line FPS Line FPS Line FPS PFrame PFrame
Profile access Update Time 20:18:23	Current users	Update Time 00:00:00
Profile Bitrate(kbps) Framerate ATC(%) User	Profile IP address Bitrate	(kbps) status
1 0/0 0/0 0	H.264 192.168.0.2 29	33 Good
2 2892/12288 30/30 1		
3 0/0 0/0 0		

Utilizing the Device List

Profile

Default profile value is H.264. Click **[Disconnect]** button to change the profile. The video monitoring will stop and the selected **<Profile>** option will be activated.

Select the profile to monitor and click [Connect] button to connect to the selected profile.

Camera :	1	~	Disconnect
Profile :	2	\sim	Disconnect

Device Information

- Snapshot: Save the current video as .jpg image file.
- IV view: You can check IVA overlay.
- Keep aspect ratio: You can view with 16:9 screen ratio.
- Display original size: You can view in original resolution.
- Save graph data: Set the setting to **[Off]** to save the current video data (Date, time, framerate, I frame, P frame, bitrate) as a file.

Click [🦻] icon to configure the file save path. Graph data is saved in "csv" format file.

PTZ Control

- Pan/Tilt: Click the arrow in direction desired to adjust pan and tilt.
- Zoom: Click [+], [-] buttons or directly enter the magnification ratio to adjust the magnification ratio of the camera.
- Speed: Adjust the movement speed of pan and tilt.
- Focus: Adjust the camera focus with [+], [-] buttons.
- ABS Move: You can acquire current pan/tilt coordinates, and zoom ratio for the camera with[Obtain] button. You can move the camera at desired position/ zoom ratio by pressing [Settings].
- Preset: You can configure preset by moving the camera to desired position. You can add or delete the presets.
- Home: Click [Move] button to move the camera to home position.

You can configure home position with [Set] button.



PTZ Control			
Pan	N	t	1
/	-		-
Tilt	1	4	<u>N</u>
Zoom	+ -		Set
Speed	,	l	
Focus	+		-
ABS Move	Get		Set
		Preset	
HOME	Move		Set

Focus Setup

This is a function to configure focus of the IP camera. Click the number button to adjust the focus equivalent to the value.

Focus	-100 -10 -1	1	10	100	Simple Focus
Zoom	-100 -10 -1	1	10	100	Focus Initialize

- Simple focus: It automatically adjusts the camera focus.
- Focus initialize: It initializes focus.



Bitrate

It displays the target bitrate based on the profile currently connected, and it shows the bitrate of the video from the camera in graphs by time.



• Reference line: Enter value desired to display on a graph for the user to compare against the base line.

Framerate

It displays the framerate based on the profile currently connected, and it shows the framerate of the video from the camera in graphs by time.

Framerate :	30 fps	I/P Frame	Reference Line:	16	\sim
35 30 25 20 15 10 5 0 20:17:55	20:18:00	2018:05 20.18:10	20.18.15 20.18.20	FPS Reference Line I Frame P Frame	

- I/P frame: It displays the number of I frames and P frames in the video by time.
- Reference line: Select desired value to display on a graph for the user to compare against the base line.

Profile access

It displays the profile access information for the device.

Profile Bitrate(kbps) Framerate ATC(%) User 1 0/0 0/0 0 2 2892/12288 30/30 1	
1 0/0 0/0 0 2 2892/12288 30/30 1	
2 2892/12288 30/30 1	
3 0/0 0/0 0	
10 0/0 0/0 0	

- Update time: It displays the time to obtain the profile access information.
- Profile: It displays the codec information for the profile.
- Bitrate (kbps): It displays actual bitrate value and configured bitrate value.
- Framerate(fps): It displays actual framerate value and configured framerate value.
- ATC (%): It displays ATC status.
- User: It displays number of accounts accessing the profile.

Current users

It displays the information of the user currently accessing the device and printing the image.

urrent users			Update Time	00:00:00
Profile	IP address	Bitrate(kbps)	status	
H.264	192.168.0.2	2933	Good	

- Update time: It displays the time when the current user information was obtained.
- Profile: It displays the profile configured by user.
- IP address: It displays user IP address.
- Bitrate (kbps): It displays the bitrate value.
- Status: It displays network status.

EDIT DEVICE NAME

Model	Status	Name	IP mode	IP Address	MAC Address	F/W
 XRN-2011 TNM-3620TDV XNV-8040R XNV-8040R XNV-9082R XNP-9300RW HRD-443 	Login OK L Live ¹ L Edit I L Selec I Clear Rever IP & HTTP 802.: Auto Multi Lang Resta Log R Oper Netw User	NVR1 Viewer Device Name t All see & Time Port 'S IX IP Configure icast uage rt Backup i Platform iork Diagnosis Access List	DHCP tic tic tic CP tic	192.168. 0. 61 192.168. 0. 64 192.168. 0. 65 192.168. 0. 66 192.168. 0. 58 192.168. 0. 60	00:09:18:00:55:56 00:09:18:66:B1:40 00:16:6C:F9:29:7B 00:09:18:64:F5:95 00:09:18:E1:A2:42 00:16:6C:FB:7E:EB	v2.42 2.09.\$ 1.40.0 1.49.\$ 2.00.0 v1.00t

You can check and change the name configured for the camera.

1. Select one or multiple devices for name change and click the right button of the mouse.

2. Select <Edit Device Name>.

• You can only change the name of the device with status displayed as 'Login OK' on the device list.

3. After entering the new name in **<Name>** field for each device, click **[Apply]** button.

Application of settings is displayed under [Result].



Ø

Some devices do not support editing device name.

