

Technical Newsletter

March.2024 Service Operation Team

Contents

Technical Information

- PT(Pan/Tilt) limit of PTZ camera
- Installing Wisenet Wave server on Solidedge SSD
- Smart Security Manager Ver. 2.15.01 updates

Latest Firmware Information

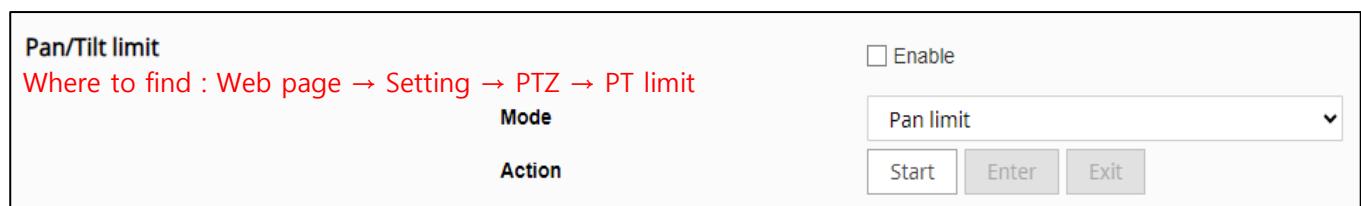
PT(Pan/Tilt) limit of PTZ camera

Info. Type

 Quality Settings Repair S/W Etc

● PT (Pan/Tilt) limit

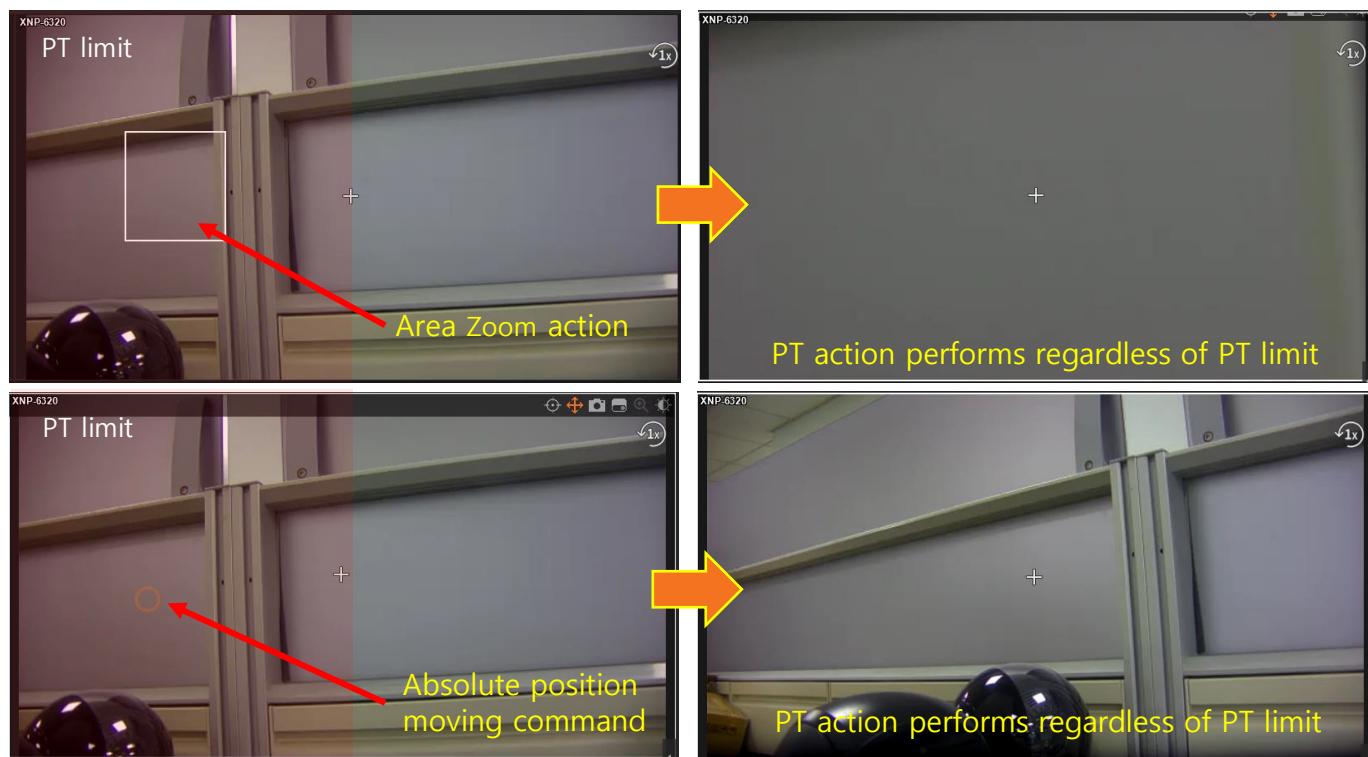
- It is a feature to set a excluding area of PT action, PT action only runs except the limited area
- It is a user convenience feature which to limit the area where does not require monitoring when using a Jog shuttle
- Default value is off, select [Enable] option to use the feature(Refer to Online Help)



