



FARADAY V3.100.0000000.12.R.230111

Release Notes



Legal Information

Copyright

© 2023 ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD. All rights reserved.

This document cannot be copied, transferred, distributed, or saved in any form without the prior written permission of Zhejiang Dahua Vision Technology Co., LTD (hereinafter referred to as "Dahua").

The products described in this document may contain the software that belongs to Dahua or the third party. Without the prior written approval of the corresponding party, any person cannot (including but not limited to) copy, distribute, amend, abstract, reverse compile, decode, reverse engineer, rent, transfer, sublicense the software.

Trademarks

The image shows four variations of the Dahua logo (two with the word "TECHNOLOGY" below) and the HDCVI logo, followed by the text "are the trademarks or registered trademarks of Dahua." data-bbox="160 391 913 442"/>

dahua, **dahua**, **dahua**, **dahua**, and **HDCVI** are the trademarks or registered trademarks of Dahua.

All other company names and trademarks mentioned herein are the properties of their respective owners.

Disclaimer

- These release notes are for reference only. Slight differences might be found between the release notes and the product.
- Succeeding products and release notes are subject to change without notice.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Table of Contents

| | |
|--------------------------------|----------|
| Legal Information | I |
| Release Notes | 1 |
| 1.1 Overview | 1 |
| 1.2 New Features | 1 |
| 1.3 Fixed Bugs..... | 5 |
| 1.4 Compatibility..... | 5 |
| 1.4.1 Program..... | 5 |
| 1.4.2 Browser | 5 |
| 1.4.3 Third Party Access..... | 5 |
| 1.5 Software Environment | 5 |
| 1.6 Pending Issues..... | 6 |
| 1.7 Update Guide | 6 |


Release Notes

1.1 Overview


| Item | Description |
|------------------------------|--|
| Product model | Faraday platform series |
| Version | V3.100.0000000.12.R.230111 |
| Software package information | DH_IPC-HX7XXX-HW-Faraday_MultiLang_NP_V3.100.0000000.12.R.230111.zip DH_IPC-HX7XXX-HW-Faraday_MultiLang_PN_V3.100.0000000.12.R.230111.zip |
| OS requirement | None |
| Release date | January 30, 2023 |

1.2 New Features

| Feature | Description |
|---------------------------------|---|
| Baseline security 2.3 | Supports baseline security 2.3. |
| Intelligent Function Overview | |
| Only supports 1 channel | <ul style="list-style-type: none"> ● Supports the following intelligent functions: <ul style="list-style-type: none"> ◇ Face detection ◇ Face recognition ◇ IVS ◇ Video metadata ◇ ANPR ◇ Intelligent parking ◇ People counting ◇ PPE detection ● Enable different functions at the same time <ul style="list-style-type: none"> ◇ Face detection and face recognition can be enabled at the same time. ◇ Face recognition and people counting can be enabled at the same time. ◇ PPE detection and IVS can be enabled at the same time. |
| Available Intelligent Functions | |
| Face detection | <ul style="list-style-type: none"> ● Face detection ● Non-living filtering ● Target box overlay ● Face image deduplication ● Face beautifying (AI noise reduction) ● Face cutout supports one-inch photos and custom photos. |
| Face recognition | <ul style="list-style-type: none"> ● Face recognition |

| | |
|-----------------------|---|
| | <ul style="list-style-type: none"> ● Non-living filtering ● Face image deduplication ● Configure event reporting and linkage emails independently according to the database. ● Target box overlay ● Face beautifying (AI noise reduction) ● Face cutout supports one-inch photos and custom photos. |
| <p>IVS</p> | <p>Supports following 8 detection rules:</p> <ul style="list-style-type: none"> ● Tripwire ● Intrusion ● Abandoned object ● Fast moving ● Parking detection ● Crowd gathering ● Missing object ● Loitering detection  <p>Supports detecting people and motor vehicles.</p> |
| <p>Video metadata</p> | <ul style="list-style-type: none"> ● Supports people detection, motor and non-motor vehicle detection. ● Supports face image deduplication (all target face images). ● Face cutout supports one-inch photos and upper body photos. ● Overlay target box of people faces, bodies, and motor and non-motor vehicles. ● Track overlay: Overlay target track of people, and motor and non-motor vehicles on the snapshot. ● Face beautifying (AI noise reduction) ● Search for daily, weekly, monthly, and yearly reports. ● Supports tripwire counting: <ul style="list-style-type: none"> ◇ Added tripwire counting on the global configuration page. You can select the appropriate tripwire direction for data counting according to the actual scene. ◇ After tripwire counting is enabled, people detection, non-motor vehicle detection and motor vehicle detection are all switched to tripwire capture mode. ◇ After tripwire counting is disabled, video metadata configuration will restore to general settings. ● Non-motor vehicles are classified to motorcycles and bicycles. |
| <p>ANPR</p> | <ul style="list-style-type: none"> ● License plate recognition and attribute reporting (draw rules for up to 4 lanes). ● Allowlist and blacklist arming of license plate ● Import and export license plate allowlist and blacklist one by one or in batches (the language of exported file is the |