MultiNameC	hangeForm		-		×
Model	Name	MAC Address	IP	Result	
XRN-2011	NVR1	00:09:18:00:55:56	192.168.0.61		
TNM-3620TDY	Camera	00:09:18:66:B1:40	192.168.0.64		
XNV-8040R	Camera	00:16:6C:F9:29:7B	192.168.0.65		
XNO-9082R	Camera	00:09:18:64:F5:95	192.168.0.66		
XNP-9300RW	Camera	00:09:18:E1:A2:42	192.168.0.58		
HRD-443	HRD-443	00:16:6C:FB:7E:EB	192.168.0.60		
		Apply Clos	e		

<u>Device Setup</u>

DEVICE SETUP MENU

After selecting the device on the device list, click [+] button on top left to open the device setup menu supported by the device.

Menu items appear differently depending on the device.



<IP Camera>

<NVR>

Some functions in the device setup menu can be used even if the right mouse button is clicked after selecting a device.



VIDEO PROFILE

You can configure the video profile of the IP camera.

Edit Video Profile

- 1. Select the device for video profile configuration.
- 2. In device setup menu, select <Video Profile>.



- Video profile setting window is displayed. Select <Model Name> on the top left to select the device to configure.
- 4. You can check the video profile.
 - Double click the area displaying the MAC/IP address for selected device to display the current value under **<Current>**.

odel	Name		Channel	Video Profile		Name	Codec	
NM-3	3620TDY ~		1 ~	MJPEG V D	elete	MJPEG	MJPEG	
2	MAC Address	IP Address	Result	H.264	Setting Op	otion	Current	
2	00:09:18:66:B1:40	192.168.0.64		MOBILE	Disable		Disable	
				< <add profile="">></add>	Disable		Enable	
				Record profile	Disable		Enable	
				Resolution	1920x1080		1920x1080	
				Framerate	1		2	
				Compression	0		16	
				Bitrate(2048-30720)	10240		3072	
				Audio In	Disable		Disable	
_								
			۵	Close				



<Video Profile> list may be displayed differently.

Add Video Profile

- 1. When adding a profile, go to <Video Profile> and select <Add Profile..>.
- 2. Enter the name of video profile to add.
- 3. After completing configuration, click [Apply] button to display the video profile added to the video profile list.

del	Name		Channel	Video	o Profile			Name		Codec	
IM-36	520TDY ~		1 ~	MJPE	G 🗸 [Delete		MJPEG		MJPEG	
2	MAC Address	IP Address	Result	MJPE H.264	1	Se	tting Op	tion	Curr	ent	
	00:09:18:66:B1:40	192.168.0.64		H.265 MOB	ile	Dis	able	\sim	Disa	ble	
				< < Ac	dd profile>>le	Dis	able		Ena	ble	
					Record profile	Dis	able	\sim	Ena	ble	
					Resolution	192	20x1080		1920x	1080	
					Framerate	1			2		
					Compression	0		\sim	10	5	
					Bitrate(2048-30720)	102	40		30	72	
					Audio In	Dis	able	\sim	Disa	ble	
				_							

- 4. Check the items under each field of detailed settings to activate the **Setting Option** menu. Configure desired value.
 - Resolution: Configure the resolution of camera video.
 - Framerate: Configure the maximum video frames per 1 second.
 - Compression: Configure the level of compression.
 - Bitrate: Configure the bitrate.
 - Bitrate control: Select between CBR(Constant bitrate) and VBR (Variable bitrate).
 - Encoding priority: When the video data volume exceeds the target bitrate value, configure which encoding priority will be implemented between framerate and video quality.
 - GOP size:Configure how many frames to assign between one I-Frame to the next I-Frame when H.264/H.265 codec is selected.
 - Profile: The menu is activated when codec is <H.264>.
 - It supports <Baseline>, <Main>, and <High> Compression performance increases and video quality improves as it goes towards <High>.
 - Entropy coding: This is a lossless compression method with variable length coding using syntax statistics. You can configure the entropy coding method, and the compression rate of CABAC is better than that of CAVLC.
 - Audio In: Select use audio input.
 - Dynamic Gov length: Dynamic Gov is a function that automatically changes the Gov length depending on the video situation. The value entered under **<GOV Length>** is the minimum value and the maximum value is 480.
- 5. Click [Apply] button when configuration is complete.
 - Check <**Result>** to check for application of settings.
 - When the settings of the selected item have been changed successfully, it is displayed as <**Success>**. When failed, it is displayed as <**Failed>**. When only some settings have been configured, <**Partial Success>** is displayed.

Delete Video Profile

- 1. In the <Video Profile> list, select profiles to delete and click [Delete] button.
- 2. Check <Result> to check for results of profile deletion.

NM-3	3620TDY ~		1 ~	ado	d_profile1 ∨ Dele	te	add_profile1	1 H.2	264 ~
2	MAC Address	IP Address	Result		Menu	Setting Op	otion	Current	^
2	00:09:18:66:B1:40	192.168.0.64			Default profile	Disable	\sim		
					E-mail/FTP profile	Disable			
					Record profile	Disable	\sim		
					Resolution	1920x1080	\sim		
					Framerate	1			
					Compression	0			
					Bitrate(1536-30720)	3072			
					Bitrate control	VBR	\sim		
					Encoding priority	FrameRate	\sim		
					GOP size	1	\sim		
					Profile	BaseLine	\sim		
					Entropy coding	CAVLC	\sim		
					ViewMode Type	Overview	\sim		
					Audio In	Disable	\sim		
					Dynamic Gov Enable	Disable	\sim		~
			Ap	ply	Close				

Device Setup

DATE & TIME

Device date and time can be configured. This is a useful function to apply the same time for multiple devices since it can configure time information for multiple items simultaneously.

- 1. Select the device to configure time information.
- 2. In the device setup menu, select <Date & Time>.



- **3.** Configure the standard time zone and select whether to enable DST or not.
- 4. Select the time setup method.
 - Manual: Manually enter the date and time information for the device.
 - Synchronize with NTP server: Synchronize the device date and time through NTP server.
 - Synchronize with PC: Synchronize the device date and time with the PC where the Device Manager is installed.
- 5. Click the start button once the time setup is complete.