● Exceptional case of PT limit

- Sequence action(Preset, Swing, Group, Tour, Tracking, Auto run, Home)
- Area Zoom and Absolute position moving command(Mouse click to move from VMS and NVR)

● Examples of exceptional case



PT limit feature is used for a user convenience purpose, not for a privacy limit
Please use 'Privacy Area' for area restriction for privacy security purpose

Installing Wisenet Wave server on Solidedge SSD

Info. Type

Quality Settings Repair S/W Etc

gs ■ Repair

S/W

Etc

- **Model :** Solidedge camera PNV-A6081R-E2T, PNV-A6081R-E1T

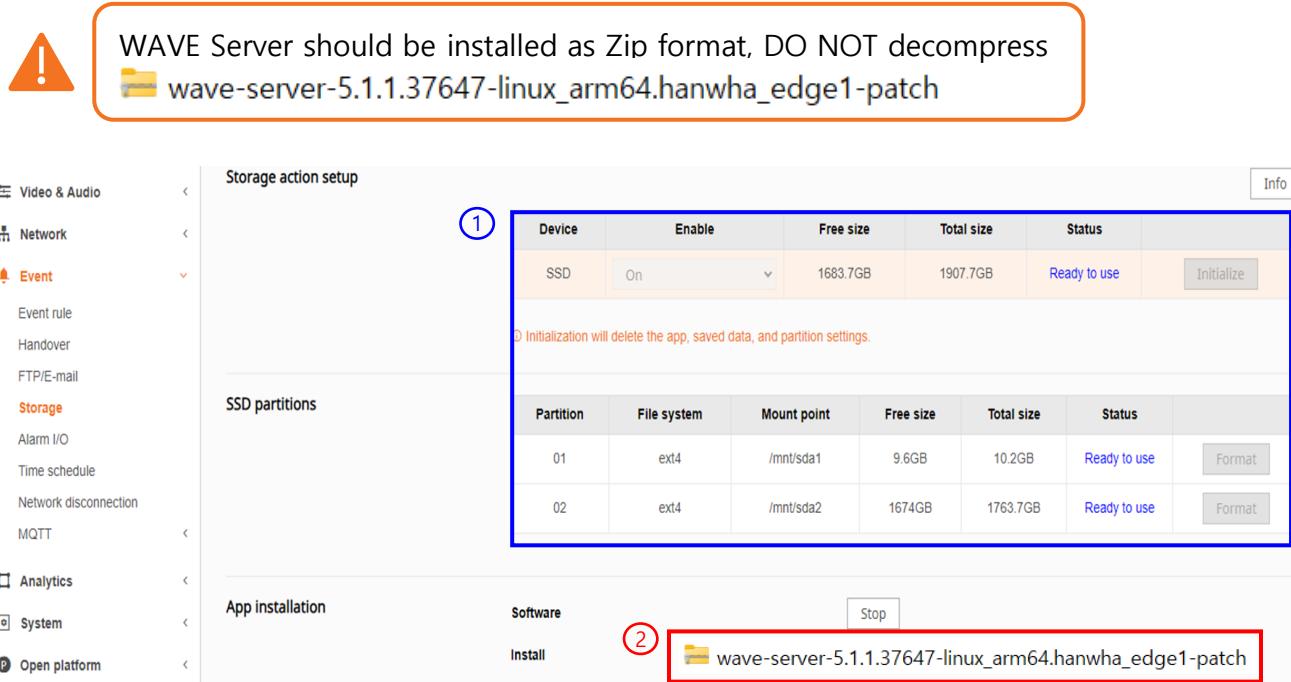
- Purpose

- To guide how to reinstall Wisenet Wave after SSD format/replacement of Solidedge camera

- How to re-install

- WAVE server of Solidedge camera is embedded on SSD
- WAVE server should be reinstalled after SSD format or replacement of SSD to repair

- ① Check SSD capacity and status
- ② Website → FW file download/decompress → find WAVE Server zip file (DO NOT decompress Zip) → Camera web → Event → Storage → App Installation → Install WAVE



● Etc.

