

Technical Newsletter

July 2025 Service Operation Team

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Latest Firmware Information (May 2025 - Jun 2025)

Information on changes to IR WINDOW (XNP-Cxx03RW series)

Information Target

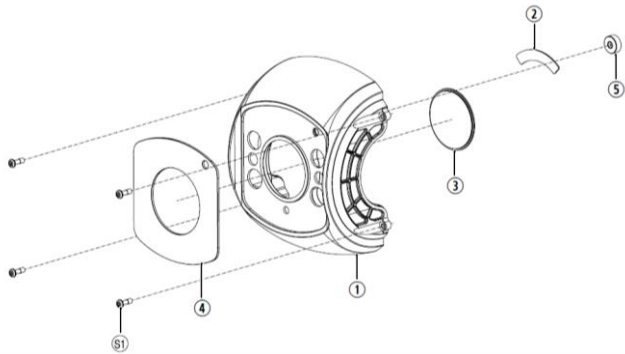
☐ Repairman ☒ Installer ☐ End User

● Target model

- XNP-C9303RW(G) , C8303RW(G), C6403RW(G)

● Details

- Due to discontinuation of IR ink, the exterior cover has been restored to its original design (IR ink removed).



Part Location	Material Number	Item Name	Remarks
4	FC37-001103A	WINDOW-IR_XNP-XX03RW	Before
	FC37-001073B	WINDOW-IR_XNP-XX00RW;BLACK	After

● Service Guide

- Backward-compatible change
- The simple design change causes no difference in performance/function,

● Effective From: July 11, 2025

How to use SSM ANPR(LPR) to process batch license plates

Information Target

☐ Repairman ☐ Installer ☒ End User

● Target model

- Appliances using SSM version 2.12.00 or later
- Customers who purchase ANPR (LPR) licenses separately

● Purpose

- When there are many vehicles to be registered/deleted, batch processing improves efficiency

● How to set up

- Step 1 : Click Add Menu Tab → Solution → Click ANPR(LPR) → Click Button → Click Vehicle Management → Register Vehicle Tab → Register 1 Reference Vehicle

Vehicle management

Registered vehicle

Temporary vehicle

Restricted vehicle

Management history

Note: The reference vehicle registration is designed to output a CSV file; thus, you need to fill it out without any blank spaces.

Vehicle num

No.	*Vehicle number	Registration date	*Name	Building number	Unit	*Contact information	Vehicle type	Color	Descrip
1	374HQR	2025-06-20	Hong	2123	112	010234512341	ABC	White	SAMPLE

- Step 2 : Click Export button → Save AS (CSV File) → Open File in Excel → Edit → Save

①

1	Classification	Vehicle number	Registration date	Name	Building number	Unit	Contact information	Vehicle type	Color	Description
2	Registeredvehicle	374HQR	2025-06-20	Hong	2123	112	10234512341	ABC	White	SAMPLE

②

③

Precautions:

① : Never modify the contents of the column in the first row

② : The input in the first column('Classification') are to be 'Registered Vehicle'

③ : The required fields, 'Vehicle number', 'Name', and 'Contact information', must be filled out.

- Step 3 : Click Import in the Vehicle Management menu → Select and open the edited file → Confirm input

Vehicle management

Registered vehicle

Temporary vehicle

Restricted vehicle

Management history

Vehicle num

1	374HQR	2025-06-20	Hong				10234512341	Hyundai	White	SAMPLE
2	375HQR	2025-06-20	Lee				1023458215			
3	376HQR	2025-06-20	Park				10259485			
4	377HQR	2025-06-20	Kim				16402200036			
5	378HQR	2025-06-20	John				14656891223			
6	379HQR	2025-06-20	Tom				14568720			
7	380HQR	2025-06-20	Ronaldo				165666548			

※ If you do not follow the precautions for data input in Step 2, there may be a problem in Step 3.

