

Technical Newsletter

August 2025 Service Operation Team

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Latest Firmware Information (June 2025 - July 2025)

How to automatically back up and restore SSM configuration

Information Target

☒ Repairman ☐ Installer ☐ End User

● Target Models

- PRP-5000H16, PRP-4000H8, XRP-4310DB4, XRP-4210B4, XRP-4110B2, XRP-4010B2
XRP-4010B2, Wisenet SSM 2.xx SW

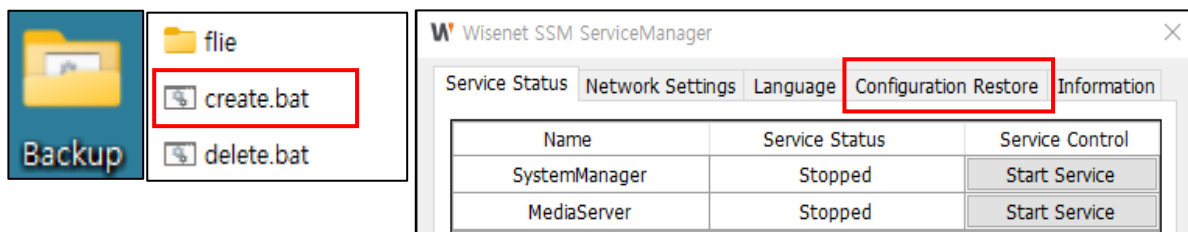
● A function to automatically back up SSM configuration.

- SSM configuration is automatically backed up once a week and stored (Basic Function)
※ Refer to the Technical News letter (June 2023)

● Creating a 'Configuration Restore' tab

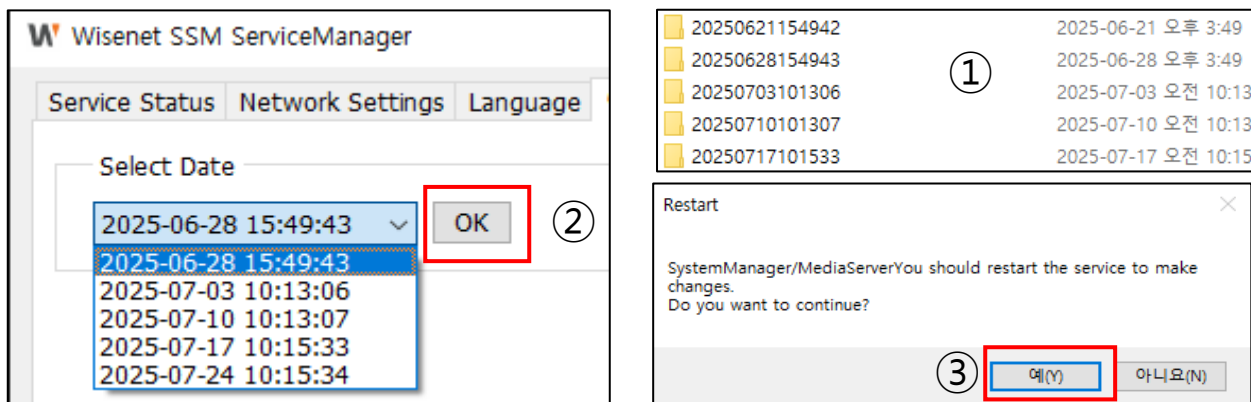
- Download the **backup.zip** file from **No: LI-202507210022**, a post on the Information Plaza site, and unzip it
- Create a **Configuration Restore** tab: Double-click '**create.bat**' → Exit **ServiceManager** → Start **ServiceManager**

※ Note: Be sure to unzip the file to the desktop.



● How to use 'Configuration Restore'

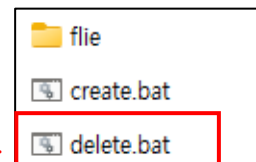
- ① The date for **Configuration Restore** matches the backup file in the **SSMBackup** folder.
- ② Select a date in **Configuration Restore** and click the **[OK]** button
- ③ When the restart guide pop-up appears, click the **[YES]** button



● Deleting the 'Configuration Restore' tab

- Delete the **Configuration Restore** tab: Double-click '**delete.bat**'
→ Exit **ServiceManager** → Start **ServiceManager**

※ Note: Be sure to delete the 'Configuration Restore' tab after restoration.