- Enter License Key after re-installing WAVE Server
- In case of missing License Key information, please contact HQ CS Tech support

Smart Security Manager Ver. 2.15.01 update

Info. Type

 Quality Settings Repair S/W Etc

- **Model :** SSM Server, SSM PC Console Client, SSM Virtual Matrix
- **Version :** SSM v2.13.01 → v2.15.01
- **Updates**

| Category | | Contents |
|--------------------|--------------|--|
| Feature & Spec | New feature | <ul style="list-style-type: none"> - Added AI Box support - Supports PPE(Safety helmet, Safety vest) detection and Fall detection events - Supports display of NVR RAID status on Dashboard. - Added SVG file format to the map layout |
| | Improvements | <ul style="list-style-type: none"> - Improved the client tab menu display - Removes the object search period restriction - Improved the camera shortcut input UI - Improved the tree keyword filter in the Configuration Manager - Applied the protocol changes for the Detection shot Metadata - Improved the map layout functions. <ul style="list-style-type: none"> ` Automatically hide Map Link menu ` Display the camera in the center of the map ` Video displayed when mouse over |
| Error fix | | <ul style="list-style-type: none"> - Fixed fast forward bug in MediaServer - Fixed screen control issues with the System Controller in the Console - Fixed video loss that occurred after changing the profile of Onvif cameras - Fixed autofocus operation issue for XNP-C9310R/XNP-C9310RW - Fixed video loss that occurred after fallback in Virtual Matrix - Fixed login failure issue in Dashboard - Fixed bug where ANPR event did not occur - Fixed bug where WiseAI Human object top/bottom colors were not displayed |
| New device support | | <ul style="list-style-type: none"> - SSM Core Server/Console Client/VM <ul style="list-style-type: none"> ` IP Camera: ANE-L7012L, PNV-A6081R, PNV-A6082R, PNV-A7082R, PNV-A8082R, PNV-A9082R, PNO-A9311R, TNS-9050IBC ` Recorder: XRN-6420DB4, XRN-6420B4, XRN-3220B4, XRN-426S-1T ` AI BOX: AIB-800 |

※ Downloadable at <https://www.hanwhavision.com/>

DVR

| Model | File | Date | Ver. | Remark |
|--------------------|-----------------------------------|------------|---------|--|
| ARD-410 ARD-810 | ARD-810_5.31.32 _230525160458 | 2023/05/25 | 5.31.32 | |
| ARD-1610 | ARD-1610_5.31.32 _230525165929 | 2023/05/25 | 5.31.32 | - Addressed an issue where DDNS ID was occasionally not issued |
| HRX-434/435 | HRX-435_4.52.42 _231023103139 | 2023/11/02 | 4.52.42 | - Corrected an error where an analog camera intermittently displayed a channel number like a multi-directional camera (MDC) |
| HRX-835/1632 | HRX-1632_4.52.42 _231023103853 | | | - Corrected an error where the video recording device mistakenly assumed that no video signal was received when the analog camera had a low signal |
| HRX-1634/1635 | HRX-1635_5.31.42 _231023102331 | 2023/11/02 | 5.31.42 | - Corrected an error where an analog camera intermittently displayed a channel number like a multi-directional camera (MDC) |

NVR

| Model | File | Date | Ver. | Remark |
|--|--------------------------------------|------------|---------|---|
| PRN-1600B2 PRN-3200B2/B4 PRN-6400B4/DB4 | | | | |
| XRN-820S XRN-1620B2/SB1 XRN-3210 (B2,B4,RB2) XRN-6410 (B2,B4,DB4,RB2) | PRN-6400DB4_5.30.72 _231107202437 | 2023/11/14 | 5.30.72 | <ul style="list-style-type: none"> - Corrected an issue that caused the [Dynamic layout] feature to malfunction - Fixed mouse-click errors in some pop-up windows - Corrected an issue that prevented you from inserting spaces in the [NVR name] entry box in the Web viewer - Corrected the howling issue that intermittently happened when you played videos using an AAC codec on Wisenet mobile - Changed the domain name from hanwha-security to hanwhavision to reflect the new company name - Improved the backup speed of remote clients (SSM, NVR, Web viewer, SMV, etc.) |
| QRN-830S QRN-1630S XRN-815S | QRN-1630S_5.06.52 _230626173233 | 2023/08/10 | 5.06.52 | <ul style="list-style-type: none"> - Removed support for fan-related events and logs |
| QRN-430S XRN-420S | XRN-420S_5.01.62 _231128194047 | 2023/12/11 | 5.01.62 | <ul style="list-style-type: none"> - Security improved |
| XRN-810S | xrn-x10x-pkg_v2.70 _231213065458 | 2024/01/02 | 2.70 | <ul style="list-style-type: none"> - Security improved |