To change non the de	the time zone, there may wice. Be sure to confirm th	be a time zone than ne change on devi	at is not supported depend ce's web page.	ing
ime setup				
Manual				
Date	riday , October 23, 2	(∨ Time 20	:37:35	÷
Synchror	ize with NTP Server			
Address1	pool.ntp.org	Address2	asia.pool.ntp.org	
Address3	europe.pool.ntp.org	Address4	north-america.pool.ntp.or	g
Address5	Time.nist.gov			
Synchror	ize with PC			
Date Frid	lay, October 23, 2020	Time 20	:37:38	
Aodel	MAC Address	IP Address	Time sync result	
NM-3620T.	. 00:09:18:66:B1:40	192.168.0.64		
NV-8040R	00:16:6C:F9:29:7B	192.168.0.65		
NO-9082R	00:09:18:64:F5:95	192.168.0.66		

6. Check <Time Sync Result> to check for completion of time setup for the device.

Model	MAC Address	IP Address	Time sync result
TNM-3620T	00:09:18:66:B1:40	192.168.0.64	Success
XNV-8040R	00:16:6C:F9:29:7B	192.168.0.65	Success
XNO-9082R	00:09:18:64:F5:95	192.168.0.66	Success
	Start	Close	

IP & PORT

You can check for IP of network camera and other information. You can also change the host name.

- **1.** Select the device to change the host name.
- 2. In the device setup menu, select <IP & Port> menu.

Q. Search Ada	+ IDevices	El Credential	IP	.r∏ Assign		Bapa	l H	ER - PW	⇔ Config
Sibes Sibes	8	0 🖩 🗍	Select All	Clear	Reverse		Ipdate All		
New Site #1	Model	Status	Name	IP mode	IP Add	Ineso	MAC Address	F/W Version	F/W Statu:
	 XSN-2011 TNN-SS20TDV 	Login BK Login BK	MR1 Desero	OHCP Static	192.168.	0.61 0.64	00:09:18:00:95	IP Camera/Encoder	×
Products All Devices(8)	 XNV-BD4CR XND-5082R XND-5082R 	Login OK Login OK	Desero Desero	Static Static	192.168. 192.168.	0.65	00:16:60:F9:25 00:09:18:64:F5	 0 Unauthorized 3 Connected 	C) Update
Biogn Oblig Convert Failing Convert Failing		Login (K	180-443	Static	192.168.	0. 60	00:16:00:19:70	Video Profile Data & Time P & Port Video Setup Audo Setup Conress Setup Course Setup Course Setup Course Setup Course Setup Auto IP Configure Event Setup Multicast Language Restar Language	
Network Status								Open Platform CGI Sender Network Diagnosis User Access List	

3. When IP & port settings window opens, enter host name and click [Apply] button.

	MAC Address	IP Address	Host Name	Subnet m	Gateway	DNS1	DNS2	HTTP	Deivce	RTSP	Result
NM-3620TDY	00:09:18:66:B1:40	192.168.0.64	TNM-3620TDY-0009186	255.255.25	192.168.0.1	168.126	168.126	80	4520	554	
KNV-8040R	00:16:6C:F9:29:7B	192.168.0.65	XNV-8040R	255.255.25	192.168.0.1	168.126	168.126	80	4520	554	
NO-9082R	00:09:18:64:F5:95	192.168.0.66	XNO-9082R-00091864F5	255.255.25	192.168.0.1	168.126	168.126	80	4520	554	

Device Setup

VIDEO SETUP

You can check IP address and other information, and change the host name for the IP camera. This is a function to configure some items for IP camera.

- **1.** Select a device for video setup.
- 2. In device setup menu, select <Video Setup>.



- 3. Select < Model Name> on the top left to select the device to configure.
 - Only for the devices selected from the device list, < Model Name> is displayed.
- 4. Click Menu Setting button to the right to configure. Refer to <Result> to check for application of settings.

del	Name			Channel	BNC Setting	Video source	
IM-3	620TDY	~		1 ~	BNC On	Mirror mode	e Flip mode
2	Name	MAC Address	IP Address	Result	BNC Off	On	On
2	Camera	00:09:18:66:B1:40	192.168.0.64		Get BNC Value	Off	Off
					Hallway View		
					Appl	y i	Get Hallway View
					WiseStream		
					Off v Appl	y .	Get WiseStream
					Video profile connection policy		
					Keep connection when profile setti	ng is changed	Apply
							Delete Profile 10

- BNC setting: This configures the analog video output of the camera. Use [BNC On] or [BNC off] button to select usage. Click [Import BNC Settings] button to check the current settings.
- Video source: This is a function that can perform flip/mirror for the video.
 - <Flip> reverses the camera video top and bottom, <Mirror> is a function that reverses the camera video left and right. To apply the function, click [On] button.
- Hallway view: You can rotate the video at a ratio appropriate for the path to expand the top/bottom monitoring area when the camera is installed in an environment such as a narrow hallway or an alleyway.
- WiseStream: You can select how much to compress the video through WiseStream.
- Video profile connection policy: When <**Keep connection when profile setting is changed>** is applied, the video output is still produced with previous settings even if the settings for a profile connected to other devices have been changed. If not used, the device will reconnect when settings for a profile connected to other devices have been changed.
- Delete profile 10: This is a field to delete profile 10 configured for the IP camera. Some IP cameras are configured with profile 10 by default for mobile viewer but this is a button used to delete the profile when it is not being used.

AUDIO SETUP

You can configure audio/input/output settings for camera.

- 1. Select the device for audio setup.
- 2. In the device setup menu, select <Audio Setup>.



