2025 Hanwha Vision S-Cert Team

Dec 2025

Camera Vulnerability Report
(CVE-2025-52598~52601, 8075)

■ OVERVIEW

- Cybersecurity Nozomi Networks Labs, *a specialized security company focused on Industrial Control Systems (ICS) and OT/IoT security*, discovered vulnerabilities in Camera and reported them to Hanwha Vision S-CERT on April 7, 2025.

- The list of vulnerabilities is below.

CVE	Description
CVE-2025-52598	Insufficient certificate validation in Camera's client side service
CVE-2025-52599	Inadequate guest account permissions management
CVE-2025-52600	Insufficient validation of strings entered in the video analysis function
CVE-2025-52601	Encryption key for sensitive information is hardcoded
CVE-2025-8075	Insufficient validation of strings entered in the xml format's request message

■ RISK ANALYSIS

CVE	Review Opinion	Score (CVSS v4.0)
CVE-2025-52598	The client service (SMTP, Handover) provided by the camera did not provide a function to verify the server-side certificate. Based on the Nozomi's report, we identified this as a critical security feature and have added a certificate verification function.	6.3
CVE-2025-52599	There was an issue where SNMP settings could be viewed using the guest account. Beyond viewing the settings, setup or modifications were not possible. However, we	6.3

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	determined this was an issue and immediately addressed it.	
CVE-2025-52600	An error was found in the camera's web service that could cause exception handling logic to be executed in an improper manner. An attacker could execute a crafted input message to trigger the creation of a crafted excel report. For this attack to be successful, a crafted message must be input to the user's camera and a function to export an Excel report must be executed. This scenario requires authenticated access and is considered unlikely. And This vulnerability was immediately checked and removed.	5.2
CVE-2025-52601	The Device Manager facilitating camera usage had a hardcoded encryption key for sensitive information. This vulnerability was immediately checked and removed.	6.3
CVE-2025-8075	An error was found in the camera's web service that could cause exception handling logic to be executed in an improper manner. An attacker could execute a crafted request message(xml format) to trigger an XSS attack. However, for this attack to be possible, an OpenPlatform APP must be installed and running. The security team has confirmed that the only OpenPlatform APP in question is CloudConnector. And This vulnerability was immediately checked and removed.	5.8

■ Solution and Required Action

- Please update the affected models with the latest firmware as soon as possible. It is recommended to use the Wisenet Device Manager tool to download & update device firmware. Firmware can also be downloaded from Hanwha Vision websites.

- If you have any questions, please feel free to reach out the Hanwha S-CERT team at secure.cctv@hanwha.com or your local Technical Support Team.

■ AFFECTED PRODUCTS AND FIRMWARE

- Refer to the below table for the affected model, affected firmware version, and corrected firmware version.