Recommendation: Using the latest camera firmware for updating to x86 (5.34.42)

Information Target

☐ Repairman ☐ Installer ☒ End User

● Target Models : x86 NVR

- XRN-6410DB4/B4/RB2/B2, XRN-3210RB2/B4/B2, XRN-1620B2/SB1, XRN-820S

● x86(v5.34.42) Update Highlights

Category	Details
Changes	- In [Factory Reset] state, the default value of [Network] > [IP Type] was changed from [DHCP] to [Manual] (The change in version 5.34.10 was undone.)
Improvements	- Made an improvement on the phenomenon of OS freezing and device rebooting caused by HDD synchronization process load in OS. - Made an improvement on the symptom where cameras connected to the PoE port were not recognized in case of abnormal reboot. - Made an improvement to prevent automatic time synchronization to a time after 2037 - Made an improvement to respond to a camera hanging during video reception.
Bug Fixes	- Fixed an issue where previous channel images were displayed when changing [Layout] in the [Search] menu. - Fixed the issue where search results were 1 hour apart when using [Smart Search] while [DST] was enabled as GMT-8 in [Date/Time/Language] - Fixed an issue where [Event Monitoring] did not work for the channel exceeding the maximum number of channels in the storage device UI. (e.g., in an 8-channel storage device, event monitoring on the 9th channel is not supported in a 3x3 layout.) - Fixed an issue where the UI would reload when the mouse hovered over a [Channel] displayed during the [Auto Sequence] operation - Fixed the issue where [Certificate] installation was not performed properly under the following menu: [Settings] > [Network] > [802.1x] - Fixed the issue where [Dynamic] events from the camera could not be received - Fixed the issue where the Wise AI camera was not recognized when two or more Open platforms were installed on the camera,

● Note

- 1) It is recommended to use the latest version of camera firmware after NVR update
 - Normal operation is not guaranteed for camera firmware v2.xx or lower (SUNAPI 2.5.8 or lower)
- 2) NVR update is not recommended in sites where camera firmware update is not possible.

● Release Date: June 27, 2025

Information on products supporting [PnP mode], a camera registration method,

Information Target

☐ Repairman ☐ Installer ☒ End User

● Target Models

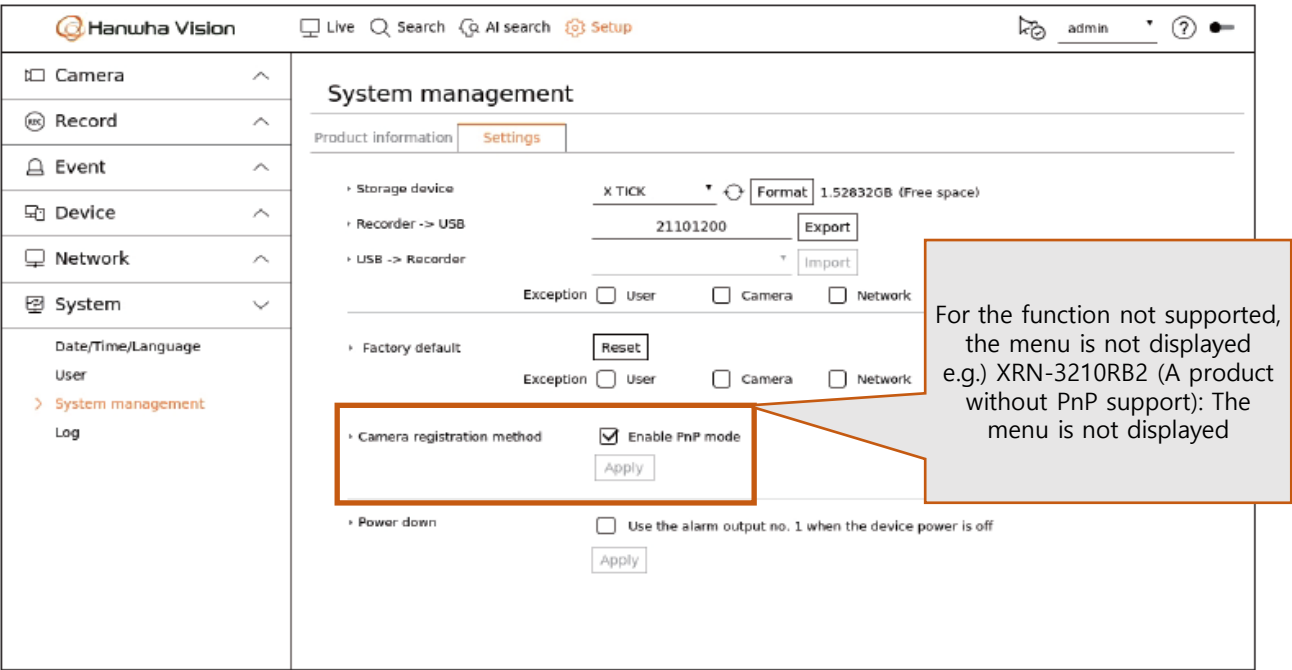
- PoE-supported NVRs: XRN-1620SB1, XRN-820S, XRN-815S, XRN-420S, QRN-1630S/830S/430S

