

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)

Pan/Tilt limit

Where to find : Web page → Setting → PTZ → PT limit

Mode

Action

☐ Enable

Pan limit

Start

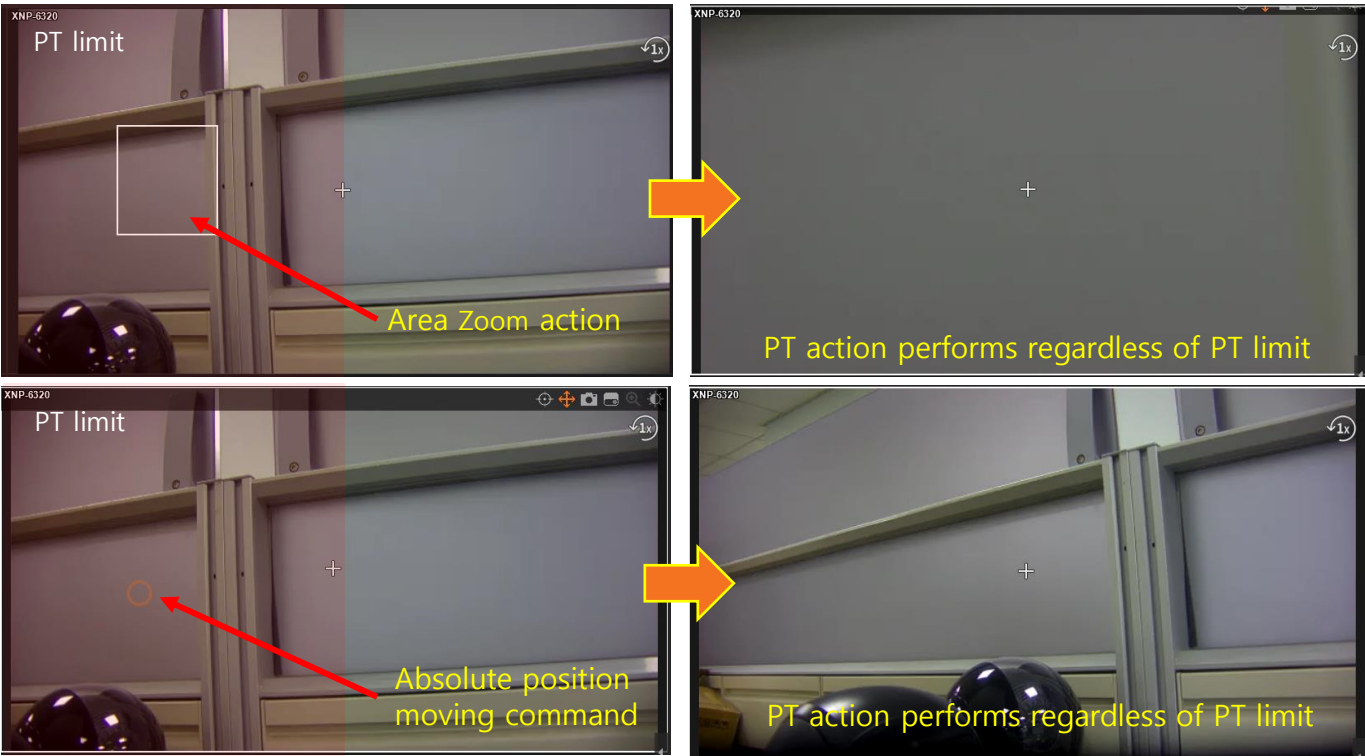
Enter

Exit

● 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

● **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

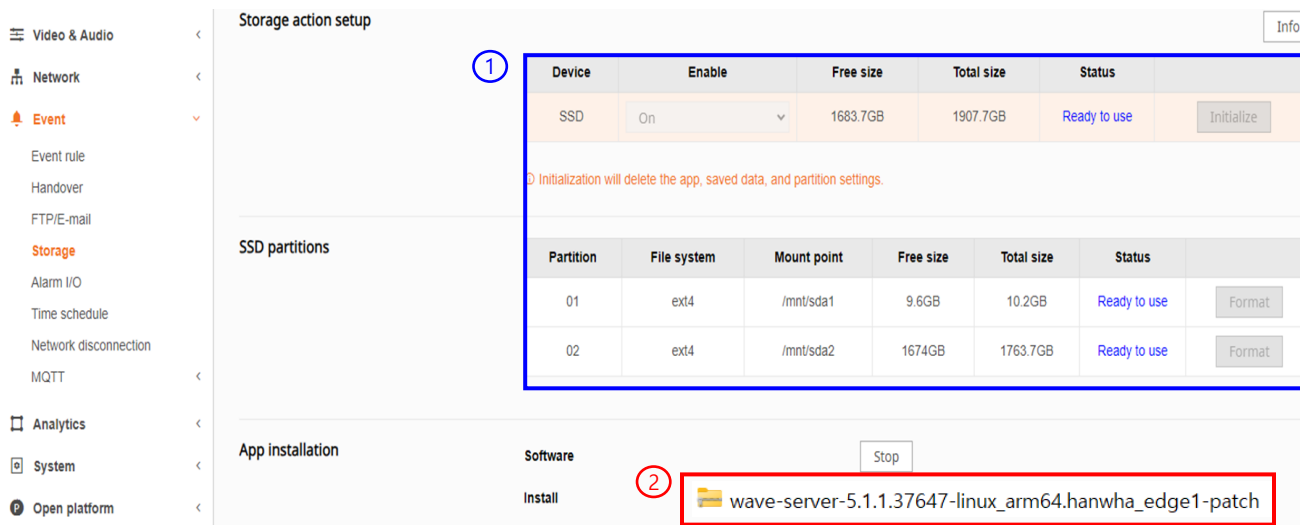
- WAVE server of Solidedge camera is embedded on SSD
- WAVE server should be reinstalled after SSD format or replacement of SSD to repair

- 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



WAVE Server should be installed as Zip format, DO NOT decompress


 wave-server-5.1.1.37647-linux_arm64.hanwha_edge1-patch



Device	Enable	Free size	Total size	Status	
SSD	On	1683.7GB	1907.7GB	Ready to use	Initialize

Initialization will delete the app, saved data, and partition settings.

Partition	File system	Mount point	Free size	Total size	Status	
01	ext4	/mnt/sda1	9.6GB	10.2GB	Ready to use	Format
02	ext4	/mnt/sda2	1674GB	1763.7GB	Ready to use	Format

Software	Install	Stop
 wave-server-5.1.1.37647-linux_arm64.hanwha_edge1-patch		

● 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
	Improve ments	<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 failback 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	- Addressed an issue where DDNS ID was occasionally not issued
ARD-1610	ARD-1610_5.31.32_230525165929	2023/05/25	5.31.32	
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	PRN-6400DB4_5.30.72_231107202437	2023/11/14	5.30.72	- 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.)
XRN-820S XRN-1620B2/SB1 XRN-3210 (B2,B4,RB2) XRN-6410 (B2,B4,DB4,RB2)				
QRN-830S QRN-1630S XRN-815S	QRN-1630S_5.06.52_230626173233	2023/08/10	5.06.52	- Removed support for fan-related events and logs
QRN-430S XRN-420S	XRN-420S_5.01.62_231128194047	2023/12/11	5.01.62	- Security improved
XRN-810S	xrn-x10x-pkg_v2.70_231213065458	2024/01/02	2.70	- 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	PNM-7082RVD_2.22.01 _20240103_R136	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	- Added setting option to enable or disable simple focus function after [Day/Night] mode operation
XNB-6001	XNB-6001_2.10.04 _20230516_R574	2023/06/02	2.10.04	
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	- 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
XNV-C8083R XNV-C9083R	XND-C9083RV_2.22.03 _20231025_R429	2023/11/14	2.22.03	
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