Model	Affected Firmware Version	Corrected Firmware Version
XNO-8082R	Prior to version 2.23.11	Version 2.24.00 and later
XNV-8082R	Prior to version 2.23.11	Version 2.24.00 and later
XND-8082RF	Prior to version 2.23.11	Version 2.24.00 and later
XND-8082RV	Prior to version 2.23.11	Version 2.24.00 and later
XNB-8002	Prior to version 2.23.11	Version 2.24.00 and later
XNO-9082Rz	Prior to version 2.23.11	Version 2.24.00 and later
XNV-9082R	Prior to version 2.23.11	Version 2.24.00 and later
XND-9082RF	Prior to version 2.23.11	Version 2.24.00 and later
XND-9082RV	Prior to version 2.23.11	Version 2.24.00 and later
XNB-9002	Prior to version 2.23.11	Version 2.24.00 and later
XNF-9010RV	Prior to version 2.23.11	Version 2.24.00 and later
XNF-9010RS	Prior to version 2.23.11	Version 2.24.00 and later
XNF-9010RVM	Prior to version 2.23.11	Version 2.24.00 and later
XND-C7083RV	Prior to version 2.23.11	Version 2.24.00 and later
XNO-C7083R	Prior to version 2.23.11	Version 2.24.00 and later
XNV-C7083R	Prior to version 2.23.11	Version 2.24.00 and later
XND-C6083RV	Prior to version 2.23.11	Version 2.24.00 and later
XNV-C6083R	Prior to version 2.23.11	Version 2.24.00 and later
XNV-C6083	Prior to version 2.23.11	Version 2.24.00 and later
XNO-C6083R	Prior to version 2.23.11	Version 2.24.00 and later
XNO-C9083R	Prior to version 2.23.11	Version 2.24.00 and later
XND-C9083RV	Prior to version 2.23.11	Version 2.24.00 and later
XNV-C9083R	Prior to version 2.23.11	Version 2.24.00 and later
XNO-C8083R	Prior to version 2.23.11	Version 2.24.00 and later
XNV-C8083R	Prior to version 2.23.11	Version 2.24.00 and later
XND-C8083RV	Prior to version 2.23.11	Version 2.24.00 and later
XNB-6003	Prior to version 2.23.11	Version 2.24.00 and later
XNO-6083R	Prior to version 2.23.11	Version 2.24.00 and later
XNV-6083R	Prior to version 2.23.11	Version 2.24.00 and later
XND-6083RV	Prior to version 2.23.11	Version 2.24.00 and later
XNO-8083R	Prior to version 2.23.11	Version 2.24.00 and later
XNV-8093R	Prior to version 2.23.11	Version 2.24.00 and later

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XNV-8083R	Prior to version 2.23.11	Version 2.24.00 and later
XNV-8083RVX	Prior to version 2.23.11	Version 2.24.00 and later
XND-8093RV	Prior to version 2.23.11	Version 2.24.00 and later
XND-8083RV	Prior to version 2.23.11	Version 2.24.00 and later
XND-8083RVX	Prior to version 2.23.11	Version 2.24.00 and later
XNB-8003	Prior to version 2.23.11	Version 2.24.00 and later
XNV-8083RX	Prior to version 2.23.11	Version 2.24.00 and later
XND-9083RV	Prior to version 2.23.11	Version 2.24.00 and later
XNO-9083R	Prior to version 2.23.11	Version 2.24.00 and later
XNV-9083R	Prior to version 2.23.11	Version 2.24.00 and later
XNB-9003	Prior to version 2.23.11	Version 2.24.00 and later
XNV-6123R	Prior to version 2.23.11	Version 2.24.00 and later
XNO-6123R	Prior to version 2.23.11	Version 2.24.00 and later
XNF-9013RV	Prior to version 2.23.11	Version 2.24.00 and later
XNV-6083Z	Prior to version 2.23.11	Version 2.24.00 and later
XNV-6083RZ	Prior to version 2.23.11	Version 2.24.00 and later
XNV-8083RZ	Prior to version 2.23.11	Version 2.24.00 and later
XNV-8083Z	Prior to version 2.23.11	Version 2.24.00 and later
XNV-9083RZ	Prior to version 2.23.11	Version 2.24.00 and later
TNV-C7013RC	Prior to version 2.23.11	Version 2.24.00 and later
XNB-6002	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C6403	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C6403R	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C6403RW	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C8253	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C8253R	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C8303RW	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C9253	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C9253R	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C9303RW	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C7310R	Prior to version 2.23.11	Version 2.24.00 and later
XNP-C9310R	Prior to version 2.23.11	Version 2.24.00 and later
XNP-6400	Prior to version 2.23.07	Version 2.24.00 and later
XNP-6400R	Prior to version 2.23.07	Version 2.24.00 and later
XNP-8250	Prior to version 2.23.07	Version 2.24.00 and later
XNP-8250R	Prior to version 2.23.07	Version 2.24.00 and later
XNP-9250	Prior to version 2.23.07	Version 2.24.00 and later
XNP-9250R	Prior to version 2.23.07	Version 2.24.00 and later
XNP-9300RW	Prior to version 2.23.08	Version 2.24.00 and later