● Purpose

- To inform the case of misrecognition of the [PnP mode] menu, a camera registration method.

● Misrecognition case

- Camera registration method: The **"Enable PnP mode"** menu to be used did not appear in the NVR menu.
- PnP mode = Cameras connected to the PoE port are automatically registered to the channel in the order of the port number.



● Instructions

- **[Camera registration method: PnP]** is a function **provided only for products that support PoE**.
- For products without PoE support, the corresponding menu is not displayed and the PnP function is not provided.
- For PoE support, please refer to the "Supported functions by model" page in the User Manual.

How to change the default save mode of Road AI APP

Information Target

☐ Repairman ☐ Installer ☒ End User

● Target Models

- Four P Series LP camera models with Road AI
- PNB-A9001LP, PNO-A9081RLP, PNV-A9081RLP, PNO-A9311RLP

● Road AI App?

- A License Plate Recognition(LPR) application installed in the license plate recognition camera

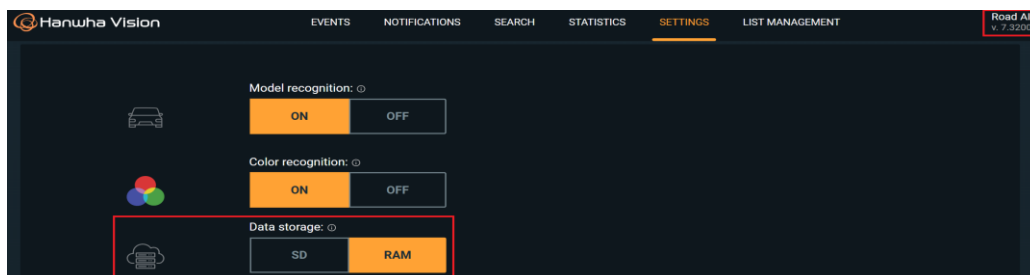
● Changes in default data storage mode after Road AI App update

1. V 7.3200 or lower version (e.g. WisenetRoadAI_ [vP7296852702](#).cap)

[Default **Data Storage** Mode] supports **SD** Card storage only

2. V 7.3200 or higher version (e.g. WisenetRoadAI_ [vP7296853200](#).cap)

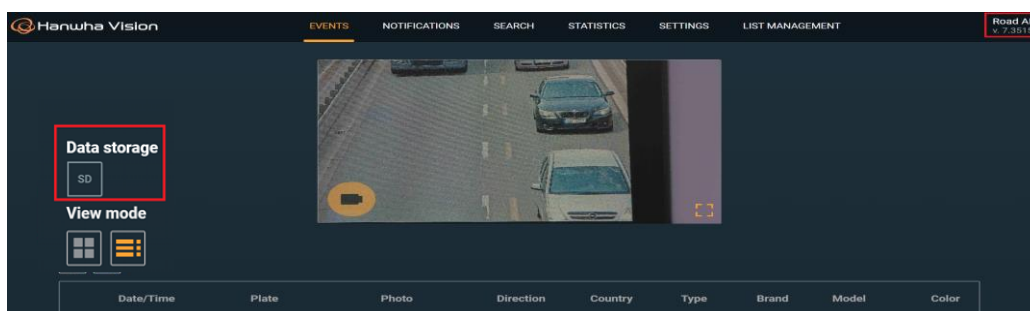
- After reinstalling the APP in the RAM storage set to default mode, it is necessary to change the mode to **SD** mode once for the first time.



