

CYBERSECURITY ASSURANCE PROGRAM CERTIFICATE

Certificate

ULCAP_156

Issue date

2024-12-19

Expiration date

2025-12-19

Test Report Number

4791534017-004

This is to acknowledge that

Hanwha Vision Co Ltd

6, Pangyo-ro 319beon-gil, Bundang-gu
Seongnam-si, Gyeonggi-do, 13488
KR

has had

WN7 X-Core Camera

Model: XND-C9083RV, XND-C8083RV, XND-C7083RV, XND-C6083RV,
XNV-C9083R, XNV-C8083R, XNV-C7083R, XNV-C6083R, XNV-C6083
XNO-C9083R, XNO-C8083R, XNO-C7083R, XNO-C6083R
Software Version: 2.23.01

evaluated and meets the requirements of the standard

UL 2900-2-3: 2023

Standard for Software Cybersecurity for Network- Connectable Products,
Part 2-3: Particular Requirements for Security and Life Safety Signaling
Systems, First Edition, including revisions through September 21, 2023.

Security Level: Level 2

Program owner:

Dean Zwarts

Dean Zwarts, Senior Business Manager

This is to certify that representative sample(s) of the Product described herein have been investigated and as of the date of testing, found in compliance with the Standard(s) indicated on this Certificate. UL Solutions does not provide any representation or guarantee that all security vulnerabilities or weaknesses will be found or that the product will not be vulnerable, susceptible to exploitation, or eventually breached. The designated Certificate Holder is entitled to market the Product in accordance with the Service Agreement and Cybersecurity Assurance Program Service Terms. This Certificate shall remain valid until the indicated Expiration Date unless terminated earlier in accordance with the Service Agreement or if the referenced Standard is amended or withdrawn. This Certificate in and of itself does not authorize the Certificate Holder to use any UL Solutions trademarks on the Certified Product. UL Solutions trademarks may only be used if the Certified Product is also covered under the applicable UL Solutions mark program(s).



Conditions of Certificate

The following conditions must be met for the product to continue to be in compliance with this certificate:

1. This certificate covers the following firmware versions:
 - 2.23.01_20240911_R561
 - 2.23.01_20240911_R575
2. This certificate covers the following devices:
 - Hanwha WN7 X-Core Camera models:

XND-C9083RV, XND-C9083RV, XND-C9083RV,
XND-C8083RV, XND-C8083RV, XND-C8083RV,
XND-C7083RV, XND-C7083RV, XND-C7083RV,
XND-C6083RV, XND-C6083RV, XND-C6083RV,
3. The IP cameras must be configured to the guidelines and specifications of the following documents:
 - Manuals_XND-C9083RV,XND-C8083RV,XND-C7083RV,XND-C6083RV_241015_Final.pdf
 - Manuals_XNO-C9083R,XNO-C8083R,XNO-C7083R,XNO-C6083R_241015_Final.pdf
 - Manuals_XNV-C9083R,XNV-C8083R,XNV-C7083R,XNV-C6083R_241015_Final.pdf
 - Manuals_XNV-C6083_241015_Final.pdf
 - 14_(IPCamera)Network_Hardening_Guide_En_20230418.docx (Protective Security Level)
 - 17_ULCAP_HTW_SW security verification process_01_BB31-0015K_EN.docx
 - 21_ULCAP_HTW_SW Update & Patch Policy_V1.2_EN.docx
4. The following list contains protocols and/or services that have been assessed for this evaluation:
 - HTTP/HTTPS/TLS
 - RTP/RTCP/RTSP
 - UPnP
 - SUNAPI
 - ONVIF
 - DNS
 - ARP
 - DHCP
 - LLDP
 - ICMP
 - IGMP

- MQTT
 - SFTP
5. Source Code Analysis was conducted on the following software revisions:
- XND-C7083RV_2.23.01_20240911_R561.img
 - XND-C9083RV_2.23.01_20240911_R575.img
6. It is the responsibility of the end product owner to terminate authenticated web sessions by closing their browser.
7. All implementations of the protocols and/or services which are out-of-scope will have to be evaluated by the end product owner.
8. The following configurations must be observed.
- It is the responsibility of the end user to configure the recommended cybersecurity best practices to meet their security needs.
 - It is the responsibility of the end user to regularly update the WN7 X-Core IP camera per Hanwha's recommendations, for the latest security patches of the OS and 3rd party libraries.