Information on the batch installation/uninstallation procedures of the Open Platform app

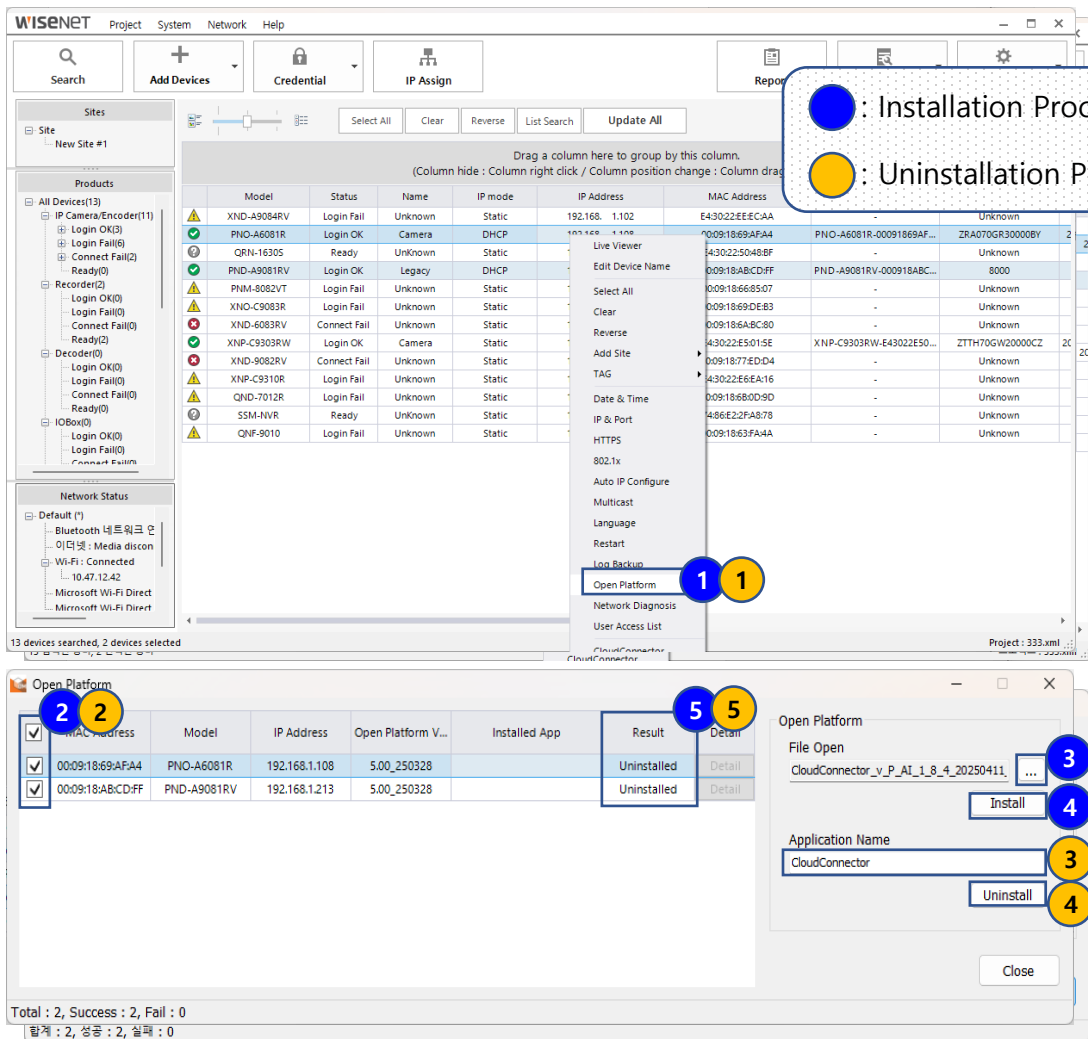
Information Target

☐ Repairman ☒ Installer ☐ End User

● Target model

- Cameras using App.(Wise AI, Cloud Connector)

. PNO/PND/PNV-A9081R, PNO/PND/PNV-A6081R, PNB-A9092/A9082, PNB-A9001/A6001, PNO/PND/PNV-A9082R/A7082R(V,Z), XNO/D/V-A9084R/A8084R, PNM-C series, etc.