- SD card/RAM storage mode support

. **SD** card mode: For the camera-only use, image storage/preservation is possible.

. **RAM** mode: For the VMS-linking use, license plate images and videos can be checked in VMS, but image preservation is not possible.



● Instructions when reinstalling the Road AI APP

- When reinstalling the app with version v7.3200 or later, the default storage mode is automatically changed to RAM mode.

If you want to save images on the SD card, you need to change the mode setting: RAM->SD.

Latest Firmware Information (June 2025 - July 2025)

Category	Model name	Firmware	Ver.	DATE	Remarks
Recorder	PRN-1600B2	PRN-6400DB4_5.34.42_250613155326	5.34.42	2025-06-27	- Fixed an issue where the camera was not properly recognized as an AI camera when an app other than the WiseAI app was installed on the AI camera.
	PRN-1605B2				
	PRN-1610B2				
	PRN-3200B2				
	PRN-3200B4				
	PRN-3205B2				
	PRN-3205B4				
	PRN-3210B2				
	PRN-3210B4				
	PRN-6400B4				
	PRN-6400DB4				
	PRN-6405B4				
	PRN-6405DB4				
	PRN-6410B4				
	PRN-6410DB4				
	XRN-1620B2				
	XRN-1620SB1				
	XRN-3210B2				
	XRN-3210B4				
	XRN-3210RB2				
	XRN-6410B2				
	XRN-6410B4				
	XRN-6410DB4				
	XRN-6410RB2				
	XRN-820S				
SMART PARKING	MGC-F9011LI	MGC-F9011LI_2.21.10_20250428_R174	2.21.10	2025-06-10	- Added the ability to create virtual parking events - Added parking location identification number setting - For channel 1, changed the initial value of profile 3" to PanoramaView and the initial value of profile 10" to Live4NVR
	MGC-D8080 MGC-D8080LI	MGC-D8080LI_2.22.02_20250526_R11	2.22.02	2025-06-13	- For the convenience of parking guidance server operation, added the classification number and parking space number input fields to the following tab: [Open Platform] > [Analysis] > [Parking Detection] > [Used/Unused]
	MGC-F9010LI	MGC-F9010LI_2.22.02_20250526_R9	2.22.02	2025-06-13	- Added a virtual event generation function for the convenience of checking the camera LED operation and event operation.
IP AUDIO	SPA-S1000 SPA-S2000	audio_server_ver3.4.5.31	3.4.5.31	2025-06-19	- Fixed an issue where IP speakers (or IP audio servers) in controller mode were not registered in Hanwha Vision Plug-in for Genetec.
	SPA-C100B/W SPA-C200B/W SPA-D1000 SPA-D2000 SPA-H100B/W SPA-H200B/W SPA-P100B/W SPA-P200B/W SPA-W100B/W SPA-W200B/W	ip_speaker_ver3.4.5.31	3.4.5.31	2025-06-19	- Implemented the connection between IP speakers and Milestone Xprotect to support 2-Way Audio - Fixed an issue where IP speakers (or IP audio servers) in controller mode were not registered in Hanwha Vision Plug-in for Genetec.
	SPA-B1000	SPA-B1000_ver3.4.5.31	3.4.5.31	2025-06-19	Firmware Update
	SPA-M1000	SPA-M1000_ver3.4.5.31	3.4.5.31	2025-06-19	
	SPA-M2000	SPA-M2000_ver3.4.5.31	3.4.5.31	2025-06-19	

Latest Firmware Information (June 2025 - July 2025)