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XNP-8300RW	Prior to version 2.23.08	Version 2.24.00 and later
XNP-6400RW	Prior to version 2.23.08	Version 2.24.00 and later
PNM-9080VQ	Prior to version 2.22.00	Version 2.23.00 and later
PNM-9081VQ	Prior to version 2.22.00	Version 2.23.00 and later
PNM-7000VD	Prior to version 2.22.00	Version 2.23.00 and later
PNM-9000VQ	Prior to version 2.22.00	Version 2.23.00 and later
PNM-9320VQP	Prior to version 2.22.00	Version 2.23.00 and later
PNM-9000VD	Prior to version 2.22.00	Version 2.23.00 and later
PNM-9321VQP	Prior to version 2.22.00	Version 2.23.00 and later
PNM-7002VD	Prior to version 2.22.02	Version 2.23.00 and later
PNM-9002VQ	Prior to version 2.22.02	Version 2.23.00 and later
PNM-9085RQZ	Prior to version 2.22.03	Version 2.23.00 and later
PNM-9084QZ	Prior to version 2.22.03	Version 2.23.00 and later
PNM-9084RQZ	Prior to version 2.22.03	Version 2.23.00 and later
PNM-9084QZ1	Prior to version 2.22.03	Version 2.23.00 and later
PNM-9084RQZ1	Prior to version 2.22.03	Version 2.23.00 and later
PNM-9085RQZ1	Prior to version 2.22.03	Version 2.23.00 and later
PNM-9322VQP	Prior to version 2.22.02	Version 2.23.00 and later
QNV-C9083R	Prior to version 2.22.05	Version 2.22.10 and later
QNO-C9083R	Prior to version 2.22.05	Version 2.22.10 and later
QNV-C8083R	Prior to version 2.22.05	Version 2.22.10 and later
QNO-C8083R	Prior to version 2.22.05	Version 2.22.10 and later
QNV-C9011R	Prior to version 2.22.05	Version 2.22.10 and later
QNV-C8011R	Prior to version 2.22.05	Version 2.22.10 and later
QNV-C8012	Prior to version 2.22.05	Version 2.22.10 and later
QNE-C9013RL	Prior to version 2.22.05	Version 2.22.10 and later
QNE-C8013RL	Prior to version 2.22.05	Version 2.22.10 and later
QNV-C6083R	Prior to version 2.22.05	Version 2.22.10 and later
QNO-C6083R	Prior to version 2.22.05	Version 2.22.10 and later
TNV-C8011RW	Prior to version 2.22.05	Version 2.22.10 and later
QNV-C8013R	Prior to version 2.21.13	Version 2.22.10 and later
QNO-C8013R	Prior to version 2.21.13	Version 2.22.10 and later
QND-C8013R	Prior to version 2.21.13	Version 2.22.10 and later
QNV-C8023R	Prior to version 2.21.13	Version 2.22.10 and later
QNO-C8023R	Prior to version 2.21.13	Version 2.22.10 and later
QND-C8023R	Prior to version 2.21.13	Version 2.22.10 and later
TNV-C8014RM	Prior to version 2.21.13	Version 2.22.10 and later
TNV-C8034RM	Prior to version 2.21.13	Version 2.22.10 and later
QNF-C9010	Prior to version 2.21.13	Version 2.22.10 and later