- 3. Select <Model Name> on the top left to select the device to configure.
 - Only for the devices selected from the device list, < Model Name> is displayed.
- After configuring the menus on the setting menu to the right, click [Apply]. Check <Result> to check for application of settings.

	nume						
1-3	620TDY	~			Audio In		
i I	Name	MAC Address	IP Address	Result	Addio-III		
	Camera	00:09:18:66:B1:40	192.168.0.64		Source	Line	\sim
						Apply power to	Ext. Mic.
					Codec	AAC	\sim
					Bitrate	48000	\sim
					Gain	10	\sim
					Audio-Out Enable Gain	On Off 10	~

Audio In Setting

- Audio in: Configure audio input method.
 - Internal microphone: Connect to the camera's built-in microphone to use.
 - External microphone: Connect to the camera external microphone to use.
 - Line: Connect to the audio device through cable to use.

Device Setup

- Codec: Configure audio codec.
- G.711: It is the voice codec standard that uses 64Kbps pulse code modulation (PCM) voice coding method. As an ITU standard voice codec, this format can deliver digital voice through PSTN or PBX.
- G.726: It is an ITU voice codec using the adaptive differential pulse code modulation (ADPCM) voice encoding by changing the 64Kbps pulse code modulation (PCM) to 40/32/24/16Kbps, etc.
- AAC: It stands for advanced audio coding and it is the international stand succeeding MP3. You can use audio with higher sampling rate compared to when using G.711 and G.726 codecs.
- Bitrate: When using G.726 codec, it configures different compression rate through bitrate settings.
- Gain: It configures amplification of audio input. When audio input is low, gain value can be increased for signal amplification. Range of configuration is 1 to 10. The amplification value increases as gain value increases.

Audio Out Setting

- Audio Out: Configure audio output use. Select **<On>** for audio output to produce audio through the connected speaker.
- Gain: Configure the amplification value of the audio output. Set this to **<On>** to activate gain.

CAMERA SETUP

You can change the camera settings for the environment where the camera is installed.

- 1. Select device to change video setup.
- 2. In device setup menu, select <Camera Setup>.



3. Select < Model Name> on the top left to select the device to configure.

odel Name	XNP-9300RW V	Channel 1					
splay Device	192.168.0.58 ~	00:09:18:E1:A2:42		Apply Selected Devices			
				MAC Address	IP Address	Result	
Sensoi * This	White balanace Back in the Back is the Bac	ight Exposure Day/Night Special OS	D IR				

- 4. Select the menu tab at the bottom of the screen to configure camera settings.
 - Sensor: Configure how many frames the sensor will shoot per second.
 - SSDR: You can increase the brightness only in dark areas in an environment with significant difference between light and dark areas to produce a video with an overall even brightness. Brightness in dark areas gets higher as the level increases.
 - White balance: You can calibrate to produce normal colors based on color white in any lighting environment.
 - Back light: Calibrate to see both areas in an environment where light and dark areas coexist. You can configure mode, BLC level, WDR level, HLC level, and mask tone.

<u>Device Setup</u>

- Exposure: You can change exposure according to the camera installation environment.
 - You can configure brightness, minimum shutter, maximum shutter, anti flicker, SSNR, SSNR level, iris, iris focal length, and AGC.
- Day/Night: You can have the video to colored or black/white video according to the camera installation environment.
 - You can configure mode, dwell time, duration, and alarm input.
- Special: You can configure sharpness mode, sharpness level, gamma, color level, fog calibration, DIS, and defog level.
- OSD: You can display the camera title, or date and time in the video, and configure the position of display, etc.
- IR: When IR LED is on in a black/white video, it prevents the saturation in the middle of the screen to allow identification of the subjects even from a close distance. You can configure mode options, and level.



- It is applied to the camera immediately after changing the camera settings.
- The function may not be supported depending on the model. Refer to camera user manual for more detailed settings.

FOCUS SETUP

You can configure focus of the IP camera.

- 1. Select the device for focus configuration.
- 2. In the tool box, select <Focus Setup>.



- 3. Select <Model Name> on the top left to select the device to configure.
- **4.** You can initialize camera focus or configure simple focus. Click the button of desired function.

Focus	Setup				×
Model				Channel	
XNO-90	082R	\sim		1 ~	
	Name Carnera	MAC Address 00:09:18:64:F5:95	IP Address 192.168.0.66	Result	Focus Focus Initialize Simple Focus
۲				>	Close

- Focus initialize: It initializes focus.
- Simple focus: It automatically adjusts focus.

Device Setup

COLOR PALETTE

The color palette expresses the video of thermal camera for easier visual analysis of the video.

You can configure color palette type, etc. to apply to camera video when the camera is detecting temperature.

- 1. Select the device for color palette configuration from the device list.
- 2. In device setup menu, select <Color Palette>.

Menu is active only in the devices supporting the function.



3. Select <Model Name> on the top left to select the device to configure.

NM-36	520TDY	~		
	Name Camera	IP Address 192.168.0.64	Result	Color Palette Select the palette type Select the color preset for thermal camera's temperature information Apply
				Close

4. Select desired type of color palette, and click [Apply] button.

HTTPS

This is a function for SSL setup of the IP camera. You can select the camera secure connection system or install a public certificate through this function.

- **1.** Select device for SSL configuration.
- 2. In the device setup menu, select <HTTPS>.



- **3.** HTTPS setting window is displayed.
- 4. Install a public certificate on the camera.

	Model	Name	MAC Address	IP Address	F/W Version	Result
2	TNM-3620TDY	Camera	00:09:18:66:B1:40	192.168.0.64	2.09.99_20200909_R109	Ready
1	XNV-8040R	Camera	00:16:6C:F9:29:7B	192.168.0.65	1.40.02_20191024_R395	Ready
2	XNO-9082R	Camera	00:09:18:64:F5:95	192.168.0.66	1.49.99_20200306	Ready
~	XNP-9300RW	Camera	00:09:18:E1:A2:42	192.168.0.58	2.00.05_20200507_R119	Ready
Ins [®] Na	tall a public certifica me for the certificat rtificate file	te		Secure con	nnection system (Do not use secure connection) S (Secure connection mode using a uniq	ue certificate)
Ke	y file	Inst	all Delete	() HTTP	S (Secure connection mode using the pu	blic certificate)

- 5. In order to install a public certificate on the camera, you must enter certificate name, certificate file issued by the certifying institution, and key file, and then click **[Install]** button.
 - Enter the name to delete the installed certificate, and click [Delete] button.
- 6. Select the secure connection system to be used for the camera. After selecting the secure connection system to apply, click [Apply] button.
 - HTTP (No secure connection): Select when transmitting data without encryption.
 - HTTPS (Secure connection mode using a unique certificate) It uses the internal certificate provided by the camera for secure connection.
 - HTTPS (Secure connection mode using a unique certificate): It uses a public certificate for secure connection.