Category	Model name	Firmware	Ver.	DATE	Remarks
NW CAM	QND-C8013R QNO-C8013R	QNV-C8013R_2.21.10 _20250424_R216	2.21.10	2025-06-10	- Added the [Edge Recording] function of the CloudConnector app. ※ When [Edge Recording] function of CloudConnector app is enabled, camera recording and playback functions are not supported. Recording and Playback menus in the camera web viewer disappear.
	QND-C8023R QNO-C8023R	QNV-C8023R_2.21.10 _20250424_R160	2.21.10	2025-06-10	
	XNB-8003 XNB-9003 XND/O/V-8083R XND/O/V-8093R XND/O/V-9083R	XND-9083RV_2.23.07 _20250618_R26	2.23.07	2025-06-25	
	PNO-A9311R	PNO-A9311R_2.23.03 _20250625_R267	2.23.03	2025-06-28	
	QNF-C9010	QNF-C9010_2.21.11 _20250704_R296	2.21.11	2025-07-17	
	QNF-C9010V	QNF-C9010V_2.21.11 _20250704_R48	2.21.11	2025-07-17	
	QNV-C8013R	QNV-C8013R_2.21.11 _20250704_R237	2.21.11	2025-07-17	
	QNV-C8023R	QNV-C8023R_2.21.11 _20250704_R175	2.21.11	2025-07-17	
	TNV-C8014RM	TNV-C8014RM_2.21.11 _20250704_R162	2.21.11	2025-07-17	
	TNV-C8034RM	TNV-C8034RM_2.21.11 _20250704_R114	2.21.11	2025-07-17	
	QNE-C8013RL	QNE-C8013RL_2.22.03 _20250704_R271	2.22.03	2025-07-17	
	QNE-C9013RL	QNE-C9013RL_2.22.03 _20250704_R277	2.22.03	2025-07-17	
	QNO-C6083R QNV-C6083R	QNV-C6083R_2.22.03 _20250704_R245	2.22.03	2025-07-17	
	QNV-C8011R	QNV-C8011R_2.22.03 _20250704_R306	2.22.03	2025-07-17	
	QNV-C8012	QNV-C8012_2.22.03 _20250704_R260	2.22.03	2025-07-17	
	QNO-C8083R QNV-C8083R	QNV-C8083R_2.22.03 _20250704_R455	2.22.03	2025-07-17	
	QNV-C9011R	QNV-C9011R_2.22.03 _20250704_R333	2.22.03	2025-07-17	
	QNO-C9083R QNV-C9083R	QNV-C9083R_2.22.03 _20250704_R545	2.22.03	2025-07-17	
	TNV-C8011RW	TNV-C8011RW_2.22.03 _20250704_R251	2.22.03	2025-07-17	
	PNM-C9022RV	PNM-C9022RV_2.23.03 _20250704_R98	2.23.03	2025-07-17	
	TNV-C7013RC	TNV-C7013RC_2.23.07 _20250710_R31	2.23.07	2025-07-17	
	XNB-6002	XNB-6002_2.23.07 _20250710_R348	2.23.07	2025-07-17	
	XND/V-C8083R XND/V-C9083R	XND-C9083RV_2.23.07 _20250710_R32	2.23.07	2025-07-17	
	XNF-9010RV XNF-9010RVM	XNF-9010RV_2.23.07 _20250710_R30	2.23.07	2025-07-17	
	XNF-9013RV	XNF-9013RV_2.23.07 _20250710_R36	2.23.07	2025-07-17	
	XNO-6123R XNV-6123R	XNV-6123R_2.23.07 _20250710_R63	2.23.07	2025-07-17	
	XNB-8002 XNB-9002 XND/O/V-8082R XND/O/V-9082R	XNV-9082R_2.23.07 _20250710_R30	2.23.07	2025-07-17	
	XNV-6083RZ	XNV-6083RZ_2.23.08 _20250710_R198	2.23.08	2025-07-17	
	XNV-8083RZ XNV-9083RZ	XNV-9083RZ_2.23.08 _20250710_R65	2.23.08	2025-07-17	

Latest Firmware Information (June 2025 - July 2025)