[Example] App.: **CloudConnector** installation/uninstallation screen]

● Procedure

1) **Batch Installation** : Wisenet Device Manager → Device list: Right click → ① Click the [Open Platform] option → ② Select a device → ③ Select an App. File → ④ Click the [Install] button → ⑤ Result: [Installed]

2) **Batch Uninstallation** : Wisenet Device Manager → Device list: Right click → ① Click the [Open Platform] option → ② Select a device → ③ [Enter [Application name]] → ④ Click the [Uninstall] button → ⑤ Result: [Uninstalled]

How to use WinDebugLogger v1.1

● Target model

Information Target

☒ Repairman ☐ Installer ☐ End User

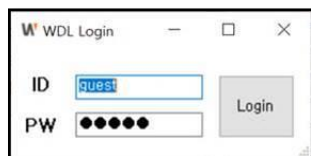
- All Hanwha Vision network camera models

● Purpose

- To guide you on how to extract debug logs for a developer review in case of abnormal symptoms in network cameras.

● How to use WinDebugLogger

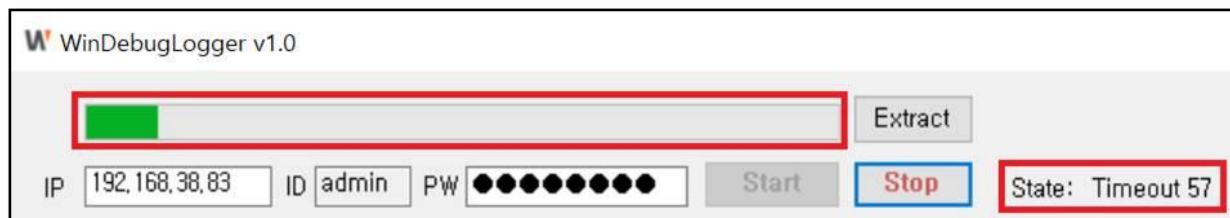
- 1) When running **WinDebugLogger**, allow all permissions, including all networks, in the permission pop-up window.
- 2) Log in to **WinDebugLogger** (ID: guest, PW: guest)



- 3) Enter the camera IP Address/PW, and then click the **Start** button to save the log.



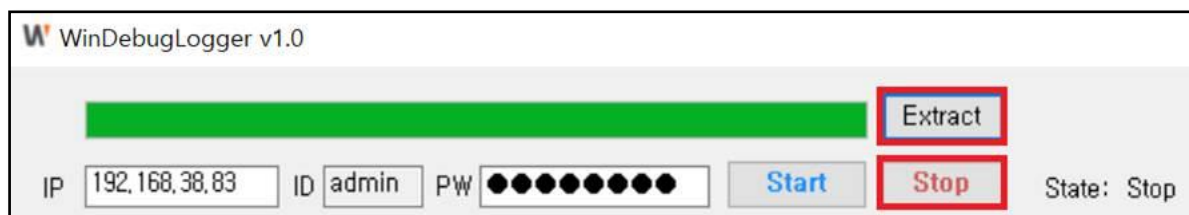
- 4) If the Debug Log is being saved normally, the progress bar will visually indicate the progress status every time a log is received, and the Timeout limit will continuously be reset to 60 seconds.



- 5) Aging in the current state.