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QNF-C9010V	Prior to version 2.21.13	Version 2.22.10 and later
XNB-6001	Prior to version 2.10.05	Version 2.10.06 and later
XNF-8010R	Prior to version 2.10.06	Version 2.10.07 and later
XNF-8010RV	Prior to version 2.10.06	Version 2.10.07 and later
XNF-8010RVM	Prior to version 2.10.06	Version 2.10.07 and later
XNF-8010RVMNB	Prior to version 2.10.06	Version 2.10.07 and later
XNF-8010RVW	Prior to version 2.10.06	Version 2.10.07 and later
XNF-8010RW	Prior to version 2.10.06	Version 2.10.07 and later
QNF-8010	Prior to version 2.10.02	Version 2.10.03 and later
TNV-7010RC	Prior to version 2.10.02	Version 2.10.03 and later
QNP-6320R	Prior to version 2.21.06	Version 2.21.07 and later
QNP-6250R	Prior to version 2.21.06	Version 2.21.07 and later
XNZ-L6320	Prior to version 2.10.02	Version 2.10.03 and later
XNZ-6320	Prior to version 2.10.02	Version 2.10.03 and later
XNO-6120	Prior to version 2.10.03	Version 2.10.04 and later
XND-6081REV	Prior to version 2.10.03	Version 2.10.04 and later
XNV-6081RE	Prior to version 2.10.03	Version 2.10.04 and later
XND-8081REV	Prior to version 2.10.03	Version 2.10.04 and later
XNV-8081RE	Prior to version 2.10.03	Version 2.10.04 and later
XNV-6012	Prior to version 2.10.02	Version 2.10.03 and later
XNV-6012M	Prior to version 2.10.02	Version 2.10.03 and later
XNV-6013M	Prior to version 2.10.02	Version 2.10.03 and later
XNV-6022R	Prior to version 2.10.02	Version 2.10.03 and later
XNV-6022RM	Prior to version 2.10.02	Version 2.10.03 and later
TNB-6030	Prior to version 2.10.02	Version 2.10.03 and later
KNB-2000	Prior to version 2.10.09	Version 2.23.01 and later
KNO-2080RN	Prior to version 2.10.09	Version 2.23.01 and later
XNB-6000	Prior to version 2.10.09	Version 2.23.01 and later
XNO-6080R	Prior to version 2.10.09	Version 2.23.01 and later
XNO-6080RS	Prior to version 2.10.09	Version 2.23.01 and later
KNO-2120RN	Prior to version 2.10.05	Version 2.23.01 and later
XNO-6120R	Prior to version 2.10.05	Version 2.23.01 and later
XNO-6120RS	Prior to version 2.10.05	Version 2.23.01 and later
XNV-6120	Prior to version 2.10.05	Version 2.23.01 and later
XNV-6120R	Prior to version 2.10.05	Version 2.23.01 and later
XNV-6120RS	Prior to version 2.10.05	Version 2.23.01 and later
XNP-6371RH	Prior to version 2.10.04	Version 2.23.01 and later
KND-2080RN	Prior to version 2.22.02	Version 2.23.01 and later
XND-6080	Prior to version 2.22.02	Version 2.23.01 and later