<u>Device Setup</u>

802.1X

You can select the option to use 802.1x protocol and install the certificate when connecting to a network.

- 1. Select the device for 802.1x protocol configuration.
- 2. In the device setup menu, select <802.1x>.



3. 802.1x setting window is displayed.

	NetworkName	Name	MAC Address	IP Address	F/W Versio	on	Result
TNM-3620TDY		Camera	00:09:18:66:B1:40	192.168.0.64	2.09.99 2020090	09 R109	
XNV-8040R		Camera	00:16:6C:F9:29:7B	192.168.0.65	1.40.02_2019102	24_R395	
XNO-9082R		Camera	00:09:18:64:F5:95	192.168.0.66	1.49.99_2020	0306	
XNP-9300RW		Camera	00:09:18:E1:A2:42	192.168.0.58	2.00.05_2020050	07_R119	
EEE 802.1x setting(IEEE 802.1x	EAPOL using EAP-TLS)			ID			
EEE 802.1x setting(IEEE 802.1x EAPOL version	EAPOL using EAP-TLS) Enable 1	~		ID Password			
EEE 802.1x setting(IEEE 802.1x EAPOL version Certificates	EAPOL using EAP-TLS) Enable 1	~		ID Password			
EEE 802.1x setting(IEEE 802.1x EAPOL version Certificates CA certificates	EAPOL using EAP-TLS)	~		ID Password	Browse	Install	Delete
EEE 802.1x setting(IEEE 802.1x EAPOL version Certificates CA certificates Client certificate	EAPOL using EAP-TLS)	~		ID Password	Browse	Instali Instali	Delete

- 4. Install 802.1x setting and certificate.
- 5. Select usage of IEEE 802.1x protocol.
- 6. Select either EAPOL version 1 or 2.
- 7. Enter ID and password for the certificate.
- 8. Select security access method used for the camera. Click [Apply] after selecting the security access method to be applied.

- 9. Install the certificate.
 - CA certificate: Select when it is a public certificate including the public key.
 - Client certificate: Select when it is a public certificate including client authentication key.
 - Client private key: Select when it is a public certificate including client private key.
- 10. Click [Browse] button for each field and select a public certificate or a key, and then click [Open] button.
- 11. Click [Install] button. Message reading 'Installed' will be displayed when certificate installation is complete.
- 12. Click [Delete] button to delete the certificate installed.
- **13.** Click **[Apply]** button when configuration is complete.

<u>Device Setup</u>

SNMP

The system or the network administrator can remotely monitor the IP camera or manage it through configuration change, etc.

- 1. Select the device to set up SNMP.
- 2. In the device setup menu, select <SNMP>.



- 3. Select < Model Name> on the top left to select the device to configure.
- 4. Configure SNMP.

del N	lame				SNMP v1, v2c	
VM-3	520TDY	~			Enable SNMP v1	
2	Name	MAC Address	IP Address	Result	Enable SNMP v2c	
2	Camera	00:09:18:66:B1:40	192.168.0.64		Read community	
					Write community	
					Enable SNMP Trap	
					Community	
					IP Address	
					AL	thentication failure
					Ne	twork connection
					SNMP v3	
					Enable SNMP v3	
					Password	
					Apply	Close

- Enable SNMP v1: It has no encryption and there are almost no security functions.
- Enable SNMP v2c: Algorithm was added for data and authentication security. It allows efficient use of bandwidth compared to SNMP v1. Select<Enable SNMP v2c> to activate read community and write community.
 - Read community: Enter read only community name to access SNMP information.
 - Write community: Enter write only community name to access SNMP information.
- Enable SNMP trap: Enable SNMP trap to send the important events and status to the management system.
 Select SNMP trap to activate selection screen community, IP address, authentication failure, and link
 connection.
 - Community: Enter trap community name to receive message.
 - IP address: Enter the IP address to send message.
 - Authentication failure: Configure whether to trigger the event or not when the community information is incorrect.
 - Link connection: Configure whether to trigger the event or not when a network is connected again after being disconnected.
- Enable SNMP v3: For SNMP v3, the authentication method has been changed to improve security compared to v1, and v2c. It encrypts the packets to prevent data access of unauthorized users.
 - Password: Configure user password for SNMP v3.
- 5. Click [Apply] button when configuration is complete. Check <Result> for confirmation.
- 58_ Device Setup

AUTO IP CONFIGURE

You can automatically configure the IP for camera access and search.

- 1. Select the device for auto IP configure.
- 2. In device setup menu, select <Auto IP Configure>.

3. After selecting the suitable client or operating system for the protocol, click [UPnP ON] or [Bonjour ON] button.

Model Name	Name	IP Address	Result	
TNM-362	Camera	192.168.0.64		
XNV-8040R	Camera	192.168.0.65		
XNO-9082R	Camera	192.168.0.66		
XNP-9300	Camera	192.168.0.58		UPnP
				UPnP On
				UPnP Off
				Get UPnP Value
				Bonjour
				Bonjour On
				Bonjour Off
				Get Bonjour Value
				Class

• UPnP: You can automatically search for cameras in clients and operating systems that support UPnP (Universal Plug and Play) protocol.

Cameras connected to the network are displayed in the Windows operating system that supports UPnP by default.