Category	Model name	Firmware	Ver.	DATE	Remarks
NW CAM	PNM-9084QZ PNM-9084QZ1 PNM-9084RQZ PNM-9084RQZ1 PNM-9085RQZ PNM-9085RQZ1	PNM-9084QZ_2.22.03 _20250523_R495	2.22.03	2025-06-03	- Changed the PTR motor position logic according to VM107 application ※ It is impossible to downgrade to a previous firmware version.
	PNM-C34404RQPZ	PNM-C34404RQPZ_25.01.06 _20250530_R932	25.01.06	2025-06-06	
	XNO-C6083R XNO-C7083R XNV-C6083 XND-C6083RV XND-C7083RV XNV-C6083R XNV-C7083R	XND-C7083RV_2.23.06 _20250530_R15	2.23.06	2025-06-10	
	PNM-C16083RQZ PNM-C32083RQZ	PNM-C32083RQZ_25.01.02 _20250530_R501	25.01.02	2025-06-10	
	QNP-6320H	QNP-6320H_2.21.06 _20250605_R240	2.21.06	2025-06-11	
	XND-6081REV XNV-6081RE	XND-6081REV_2.10.03 _20250530_R9	2.10.03	2025-06-06	- Changed to the FE binary replaced by VM107 due to discontinuation of the Onsemi motor driver IC. ※ It is impossible to downgrade to a previous firmware version.
	XND-6080 XND-6080R XND-6080RV XND-6080RW XND-6080V XNV-6080 XNV-6080R XNV-6080RS XNV-6080RSA XNV-6080RW	XND-6080R_2.22.02 _20250530_R23	2.22.02	2025-06-06	
	XND-6081F XND-6081RF XND-6081RV XND-6081V XNV-6081 XNV-6081R	XND-6081RV_2.10.03 _20250530_R216	2.10.03	2025-06-10	
	XNV-6083Z	XNV-6083RZ_2.23.07 _20250604_R188	2.23.07	2025-06-10	
	XNV-8083Z	XNV-9083RZ_2.23.07 _20250604_R54	2.23.07	2025-06-10	
	XNO-L6120R	XNO-L6120R_2.10.03 _20250530_R210	2.10.03	2025-06-11	
	XNO-6120	XNO-6120_2.10.03_R200	2.10.03	2025-06-12	
	XNP-6120H	XNP-6120H_2.10.03 _20250530_R192	2.10.03	2025-06-12	
	XNO-6120R	XNO-6120R_2.10.05 _20250530_R169	2.10.05	2025-06-12	
	TNO-A26081	TNO-A26081_25.01.02 _20250529_R389	25.01.02	2025-06-13	
	XND-8081REV XNV-8081RE	XND-8081REV_2.10.03 _20250610_R4	2.10.03	2025-06-17	
	XND-8081RF XND-8081RV XNV-8081R	XND-8081RV_2.10.03 _20250610_R4	2.10.03	2025-06-17	

Latest Firmware Information (June 2025 – July 2025)

Category	Model name	Firmware	Ver.	DATE	Remarks
NW CAM	XND-8080R(RV,RW) XNV-8080R(RS,RSA) XNV-8080RW	XND-8080R_2.10.05 _20250611_R5	2.10.05	2025-06-17	- Changed to the FE binary replaced by VM107 due to discontinuation of the Onsemi motor driver IC. ※ It is impossible to downgrade to a previous firmware version.
	XNF-8010R(RV,RVM) XNF-8010RW	XNF-8010R_2.10.05 _20250610_R6	2.10.05	2025-06-17	
	XNP-8250R	XNP-9250R_2.23.05 _20250611_R8	2.23.05	2025-06-17	
	XNP-6341RH	XNP-6341RH_2.10.04 _20250609_R4	2.10.04	2025-06-18	
	XNP-6371RH	XNP-6371RH_2.10.04 _20250609_R211	2.10.04	2025-06-18	
	KNB-2000, 6000 KNO-2080RN XNO-6080R	XNB-6000_2.10.09 _20250609_R21	2.10.09	2025-06-18	
	XND-6083RV XNO-6083R XNV-6083R	XND-6083RV_2.23.07 _20250609_R23	2.23.07	2025-06-18	
	XNP-6040H	XNP-6040H_2.10.03 _20250616_R140	2.10.03	2025-06-19	
	XNP-C6403(R,RW) XNP-C8253(R,RW) XNP-C9253(R,RW)	XNP-C9303RW_2.23.07 _20250618_R311	2.23.07	2025-06-24	
	XNV-6120(R,RS)	XNO-6120R_2.10.05 _20250619_R171	2.10.05	2025-06-25	
	XNP-C7310R XNP-C9310R	XNP-C9310R_2.23.06 _20250610_R440	2.23.06	2025-06-25	
	PNO-A9311RLP	PNO-A9311RLP_2.21.02 _20250625_R78	2.21.02	2025-06-28	
	KNP-2550RHA XNP-6550RH	XNP-6550RH_2.10.04 _20250624_R222	2.10.04	2025-07-03	- Changed to FE binary replaced by VM117 due to discontinuation of the Panasonic motor driver IC.
	XNZ-6320A	XNZ-6320A_2.11.02 _20250626_R154	2.11.02	2025-07-03	
	XNB-8000 XNO-8080R	XNB-8000_2.10.07 _20250611_R4	2.10.07	2025-06-19	- Fixed an issue where the factory reset button was not working properly.
	QNO/V-6014R QNO/V-6084R	QNO-6084R_1.41.18 _20250529_R146	1.41.18	2025-06-20	
	QND/O/V-7012R QND/O/V-7022R QND/O/V-7032R QND/O/V-7082R	QNO-7082R_1.41.18 _20250529_R179	1.41.18	2025-06-20	
	QND-6011 QND/O/V-6012R QND-6021 QND/O/V-6022R QND/O/V-6032R QND/O/V-6072R QND/O/V-6073R QND/O/V-6082R QND/O/V-6083R	QNO-6082R_1.41.18 _20250529_R410	1.41.18	2025-06-21	
	QND/O/V-8010R QND-8011, 8021 QNE-8011R QND/O/V-8020R QNE-8021R QND/O/V-8030R QND/O/V-8080R	QNO-8080R_1.42.03 _250616_R402	1.42.03	2025-06-21	