Network Camera

| Model | File | Date | Ver. | Remark |
|--|---|------------|---------|---|
| LND/V-6012R LND-6022R LNV-6072R | LNO-6072R_1.41.13 _20231109_R165 | 2023/11/28 | 1.41.13 | - Fixed a problem that the NTP server time was not reset to match the changed NTP server when the NTP server address setting was changed |
| PNM-12082RVD | PNM-12082RVD_2.22.01 _20240103_R165 | 2024/01/10 | 2.22.01 | - Changed the corporate name to Hanwha Vision in the web viewer as the name changed to Hanwha Vision |
| PNM-7082RVD | | 2024/01/10 | 2.22.01 | |
| PNM-9031RV | PNM-9031RV_2.22.01 _20231101_R542 | 2023/11/28 | 2.22.01 | - Fixed language errors in Japanese version [v2.22.00, PNM] |
| PNM-9084RQZ1 PNM-9085RQZ1 | PNM-9084QZ_2.22.02 _20231109_R380 | 2023/11/28 | 2.22.02 | - Fixed an issue where video streaming was interrupted for the live and recording in the camera registered to NVR or Genetec |
| PNM-C12083RVD | PNM-C12083RVD_2.21.03 _20231025_R352 | 2023/11/23 | 2.21.03 | - Added support for the Cisco Discovery Protocol (CDP) used in CISCO switches |
| PNV-A9081R | PNO-A9081R_2.21.13 _20230414_R782 | 2023/10/10 | 2.21.13 | - Added a function where you can select attributes to send to object metadata |
| QNF-9010 | QNF-9010_2.11.03 _20230509_R444 | 2022/06/20 | 2.11.03 | - Added an option to choose a TLS version |
| QND-6011 QND/O/V-6012R QND/O/V-6022R QND/O/V-6072R QND/O/V-6082R | QNO-6082R_1.41.16 _20231109_R401 | 2023/11/28 | 1.41.16 | - Fixed a problem that the NTP server time was not reset to match the changed NTP server when the NTP server address setting was changed |
| QND/O/V-6012R1 QND/O/V-6022R1 QND/O/V-6082R1 | QNO-6082R1_1.41.05 _20230426_R32 | 2023/05/09 | 1.41.05 | - Fixed a problem that the NTP server time was not reset to match the changed NTP server when the NTP server address setting was changed |
| QND/O/V-7012R QND-7022R QND/O/V-7082R | QNO-7082R_1.41.16 _20231109_R171 | 2023/11/28 | 1.41.16 | - Added the DLL auto tune function to address the camera rebooting issue caused by the fixed DLL value |
| QND/O/V-8010R QND/E-8011R QND/O/V-8020R QND/O/V-8080R | QNO-8080R_1.41.16 _20231109_R364 | 2023/11/28 | 1.41.16 | - Added options to configure GOV, dynamic GOV, and dynamic FPS settings of the recording profile. In case of configuration, however, the video may not be recorded properly |
| QNP-6250(H) | QNP-6320H_2.21.04 _20230623_R205 | 2023/06/28 | 2.21.04 | - Added auto tracking function |