- 6) Extract a log by WinDebugLogger

[Click the **Stop** button → Click the **Extract** button to save the file → Create a **bin** file → Send to the representative at Hanwha Vision]



Information on the NetBoard Manager v4.0 update

Information Target

Repairman Installer End User

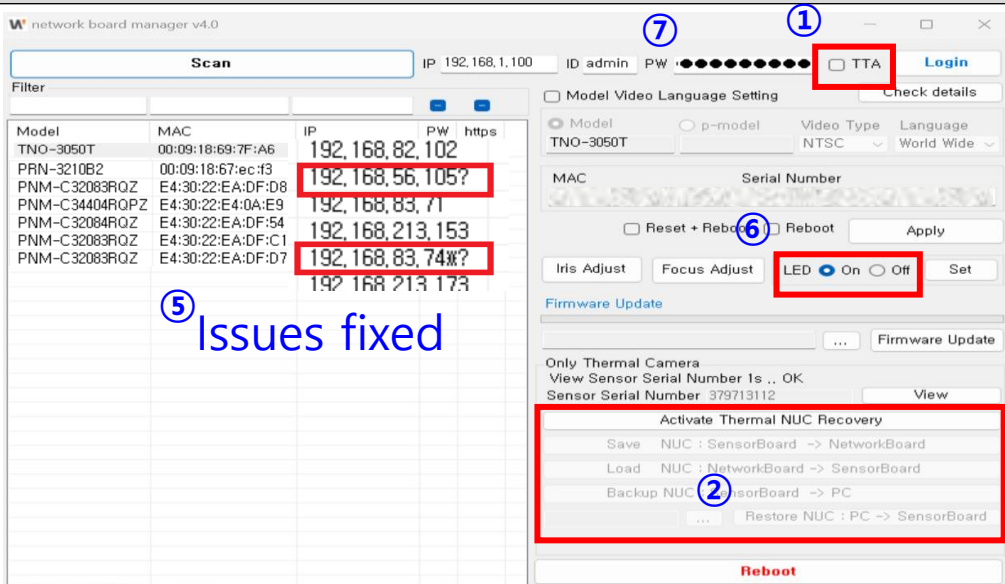
Target model

- Network camera repair-dedicated software (Windows OS)

Purpose

- To use **NetBoard Manager** for easy input/change of information (Mac. Address, Serial Number, Model Name, etc.) after replacing the camera's Network Board.

Version and Release Date: Ver.4.0, June 10, 2025

Category	Details																																								
Function & Specs	<table border="1"><thead><tr><th>Model</th><th>MAC</th><th>IP</th><th>PW</th><th>https</th></tr></thead><tbody><tr><td>TNO-3050T</td><td>00:09:18:69:7F:A6</td><td>192,168,82,102</td><td></td><td></td></tr><tr><td>PRN-3210B2</td><td>00:09:18:67:ec:f3</td><td>192,168,56,105?</td><td></td><td></td></tr><tr><td>PNM-C32083RQZ</td><td>E4:30:22:EA:DF:D8</td><td>192,168,83,71</td><td></td><td></td></tr><tr><td>PNM-C34404ROPZ</td><td>E4:30:22:EA:DA:E9</td><td>192,168,213,153</td><td></td><td></td></tr><tr><td>PNM-C32084RQZ</td><td>E4:30:22:EA:DF:54</td><td>192,168,83,74x?</td><td></td><td></td></tr><tr><td>PNM-C32083RQZ</td><td>E4:30:22:EA:DF:C1</td><td>192,168,213,173</td><td></td><td></td></tr><tr><td>PNM-C32083RQZ</td><td>E4:30:22:EA:DF:D7</td><td></td><td></td><td></td></tr></tbody></table> ① Using SHA-256 Digest authentication in the case of checking the TTA option, ② Extending the HttpRequest Timeout limit for a NUC Recovery request : 300s -> 600s ③ Adding models supporting the Stop TDA Communicate and Resume TDA Communicate UI : A distribution-oriented TTA Thermal Camera (TNO-C3010TRAG) and Thermal TeleLens Cameras (8 models including TNO-C3040T) ④ Adding UI only for AI-Thermal-Cameras (TNO-C3010TRA/TNO-C3020TRA/TNO-C3030TRA, TNO-C3012TRA/TNO-C3022TRA/TNO-C3032TRA) ⑤ Fixing the problem of unspecified strings being added to the end of IP addresses for development models based on Wisenet Platform ⑥ Supporting TNF-9010 LED On/Off testing ⑦ Supporting all special characters in passwords just like camera specifications: ~`!@#\$\$%^&*()- _+={}[]\ w;:~'"<>.,?/	Model	MAC	IP	PW	https	TNO-3050T	00:09:18:69:7F:A6	192,168,82,102			PRN-3210B2	00:09:18:67:ec:f3	192,168,56,105?			PNM-C32083RQZ	E4:30:22:EA:DF:D8	192,168,83,71			PNM-C34404ROPZ	E4:30:22:EA:DA:E9	192,168,213,153			PNM-C32084RQZ	E4:30:22:EA:DF:54	192,168,83,74x?			PNM-C32083RQZ	E4:30:22:EA:DF:C1	192,168,213,173			PNM-C32083RQZ	E4:30:22:EA:DF:D7			
	Model	MAC	IP	PW	https																																				
TNO-3050T	00:09:18:69:7F:A6	192,168,82,102																																							
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PNM-C32083RQZ	E4:30:22:EA:DF:D7																																								