• Bonjour: You can automatically search for cameras in clients and operating systems that support Bonjour protocol.

Cameras connected to the network are displayed in the Mac operating system that supports Bonjour bookmark by default.

The name of registered camera is displayed in the format of "WISENET - Model name - MAC address".

4. Refer to <Result> to check for application of settings.

Device Setup

EVENT SETUP

This is a function to configure the event of IP camera.

- 1. Select the device for event setup.
- 2. In device setup menu, select <Event setup>.

- 3. Select < Model Name> on the top left to select the device to configure.
- 4. Select detailed settings after selecting the option to use function.

-9082R 🗸	1 V	Motion Detection (Entire area)	A
MAC Address I 00:09:18:64:F5:95 19	P Address Result 2.168.0.66	Motion ON Motion OFF Sensitivity Select ~ •Motion Detection Setup : Only SUNAPI 2,0 or higher version support	Object Detection Person On ⊙ Off Vehicle On ⊙ Off Face On ⊙ Off License Plate On ⊚ Off
		Tampering Detection Tampering ON Tampering OFF Sensitivity Select	Best Shot On ● Off Person On ● Off Vehicle On ● Off Face On ● Off License Plate On ● Off
		Defocus Otection Defocus ON Defocus OFF Sensitivity Select	PTZ Water Remove Wiper ON Heater ON Vibration ON
			Close

- Motion detection (Entire area): You can configure for the event signal to be triggered when motion is detected. When [Motion ON] button is clicked, you can detect the motion within the entire area of the camera screen.
 - Sensitivity: You can lower sensitivity in an environment where object and background differentiation is clear. You can increase sensitivity in an environment such as dark places where object and background differentiation is difficult.

- It supports motion detection settings only when the device is using SUNAPI 2.0 protocol.
- Menu is active only in the devices supporting the function.

- Tampering detection: You can configure the tampering detection event signal to trigger when the screen is covered or the camera position has changed.
- Defocus detection: You can trigger the defocus detection event when it is detected that the focus of the camera lens becomes blurry.
- Al

You can trigger the object detection event when the object configured by the user is detected. There are 4 types of detectable object consisting of human, vehicle, face, and license plate.

- Object Detection: The event is triggered when configured object is detected. Select the object type for the camera to detect.
- BestShot: It analyzes the information of the object detected by AI camera to extract as JPEG image. Select the object type to generate BestShot.
- PTZ water remove

It configures the wiper function enabling and disabling of the PTZ camera.

- Wiper ON: Clicking the button activates the wiper.
- Heater ON: Clicking the button activates the heater
- 5. Refer to <Result> to check for application of settings.

<u>Device Setup</u>

MULTICAST

This is a function to configure multicasting for the device.

- 1. Select the device for multicast.
- 2. In device setup menu, select < Multicast>.

3. Configure multicast.

Mult	file Number : ticast (RTP) IP Address:	2	×	~ .]		
	Port: TTL:		~ TTL Setup					Simulate
Z	Model	MAC Address	IP Address	Multicast Use	Multicast IP	Multicast Port	TTL	Status
~	TNM-3620	00:09:18:66:B1:40	192.168.0.64					
2	XNV-8040R	00:16:6C:F9:29:7B	192.168.0.65					
2	XNO-9082R	00:09:18:64:F5:95	192.168.0.66					
	XNP-9300	00:09:18:E1:A2:42	192.168.0.58					

- Profile number: When connecting through multicast, select the video profile to use.
- Multicast (RTP): Select <Use> to configure network to use multicast.
 - IP address: This is the IP address for multicast. You can configure the IP address range between 224.0.0.0 and 239.255.255.254.
 - Port: This is the port for multicast. The port range is between 1024 to 65534.

Ports 0 to1024 and port 3702 are ports generally used for other purposes so use a different port.

- Multicast ports internally use 2 ports, RTP port and RTCP port so you can only configure an even number for the port.
- TTL It stands for time to live. It refers to the number of devices that the data can pass through. Select between 0 and 255.
- 4. Select the camera for multicast configuration, and click [Start] button.

LANGUAGE

You can configure the web viewer language for the IP camera.

- **1.** Select the device for language configuration.
- 2. In device setup menu, select <Language>.

3. After selecting desired language, click [Apply].

		Model TTM-362 XIV-90840R XINO-9082R XINO-90300	Name Camera Camera Camera Camera	IP Address 192.168.0.64 192.168.0.65 192.168.0.66 192.168.0.58	Result	Language English v Apply
--	--	--	--	--	--------	--------------------------------

Device Setup

RESTART

You can perform factory reset and restart the camera.

- 1. Select the device to restart.
- 2. In device setup menu, select <Restart>.

3. Click the button after selecting the desired settings.

~	Name	IP Address	Result	
2	Camera	192.168.0.64		
\checkmark	Camera	192.168.0.65		
~	Camera	192.168.0.66		
~	Camera	192.168.0.58		
				Eactory Reset
				Tactory Reset
				Factory Reset Except Network and Open Platform
				Factory Reset All
				Device Restart
				Close

- Factory Reset Except Network and Open Platform: Perform factory reset for all settings except for network
 settings and installed open platform setup.
- Factory Reset all: Reset all settings to factory setting.
- Device Restart: Restart the device.

LOG BACKUP

You can backup the log.

- 1. Select the device to open the log.
- 2. In the device setup menu, select <Log Backup>.

3. Select the device to backup the log file and select the log type and date.

7	Model	Name	MAC Address	IP Address	F/W Version
1	TNM-3620TDY	Camera	00:09:18:66:B1:40	192.168.0.64	2.09.99_20200909_R
~	XNV-8040R	Camera	00:16:6C:F9:29:7B	192.168.0.65	1.40.02_20191024_R
~	XNO-9082R	Camera	00:09:18:64:F5:95	192.168.0.66	1.49.99_20200306
~	XNP-9300RW	Camera	00:09:18:E1:A2:42	192.168.0.58	2.00.05_20200507_R
.og 1	ype	Save the Date			
	System log Event log	2020-10-23			Log Viewer
	Access log	2020-10-23			Close

- 4. Click the [Log Viewer] button.
- 5. Log information is displayed.
- 6. Click [Save to file] button to backup the log.
- 7. Configure the file name and pathway for the backup file to save, and press [Save] button.