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XND-6080R	Prior to version 2.22.02	Version 2.23.01 and later
XND-6080RV	Prior to version 2.22.02	Version 2.23.01 and later
XND-6080RW	Prior to version 2.22.02	Version 2.23.01 and later
XND-6080V	Prior to version 2.22.02	Version 2.23.01 and later
XND-K6080N	Prior to version 2.22.02	Version 2.23.01 and later
XNV-6080	Prior to version 2.22.02	Version 2.23.01 and later
XNV-6080R	Prior to version 2.22.02	Version 2.23.01 and later
XNV-6080RS	Prior to version 2.22.02	Version 2.23.01 and later
XNV-6080RSA	Prior to version 2.22.02	Version 2.23.01 and later
XNV-6080RW	Prior to version 2.22.02	Version 2.23.01 and later
XND-6085	Prior to version 2.10.02	Version 2.23.01 and later
XND-6085V	Prior to version 2.10.02	Version 2.23.01 and later
XNV-6085	Prior to version 2.10.02	Version 2.23.01 and later
KND-2020RN	Prior to version 2.10.02	Version 2.23.01 and later
XND-6020R	Prior to version 2.10.02	Version 2.23.01 and later
XNV-6020R	Prior to version 2.10.02	Version 2.23.01 and later
KND-5020RN	Prior to version 2.10.03	Version 2.23.01 and later
XND-8020R	Prior to version 2.10.03	Version 2.23.01 and later
XND-8020RW	Prior to version 2.10.03	Version 2.23.01 and later
XND-8030R	Prior to version 2.10.03	Version 2.23.01 and later
XND-8040R	Prior to version 2.10.03	Version 2.23.01 and later
XNV-8020R	Prior to version 2.10.03	Version 2.23.01 and later
XNV-8020RMN	Prior to version 2.10.03	Version 2.23.01 and later
XNV-8020RMP	Prior to version 2.10.03	Version 2.23.01 and later
XNV-8030R	Prior to version 2.10.03	Version 2.23.01 and later
XNV-8040R	Prior to version 2.10.03	Version 2.23.01 and later
KND-5080RN	Prior to version 2.10.04	Version 2.23.01 and later
XND-8080R	Prior to version 2.10.04	Version 2.23.01 and later
XND-8080RV	Prior to version 2.10.04	Version 2.23.01 and later
XND-8080RW	Prior to version 2.10.04	Version 2.23.01 and later
XNV-8080R	Prior to version 2.10.04	Version 2.23.01 and later
XNV-8080RS	Prior to version 2.10.04	Version 2.23.01 and later
XNV-8080RSA	Prior to version 2.10.04	Version 2.23.01 and later
XNV-8080RW	Prior to version 2.10.04	Version 2.23.01 and later
KNO-5020RN	Prior to version 2.10.03	Version 2.23.01 and later
XNO-8020R	Prior to version 2.10.03	Version 2.23.01 and later
XNO-8030R	Prior to version 2.10.03	Version 2.23.01 and later
XNO-8040R	Prior to version 2.10.03	Version 2.23.01 and later
XND-6081F	Prior to version 2.10.03	Version 2.23.01 and later

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XND-6081RF	Prior to version 2.10.03	Version 2.23.01 and later
XND-6081RV	Prior to version 2.10.03	Version 2.23.01 and later
XNV-6081	Prior to version 2.10.03	Version 2.23.01 and later
XNV-6081R	Prior to version 2.10.03	Version 2.23.01 and later
XND-6081V	Prior to version 2.10.03	Version 2.23.01 and later
XND-8081RF	Prior to version 2.10.03	Version 2.23.01 and later
XND-8081RV	Prior to version 2.10.03	Version 2.23.01 and later
XNV-8081R	Prior to version 2.10.03	Version 2.23.01 and later
XNV-6011	Prior to version 2.10.02	Version 2.23.01 and later
XNV-6011W	Prior to version 2.10.02	Version 2.23.01 and later
KNO-2010RN	Prior to version 2.10.02	Version 2.23.01 and later
XNO-6010R	Prior to version 2.10.02	Version 2.23.01 and later
XNO-6020R	Prior to version 2.10.02	Version 2.23.01 and later
QNP-6230	Prior to version 2.10.02	Version 2.23.01 and later
QNP-6230H	Prior to version 2.10.02	Version 2.23.01 and later
XNP-6320	Prior to version 2.10.02	Version 2.23.01 and later
XNP-6320H	Prior to version 2.10.02	Version 2.23.01 and later
XNP-6320HS	Prior to version 2.10.02	Version 2.23.01 and later
XNP-6321	Prior to version 2.10.02	Version 2.23.01 and later
XNP-6321H	Prior to version 2.10.02	Version 2.23.01 and later
XNP-6040H	Prior to version 2.10.03	Version 2.23.01 and later
KNP-2120HN	Prior to version 2.10.03	Version 2.23.01 and later
XNP-6120H	Prior to version 2.10.03	Version 2.23.01 and later
KNP-2320RH	Prior to version 2.10.02	Version 2.23.01 and later
KNP-2320RHA	Prior to version 2.10.02	Version 2.23.01 and later
XNP-6250RH	Prior to version 2.10.02	Version 2.23.01 and later
XNP-6320RH	Prior to version 2.10.02	Version 2.23.01 and later
XND-6010	Prior to version 2.10.02	Version 2.23.01 and later
KND-2010	Prior to version 2.10.02	Version 2.23.01 and later
XNV-6010	Prior to version 2.10.02	Version 2.23.01 and later
XNB-6005	Prior to version 2.10.02	Version 2.23.01 and later
XNO-6085R	Prior to version 2.10.02	Version 2.23.01 and later
KNB-5000N	Prior to version 2.10.06	Version 2.23.01 and later
KNO-5080RN	Prior to version 2.10.06	Version 2.23.01 and later
XNB-8000	Prior to version 2.10.06	Version 2.23.01 and later
XNO-8080R	Prior to version 2.10.06	Version 2.23.01 and later
XNO-8080RW	Prior to version 2.10.06	Version 2.23.01 and later
XND-6011F	Prior to version 2.10.02	Version 2.23.01 and later
XND-8020F	Prior to version 2.10.02	Version 2.23.01 and later