※ TTA is a certification by the Telecommunications Technology Association and is applicable only to Korea models.

※ Please use **.Net Framework 4.7.2 or higher**, which is suitable for the security protocol TLS 1.2 update. (Refer to the June 2022 issue of Technical Information)

※ Download link : **Salesforce > Information pool > Library > LI-202506190011**

Latest Firmware Information (May 2025 - Jun 2025)

TYPE	MODEL	FIRMWARE	VER	DATE	REMARK			
NVR	ARN-410S ARN-810S ARN-1610S	ARN-1610S_5.35.22_25042 9145241	5.35.22	2025-05-08	- Deleted logs and events related to fan deletion.			
	QRN-830S XRN-425S XRN-815S	QRN-1630S_5.35.22_25042 9145655						
	XRN-420S	XRN-420S_5.35.22_250429 145529						
	PRN-1600B2 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	PRN-6400DB4_5.34.32_250 526170922	5.34.32	2025-06-10	-Fixed the issue where previous channel images were displayed when changing [Layout] in the [Search] menu. -Fixed the issue where search results indicated 1 hour apart in the case of using [Smart Search] while [DST] was activated as GMT-8 in [Date/Time/Language]. -Fixed the issue where [Event Monitoring] did not work for the channel beyond the maximum number of channels in the storage device UI (e.g., in the case of a 3x3 layout used on an 8-channel storage device, event monitoring was not possible on the 9 th channel). -Fixed the issue where UI reloading occurred when the mouse was over a [Channel] displayed during [Auto Sequence] operation -Fixed the issue where [Dynamic] events from cameras could not be received. -Fixed the OS Freezing/Rebooting issue caused by the load of the HDD synchronization process in the OS. - Fixed the Camera Hang issue during image reception -Fixed the issue where the time would automatically synchronize to a time after 2037.			
INTERCOM	TID-600R	TID-600R_2.12.02_2025050 2_R2	2.12.02	2025-05-13	- Added the ability to transmit video via SRTP during SIP calls. - Applied the default audio codec to [AAC].			
NW CAM	XNB-6003	XND-6083RV_2.23.05_2025 0422_R11	2.23.05	2025-05-09	- Added support for the [Edge Recording] feature in the Cloud Connector app. ※ When the [Edge Recording] feature is enabled, the camera's recording and playback functions will not be supported. The camera web viewer's recording and playback menus will disappear.			
	QNE-C8013RL	QNE-C8013RL_2.22.02_202 50424_R259	2.22.02					
	QNE-C9013RL	QNE-C9013RL_2.22.02_202 50424_R257	2.22.02					
	QNF-C9010	QNF-C9010_2.21.10_20250 424_R277	2.21.10					
	QNV-C6083R QNO-C6083R	QNV-C6083R_2.22.02_2025 0424_R232	2.22.02					
	QNV-C8011R	QNV-C8011R_2.22.02_2025 0424_R295	2.22.02					
	QNV-C8012	QNV-C8012_2.22.02_20250 424_R249	2.22.02					
	QNV-C9011R	QNV-C9011R_2.22.02_2025 0424_R312	2.22.02					
	TNV-C8011RW	TNV-C8011RW_2.22.02_20 250424_R240	2.22.02					
	TNV-C8014RM	TNV-C8014RM_2.21.10_20 250424_R140	2.21.10					
	TNV-C8034RM	TNV-C8034RM_2.21.10_20 250424_R97	2.21.10					