Network Camera

| Model | File | Date | Ver. | Remark |
|--------------------------------|---------------------------------------|------------|---------|--|
| QNO-C8083R QNV-C8083R | QNV-C8083R_2.21.10 _20230908_R311 | 2023/09/20 | 2.21.10 | - Added video analytics features ([People counting], [Heatmap], [Queue management], and [Vehicle counting]) |
| XNB-6000 | XNB-6000_2.10.05 _20230516_R685 | 2023/05/16 | 2.10.05 | |
| XNB-6001 | XNB-6001_2.10.04 _20230516_R574 | 2023/06/02 | 2.10.04 | - Added setting option to enable or disable simple focus function after [Day/Night] mode operation |
| XND-6020R | XND-6020R_2.10.02 _20220401_R596 | 2022/04/20 | 2.10.02 | - Added certificate management function |
| XND/V-6080R XND/V-6080(V) | XND-6080_2.22.00 _20231106_R584 | 2023/11/16 | 2.22.00 | - Corrected an issue where the [Time schedule] feature did not intermittently work after the camera rebooted |
| XND-8020R | XND-8020R_2.10.02 _20220401_R599 | 2022/04/20 | 2.10.02 | - Added certificate management function |
| XND/V-C6083RV XND/V-C7083RV | XND-C7083RV_2.22.03 _20231025_R410 | 2023/11/14 | 2.22.03 | |
| XNV-C8083R XNV-C9083R | XND-C9083RV_2.22.03 _20231025_R429 | 2023/11/14 | 2.22.03 | - Corrected an issue where the [Time schedule] feature did not intermittently work after the camera rebooted - Corrected an issue where the admin password wasn't changed when you tried changing the admin password using the ONVIF protocol |
| XNF-8010R(RV) | XNF-8010R_2.10.04 _20230328_R640 | 2023/05/11 | 2.10.04 | - When setting the H.264/H.265 codec, you can set the minimum bitrate to 10 kbps |
| XNF-9010RV | XNF-9010RV_2.22.03 _20231025_R448 | 2023/11/14 | 2.22.03 | - Fixed an issue where the web page was not opened after a virtual channel was added to it |
| XNP-6400(R) | XNP-9250R_2.22.01 _20231031_R344 | 2023/11/14 | 2.22.01 | - Added a function to configure the MTU size between 1,280 and 1,500 in [Setup] > [Basic] > [IP & Port] > [IP address] |
| XNV-6011 | XNV-6011_2.10.02 _20220117_R573 | 2022/02/07 | 2.10.02 | - Added certificate management function |
| XND/O/V-8082R | XNV-9082R_2.22.03 _20231025_R472 | 2023/11/14 | 2.22.03 | - Fixed an issue where the web page was not opened after a virtual channel was added to it |

Encoder / Decoder

| Model | Filename | Date | Version | Release Note |
|-----------------------|--------------------------------------|------------|---------|---|
| SPD-152 | SPD-152_5.10.32 _230508130731 | 2023/05/10 | 5.10.32 | <ul style="list-style-type: none"> - Deleted the function of synchronizing a decoder SPD-152 with a camera audio - Enable the sequence to operate in the latest layout configuration when the decode restarts after it reboots in operation of layout sequence functions - Increased the maximum number of layouts from 10 to 20 for layout configuration and operation of layout sequence |
| SPD-260B SPD-1660R | SPD-1660R-PKG_v2.12 _210114194116 | 2021/02/01 | 2.12 | <ul style="list-style-type: none"> - Fixed an issue where some H.265 resolutions could not be decoded in Wisenet 7 cameras. - Fixed an issue where video is not displayed once in a while when switched to layout after connecting to SSM. |
| SPE-110 | SPE110_1.31 _200310_1700 | 2020/03/25 | 1.31 | <ul style="list-style-type: none"> - Supports video output setup - Provides the notification message "Live video cannot be played" on maximum streaming |
| SPE-1620 | SPE-1620_2.21.02 _20230807_R198 | 2023/08/11 | 2.21.02 | <ul style="list-style-type: none"> - Fixed an issue that caused the encoder to reboot when disconnected from the camera on the firmware v2.21.01 |
| SPE-420 | SPE-420_2.21.02 _20230803_R152 | 2023/08/11 | 2.21.02 | |
| SPE-1630 | SPE-1630_2.21.01 _20230309_R149 | 2023/03/24 | 2.21.01 | <ul style="list-style-type: none"> - Added a function to display the time in "Month-Day-Year Hour:Minute" format if H.264 or H.265 codec is applied - Fixed an error where ONVIF discovery communication was not available between a camera and Wisenet Device Manager in a certain circumstance |

Software

| Model | Filename | Date | Version |
|----------------|----------|------------|---|
| Wisenet SSM | 2.15.02 | 2023/03/15 | - Bug fixes and functional improvements |
| Wisenet Viewer | 1.04.00 | 2023/02/23 | - Bug fixes and functional improvements |
| Smart Viewer | 4.9.13 | 2022/05/18 | - Bug fixes and functional improvements |
| Wisenet mobile | 2.07.02 | 2023/12/20 | - Bug fixes and functional improvements |

HDD Compatibility List

Revision 11.24

Release date : 2023.12.14

Hanwhavision.com > Support > Data Center > HDD Compatibility

Major change

1. New model : XRN-6420DB4

- ST6000VX008-2ZP1, ST4000VX015-3CU1, ST8000VX009-2ZP1, WD8001PURA-64B6VY0

2. WD PURU Series Restrictions Added: XRN-6420DB4

- WD42PURU-64C4CY0, WD63PURU-64C4FY0

- Only products produced after July 15, 2023