Latest Firmware Information (June 2025 - July 2025)

Category	Model name	Firmware	Ver.	DATE	Remarks
NW CAM	XNZ-L6320A	XNZ-L6320A_2.11.02_20250626_R10	2.11.02	2025-07-03	- Changed to the FE binary replaced by VM107 due to discontinuation of the Onsemi motor driver IC. ※ It is impossible to downgrade to a previous firmware version.
	QNP-6251 QNP-6251H	QNP-6251_2.21.06_20250626_R49	2.21.06	2025-07-03	
	QNP-6250(H) QNP-6320 XNP-L6322H1	QNP-6320H_2.21.06_20250626_R243	2.21.06	2025-07-03	
	QNP-6320HS	QNP-6320HS_2.21.06_20250626_R50	2.21.06	2025-07-03	
	QNP-6250R QNP-6320R	QNP-6320R_2.21.06_20250626_R221	2.21.06	2025-07-03	
	XNP-6400(R) XNP-8250 XNP-9250(R)	XNP-9250R_2.23.06_20250618_R12	2.23.06	2025-07-03	
	XNP-6400RW XNP-8300RW XNP-9300RW	XNP-9300RW_2.23.07_20250618_R11	2.23.07	2025-07-03	
	TNM-C4950TD TNM-C4960TD	TNM-C4950TD_2.21.02_20250620_R17	2.21.02	2025-07-06	- Added AI function to the thermal image channel ※ When the camera sensor mode is set to 30/25 fps, AI operation is activated only on one of the real image/thermal image channels. When the mode is set to 15 fps, AI operation is activated on both the real image and thermal image channels ※ Applies only when Opensdk_App_WiseAI Bi_1.09.00_R708 is installed - Added 15/25/30 fps settings to the camera sensor mode.
	TNM-C4940TD	TNM-C4940TD_2.21.02_20250620_R19	2.21.02	2025-07-07	
	ANO/V/E-L7012R ANE-L7012R ANO-L7022R ANO/V-L7082R	ANO-L7012R_1.41.18_20250702_R151	1.41.18	2025-07-10	- Changed the default setting for [Codec] from H.264 to H.265. in the following web viewer menu: [Basic] > [Video Profile]. - Changed the default setting for [Mode] from "Off" to "High" in the menu: [Video & Audio] > [WiseStream].
	PNM-9031RV	PNM-9031RV_2.23.01_20250411_R65	2.23.01	2025-07-10	- Added the [SFTP] option to the Protocol of FTP Settings in the following Web Viewer menu: [Event] > [E-mail]. - Added a function to transfer video images related to an event triggered via FTP/SFTP when setting the profile of H.264/H.265 codec as the event profile.