Latest Firmware Information (May 2025 - Jun 2025)

TYPE	MODEL	FIRMWARE	VER	DATE	REMARK
NW CAM	QND/O/V-C8013R	QNV-C8013R_2.21.10_20250424_R216	2.21.10	2025-06-10	- Added support for the [Edge Recording] feature in the Cloud Connector app. ※ When the [Edge Recording] feature is enabled, the camera's recording and playback functions will not be supported. The camera web viewer's recording and playback menus will disappear.
	QND/O/V-C8023R	QNV-C8023R_2.21.10_20250424_R160	2.21.10	2025-06-10	
	QNO-C8083R QNV-C8083R	QNV-C8083R_2.22.02_20250424_R444	2.22.02	2025-06-10	
	QNO-C9083R QNV-C9083R	QNV-C9083R_2.22.02_20250424_R524	2.22.02	2025-06-10	
	XND-A8084RV XND-A9084RV XNO-A8084R XNO-A9084R XNV-A8084R XNV-A9084R	XNO-A9084R_25.01.02_20250504_R420	25.01.02	2025-05-09	- Improved bit saving performance of codec in WDR mode under low light environment - Installed the open source version update and patch
	PNM-C9022RV	PNM-C9022RV_2.23.01_20250509_R71	2.23.01	2025-05-15	- Fixed the infinite LLDP&CDP rebooting issue
	XNF-9013RV	XNF-9013RV_2.23.06_20250509_R19	2.23.06		
	PNM-9084QZ PNM-9084RQZ PNM-9085RQZ PNM-9084QZ1 PNM-9084RQZ1 PNM-9085RQZ1	PNM-984QZ_02.22.03_20250523_R495	2.22.03	2025-06-03	- Changed the PTR motor position logic as VM107 is applied. ※ It is not possible to downgrade to the previous firmware version.
	PNM-C16083RQZ PNM-C32083RQZ	PNM-C32083RQZ_25.01.02_20250530_R501	25.01.02	2025-06-06	
	PNM-C34404RQPZ	PNM-C34404RQPZ_25.01.06_20250530_R932	25.01.06	2025-06-06	
	QNP-6251	QNP-6251_2.21.06_20250605_R48	2.21.06	2025-06-11	
	QNP-6250 QNP-6250H QNP-6320 QNP-6320H	QNP-6320H_2.21.06_20250605_R240	2.21.06	2025-06-11	
	QNP-6320HS	QNP-6320HS_2.21.06_20250605_R49	2.21.06	2025-06-11	
	QNP-6250R QNP-6320R	QNP-6320R_2.21.06_20250605_R220	2.21.06	2025-06-11	
	XND-C6083RV XND-C7083RV XNO-C6083R XNO-C7083R XNV-C6083R XNV-C6083R XNV-C7083R	XND-C7083RV_2.23.06_20250530_R15	2.23.06	2025-06-10	
	MGC-F9011LI	MGC-F9011LI_2.21.10_20250428_R174	2.21.10	2025-06-10	
	MGC-D8080LI MGC-D8080	MGC-D8080LI_2.22.02_20250526_R11	2.22.02	2025-06-13	
	MGC-F9010LI	MGC-F9010LI_2.22.02_20250526_R9	2.22.02	2025-06-13	
	TNO-A26081	TNO-A26081_25.01.02_20250529_R389	25.01.02	2025-06-13	- Made changes in the specifications not to reinstall the WiseAI app deleted by upgrading the camera firmware.