Log Backup file is generated in "csv" file format.

Log Type	Model	P	Date	Type	Descroption	
					Contains:	
EventLog	X7/V-8040R	192,168,0.14	(2020-05-21 00:3	[MotionDetection]	Motion Detection Start	
EventLog	>24V-8040B	192,168,0.14	(2020-05-20 12:1	(MotionDetection)	Motion Detection Start	
EventLog	>24V-8040B	192, 168, 0, 14	[2020-05-20 12:0	[MotionDetection]	Motion Detection Start	
EventLog	>24V-6040B	192, 168, 0, 14	(2020+05+20 11:5	[MotionDetection]	Motion Detection Start	
Event Log	>2V-6040R	192, 168, 0, 14	(2020+05-20 04:5	[MotionDatection]	Motion Detection Start	
Event Log	>2V-06040R	192, 168, 0, 14	(2020-05-20 04:4	[MotionDatection]	Motion Detection Start	
Event Log	>2V/-6040R	192, 168, 0, 14	(2020-05-20 04:3	[MotionDatection]	Motion Detection Start	
Event Log	>7/\-8040R	192, 168, 0, 14	(2020-05-20 04:3	[MotionDatection]	Motion Detection Start	
Event Log	>7//-60408	192,168,0.14	[2020-05-20 04:0	[MotionDetection]	Motion Detection Start	
Event Log	>7//-60409	192,168.0.14	[2020-05-19 13:2	[MotionDetection]	Motion Detection Start	
EventLog	>241-80409	192,168,0.14	[2020-05-19 10:0	[MotionDetection]	Motion Detection Start	
EventLog	>241-80409	192,168,0.14	[2020-05-19 10:0	[MotionDetection]	Motion Detection End	
EventLog	>241-80408	192,168,0.14	[2020-05-19 09:5	[MotionDetection]	Motion Detection Start	
EventLog	>241-80408	192,168,0.14	[2020-05-19 09:5	[MotionDetection]	Motion Detection End	
EventLog	>24V-8040B	192, 168, 0, 14	[2020-05-19 09:4	[MotionDetection]	Motion Detection Start	
EventLog	>24V-8040B	192, 168, 0, 14	[2020+05-19 09:4~	[MotionDetection]	Motion Detection End	
Event Log	>24V-6040R	192, 168, 0, 14	[2020+05+19 09:4	[MotionDatection]	Motion Detection Start	
Event Log	>24F-9010RV	192, 168, 0, 95	[2020-09-10 09:5···	[DefocusDetection]	Datocus Event Start	
Event Log	>24F-9010RV	192, 168, 0, 95	[2020-09-10 08:4	[DatocusDetection]	Datocus Event Start	
Event Log	>24F-9010RV	192, 168, 0, 95	(2020-09-10 08:4···	[DetocusDetection]	Defocus Event End	
Event Log	>24F-9010RV	192, 168, 0, 95	[2020-09-10 08:4…	[DefocusDetection]	Defocus Event Start	
Event Log	>24F-9010RV	192, 168, 0.95	[2020-09-10 08:4…	[DefocusDetection]	Defocus Event End	

Device Setup

OPEN PLATFORM

Install the application on the IP camera to additionally use the functions of the application.

- 1. Select a device to configure on the open platform.
- 2. In the device setup menu, select < Open Platform>.

3. Click the button after selecting the desired menu.

	en SDK						;
2	Model	Name	MAC Address	IP Address	F/W Version	Open SDK Version	Result
Z	TNM-3620TDY	Camera	00:09:18:66:B1:40	192.168.0.64	2.09.99 20200909 R109		Ready
2	XNV-8040R	Camera	00:16:6C:F9:29:7B	192.168.0.65	1.40.02_20191024_R395	3.52_190724	Ready
1	XNO-9082R	Camera	00:09:18:64:F5:95	192.168.0.66	1.49.99_20200306	4.00_200207	Ready
2	XNP-9300RW	Camera	00:09:18:E1:A2:42	192.168.0.58	2.00.05_20200507_R119	4.00_200427	Ready
Fil	e Open					Fi	ile Open Install
Ap	plication Name			Uninstall	Start Stop		
Ap	plication Name			Priority LOW	Start Stop	Auto Start 🗌 Use	Apply
Ap	plication Name ense File Open			Priority LOW	Start Stop	Auto Start 🗌 Use	Apply ile Open License
Ap	plication Name ense File Open			Priority Close	Start Stop	Auto Start 🗌 Use	Apply ile Open License

Install Application

- 1. Click [File Open] button and select the application file to install (*.cap).
- 2. Click [Install] button to install the application file.

Execute and Delete Application

- Application Name: Enter the name of the installed application.
- Uninstall: Delete the currently active or installed application.
- Start: Execute the installed application.
- Stop: Stop the running application.
- Priority: Configure the priority between the running applications. (Low/Middle/High)
- Auto Start: Automatically execute the application configured to auto run when camera power is turned on and email tasks are executed.

License File Open

Install when license is required for the application being installed.

- 1. Click [File Open] button to select the license file to install.
- 2. Click [License] button to install license.

CGI SENDER

[]

You can send CGI code to the device.

- 1. Select the device to execute CGI Sender.
- 2. In the device setup menu, select <CGI Sender>.

- 3. Select <Model Name> on the top left to select the device to configure.
 - Only for the devices selected from the device list, < Model Name> is displayed.
- 4. Enter the CGI code to send to the device selected and enter <SEND CGI code> ,and click [Apply] button.