XNZ-6320A	Prior to version 2.11.02	Version 2.23.01 and later
XNZ-L6320A	Prior to version 2.11.02	Version 2.23.01 and later
KNP-2550RHA	Prior to version 2.10.04	Version 2.23.01 and later
XNP-6550RH	Prior to version 2.10.04	Version 2.23.01 and later
XNO-L6120R	Prior to version 2.10.02	Version 2.23.01 and later
XND-6081FZ	Prior to version 2.10.02	Version 2.23.01 and later
XND-6081VZ	Prior to version 2.10.02	Version 2.23.01 and later
XNV-6081Z	Prior to version 2.10.02	Version 2.23.01 and later
XND-8081FZ	Prior to version 2.10.02	Version 2.23.01 and later
XND-8081VZ	Prior to version 2.10.02	Version 2.23.01 and later
XNV-8081Z	Prior to version 2.10.02	Version 2.23.01 and later
XND-L6020R	Prior to version 2.10.02	Version 2.23.01 and later
XNO-L6020R	Prior to version 2.10.02	Version 2.23.01 and later
XND-L6080R	Prior to version 2.10.02	Version 2.23.01 and later
XND-L6080RV	Prior to version 2.10.02	Version 2.23.01 and later
XND-L6080V	Prior to version 2.10.02	Version 2.23.01 and later
XNO-L6080R	Prior to version 2.10.02	Version 2.23.01 and later
XNV-L6080	Prior to version 2.10.02	Version 2.23.01 and later
XNV-L6080R	Prior to version 2.10.02	Version 2.23.01 and later
XND-L6080RVA	Prior to version 2.10.02	Version 2.23.01 and later
XND-L6080VA	Prior to version 2.10.02	Version 2.23.01 and later
XNO-L6080RA	Prior to version 2.10.02	Version 2.23.01 and later
XNV-L6080A	Prior to version 2.10.02	Version 2.23.01 and later
XNV-L6080RA	Prior to version 2.10.02	Version 2.23.01 and later
QNP-6320H	Prior to version 2.21.06	Version 2.23.01 and later
QNP-6320	Prior to version 2.21.06	Version 2.23.01 and later
QNP-6250H	Prior to version 2.21.06	Version 2.23.01 and later
QNP-6250	Prior to version 2.21.06	Version 2.23.01 and later
XNP-6341RH	Prior to version 2.10.03	Version 2.23.01 and later
PND-A6081RV	Prior to version 2.21.09	Version 2.23.01 and later
PNV-A6081R	Prior to version 2.21.09	Version 2.23.01 and later
PND-A9081RV	Prior to version 2.21.16	Version 2.23.01 and later
PNV-A9081R	Prior to version 2.21.16	Version 2.23.01 and later