Latest Firmware Information (May 2025 - Jun 2025)

TYPE	MODEL	FIRMWARE	VER	DATE	REMARK
NW CAM	XND-6080(R,RV,V) XNV-6080(R,RS)	XND-6080R_2.22.02_20250530_R23	2.22.02	2025-06-06	- Changed to FE binary replaced with VM107 due to discontinuation of Onsemi motor driver IC ※ It is not possible to downgrade to the previous firmware version.
	XND-6081REV XNV-6081RE	XND-6081REV_2.10.03_20250530_R9	2.10.03	2025-06-06	
	XND-6081(F,RF,RV) XNV-6081(R)	XND-6081RV_2.10.03_20250530_R216	2.10.03	2025-06-10	
	XNV-6083RZ XNV-6083Z	XNV-6083RZ_2.23.07_20250604_R188	2.23.07	2025-06-10	
	XNV-8083RZ(Z) XNV-9083RZ	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	
	XNO-6120R XNV-6120(R,RS)	XNO-6120R_2.10.05_20250530_R169	2.10.05	2025-06-12	
	XNP-6120H	XNP-6120H_2.10.03_20250530_R192	2.10.03	2025-06-12	
	XNO-6123R XNV-6123R	XNV-6123R_2.23.06_20250604_R52	2.23.06	2025-06-12	
	XNZ-6320A	XNZ-6320A_2.11.02_20250605_R153	2.11.02	2025-06-12	
	XNZ-L6320A	XNZ-L6320A_2.11.02_20250605_R8	2.11.02	2025-06-12	
	XND-8080R(RV) XNV-8080R(RS)	XND-8080R_2.10.05_20250611_R5	2.10.05	2025-06-17	
	XND-8081REV XNV-8081RE	XND-8081REV_2.10.03_20250610_R4	2.10.03	2025-06-17	
	XND-8081RF(RV) XNV-8081R	XND-8081RV_2.10.03_20250610_R4	2.10.03	2025-06-17	
	XNB-8003,9003 XND/V/O-8083R XND/V/O-8093R XND/V/O-9083R	XND-9083RV_2.23.06_20250611_R23	2.23.06	2025-06-17	
	XNF-8010R(RV) XNF-8010RW	XNF-8010R_2.10.05_20250610_R6	2.10.05	2025-06-17	
	XNP-6400(R) XNP-8250(R) XNP-9250(R)	XNP-9250R_2.23.05_20250611_R8	2.23.05	2025-06-17	
	XNP-6400RW XNP-8300RW XNP-9300RW	XNP-9300RW_2.23.06_20250611_R7	2.23.06	2025-06-17	
	XNP-C6403(R,RW) XNP-C8253(R,RW) XNP-C9253(R,RW)	XNP-C9303RW_2.23.06_20250611_R307	2.23.06	2025-06-17	
	XNB-8002,9002 XND/O/V-8082R XND/O/V-9082R	XNV-9082R_2.23.06_20250611_R22	2.23.06	2025-06-17	
	KNO-2080RN XNB-6000 XNO-6080R(RA,RS)	XNB-6000_2.10.09_20250609_R21	2.10.09	2025-06-18	
	XND-6083RV XNO/V-6083R	XND-6083RV_2.23.07_20250609_R23	2.23.07	2025-06-18	
	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	
	KNP-2550RHA XNP-6550RH	XNP-6550RH_2.10.03_20250609_R221	2.10.03	2025-06-18	