IM-3620TDY / ////////////////////////////////////	tw-cgl/attributes.cgl/
MAC Address IP Address Result 00:09:18:66:B1:40 192.168.0.64 Success	Use Repeat Repeat Count 1 Set Time 1 Sec
	Second SEND CCI and
	Use Repeat Repeat Count 1 Set Time 1 sec
	I (TNM-3620TDY / 192.168.0.64 / 00:09:18:66:B1:40] →>

- Successful application of CGI code sent can be checked under <Result>. Double click the device on the list to display the response code from the equipment after sending the CGI code under <RECEIVE CGI code>.
 - Check use repeat when sending CGI code repetitively and configure the repeat count and set time to use.
 - Exclude the IP address of the device from the CGI code requesting device specifications when writing the CGI code.
 - Check the details regarding CGI code by device through CGI documents and by pressing [Example] button.

Device Setup

NETWORK DIAGNOSIS

Network status of the device can be diagnosed.

- 1. Select the device for network diagnosis.
- 2. In the device setup menu, select <Network Diagnosis>.

3. The user can manually add the IP address to the diagnosis list. Enter the range of IP address to add to <Input IP Range> and click [Add] button.

🕍 Net	twork Diagnos	is						×
Input	IP Range			- [Add	Port 80	Add
	Model	IP address	Ping	RTT	Http	Device Port	Update Time	Detail
	XRN-2011	192.168.0.61			80	4520,4521,4522		
\checkmark	XNV-8040R	192.168.0.65			80	4520		
	TNM-3620	192.168.0.64			80	4520		
	XNO-9082R	192.168.0.66			80	4520		
\checkmark	SPD-400	192.168.1.200			80			
\checkmark	HRD-443	192.168.0.60			80	4520,4521,4522		
	XNP-9300	192.168.0.58			80	4520		
-								
-								
-								
-								
-								
Pin	ng Packet Size	32 byte(0	~ 65500)	🗹 Pack	et Fragment	ation	Apply	Close

- You can also enter the port number when adding the IP address.
- 4. You can adjust the size of the packet for ping test.
 - Ping packet size: You can make the packet size different to recognize the results when the packet size is large or small.
 - Packet Fragmentation: It is a method of fragmenting the packet when the configured packet size is too large and it cannot pass through the Ethernet as a single packet. The fragmented packet is reassembled after all packet fragments have been sent.

- When packet fragmentation is used, the following may occur.
 - When a fragmented packet is not sent, the remaining packet fragments must be sent again and this results in overhead.
 - Many overheads occur when fragmenting the packet in the router.
 - There is the occurrence of dropping the fragmented packet depending on the firewall.

- 5. Select the IP address to execute for network diagnosis, and click [Apply] button.
- 6. Network diagnosis results are displayed by each item. The device is displayed in yellow if even one of the network diagnosis item results is not normal.

put	IP Range			-		. Add	Port 80	Add
2	Model	IP address	Ping	RTT	Http	Device Port	Update Time	Detail
~	XRN-2011	192.168.0.61	OK	1	80(OK)	4520(OK)4521(OK)4522(OK)	21:0:13	Detail
\checkmark	XNV-8040R	192.168.0.65	OK	1	80(OK)	4520(OK)	21:0:13	Detail
\checkmark	TNM-3620	192.168.0.64	OK	1	80(OK)	4520(OK)	21:0:13	Detail
⊻	XNO-9082R	192.168.0.66	OK	1	80(OK)	4520(OK)	21:0:13	Detail
\checkmark	SPD-400	192.168.1.200	Fail	-			21:0:15	Detail
\checkmark	HRD-443	192.168.0.60	OK	1	80(OK)	4520(OK)4521(OK)4522(OK)	21:0:13	Detail
☑	XNP-9300	192.168.0.58	OK	1	80(OK)	4520(OK)	21:0:13	Detail

• Ping: Check whether the data gram can arrive at the device.

The device can be checked whether it is working or not by ping response.

- RTT: It stands for round trip time, and it refers to the time it takes for the network data to be delivered to and return from the device.
- Http: It diagnoses whether connection to HTTP port of the device is possible.
- Device port: It diagnoses whether connection to device port is possible.
- Update time: It shows the duration of network diagnosis.
- Details: It shows details of the network diagnosis.

To check the details, click **[Details]** button to display **<Detail Diagnosis>** window.

Jevio Http	:e : Port :	XNP-9300RW 80(OK)	IP address : Device Port :		192.168.0 -	58	MAC address : 00:09:18:E1:A2:42	
TL	RTT	Ping Result	Time	^	HOP	RTT	Tracert IntermediateHost	
64	1	Success	21:0:50		[1]	1 ms	192.168.0.58	
64	1	Success	21:0:51				Tracert Finished	
64	1	Success	21:0:52					
64	1	Success	21:0:53					
64	1	Success	21:0:54					
64	1	Success	21:0:55					
64	1	Success	21:0:56					
64	1	Success	21:0:57					
64	1	Success	21:0:58					
64	1	Success	21:0:59					
64	1	Success	21:1:0					
64	1	Success	21:1:1					
64	1	Success	21:1:2					
64	2	Success	21:1:3					
64	1	Success	21:1:4					
64	1	Success	21:1:5					
64	1	Success	21:1:6					

Device Setup

USER ACCESS LIST

You can check and save the information of the user accessing the selected device.

- 1. Select the device to check user access information.
- 2. In the device setup menu, select <User Access List>.

3. User access list setup window is displayed.

Model	IP Address	Profile	Bitrate	Network Connection Status	Client IP	
(NP-9300RW	192.168.0.58	-	-	-	-	
KNV-8040R	192.168.0.65	-	-	-	-	
KNO-9082R	192.168.0.66	-	-		-	
INM-3620TDY	192.168.0.64		-			

4. To generate an user access list, click [Save to file] button.

User access list file is generated in "csv" file format.