| | |
|---------------------------------|---|
| | <p>same as the system language, and 23 languages are available).</p> <ul style="list-style-type: none"> ● Search for license plates in SD card. |
| Intelligent parking | <ul style="list-style-type: none"> ● Displays statistics of available spaces. ● Two counting types: Open and planned. ◇ Open: When there is a vehicle parked in the parking space, a red dot is overlaid on the vehicle body. No dot when there is no vehicle in the parking space. ◇ Planned: When there is a vehicle parked in the parking space, a red dot is overlaid on the vehicle body. A green dot is overlaid on the parking space when there is no vehicle. ● Pushes the total number of parking spaces and available spaces to storage devices on schedule. ● Pushes the total number of parking spaces and available spaces to storage devices once the parking space statistics is changed. ● Supports algorithms in Europe, Middle East, Australia, South Africa, Brazil, and other regions. |
| People counting | <ul style="list-style-type: none"> ● View the number of people entering or exiting the area. ● View the number of people in the area. ● Queue management ● Search for reports. |
| PPE detection | <ul style="list-style-type: none"> ● Supports detecting 9 attributes, including workwear, hat, face mask, apron, gloves, shoe covers, boots, seatbelt, and safety vest. ● The 9 attributes can be enabled at the same time. |
| Available General Functions | |
| Auto uploading of image reports | Supports auto uploading of events, images, and reports to a specific address through HTTP, FTP, and emails. |
| Lens distortion correction | <p>This function is available for 2715 lens except box cameras.</p> <ul style="list-style-type: none"> ● Adjust the correction strength. ● Remote zoom-in. ● Horizontal/vertical zoom-out. ● Adjust horizontal/vertical center offset. |
| Sound management | <p>This function is only available for dome cameras.</p> <ul style="list-style-type: none"> ● Filters non-human voices. ● Supports omnidirectional pickup and directional pickup. |
| Privacy protection | <ul style="list-style-type: none"> ● Only 4-MP and 8-MP cameras support privacy protection. 12-MP cameras do not the function. ● The following 6 intelligent functions all support privacy protection: <ul style="list-style-type: none"> ◇ Video metadata ◇ People counting ◇ IVS ◇ Face detection |

| | |
|-----------------------------|---|
| | <ul style="list-style-type: none"> ◇ Face recognition ◇ PPE detection  When 2 different intelligent functions are enable at the same time, privacy protection cannot be enabled. ● When privacy protection of an intelligent function has been enabled, you cannot enable other intelligent functions. ● When you disable an intelligent function, privacy protection of this function will also be disabled. ● Privacy protection is not supported in the counting mode of face recognition. |
| High frame rate | <ul style="list-style-type: none"> ● 4-MP and 8-MP cameras: ◇ PAL standard supports up to 50 frames. ◇ NTSC standard supports up to 60 frames. ● 12-MP cameras do not support high frame rate. |
| Mutually exclusive relation | <ul style="list-style-type: none"> ● 4-MP cameras: ◇ WDR and high frame rate are mutually exclusive, and cannot be enabled at the same time. There is no exclusive prompt. ◇ High frame rate and privacy protection are mutually exclusive, and cannot be enabled at the same time. There is an exclusive prompt. ◇ Privacy protection and sub stream 4 are mutually exclusive, and cannot be enabled at the same time. There is an exclusive prompt. Privacy protection can be enabled at the same time with main stream, sub stream 1, sub stream 2, and sub stream 3. ◇ High frame rate and video metadata (time-division exposure) are mutually exclusive, and cannot be enabled at the same time. There is no exclusive prompt. ● 8-MP cameras: ◇ WDR and high frame rate are mutually exclusive, and cannot be enabled at the same time. There is no exclusive prompt. ◇ High frame rate and privacy protection are mutually exclusive, and cannot be enabled at the same time. There is an exclusive prompt. ◇ High frame rate is exclusive with sub stream 2 and sub stream 3, and they cannot be enabled at the same time. There is an exclusive prompt. High frame rate can be enabled at the same time with main stream and sub stream 1. ◇ Privacy protection is exclusive with sub stream 2 and sub stream 3, and they cannot be enabled at the same time. There is an exclusive prompt. Privacy protection can be enabled at the same time with main stream and sub stream 1. |

1.3 Fixed Bugs

None

1.4 Compatibility

1.4.1 Program

None

1.4.2 Browser

- WIN7 + Chrome 100
- WIN7 + Firefox92
- WIN7 + IE9/IE10/IE11

1.4.3 Third Party Access

- CGI testing tool version: V2.91.2.3
- ONVIF testing tool version: V21.12
- ONVIF: Supports ProfileG, T, S
- MILESTONE 2022R3

1.5 Software Environment

| Platform | Model | Version |
|----------|------------|--|
| SDK | Net SDK | General_NetSDK_Eng_Win32_IS_V3.055.0000001.0.R.211101.7z General_NetSDK_Eng_Win64_IS_V3.055.0000001.0.R.211101.7z |
| | PlaySDK | General_PlaySDK_Eng_Windows32_IS_V3.044.0000002.1.R.210907.zip General_PlaySDK_Eng_Windows64_IS_V3.044.0000002.1.R.210907.zip |
| NVR | NVR5X-I/L | DH_NVR5XXX-IL_MultiLang_V4.002.0000000.3.R.220727.zip |
| | NVR5-EI | DH_NVR5XXX-EI_MultiLang_V4.000.0000000.0.R.221215.zip |
| EVS | EVS71 | DH_EVS71XX_Eng_V5.000.0000000.0.R.221128.zip |
| IVSS | IVSS7XX | DH_IVSS70XX-M_Eng_V3.001.0000000.0.R.221129.zip |
| Tools | Player | General_SmartPlayer-Win32_Eng_IS_V4.001.0000003.0.R.220225.zip |
| | ConfigTool | General_ConfigTool_ChnEng_V5.001.0000001.0.R.20220728.zip |

| | | |
|------|---------|---|
| DSS | DSS Pro | General_DSS-Professional_Win64_IS_V8.002.0000000.0.R.20221201.exe |
| DMSS | DMSS | Download the latest version. |

1.6 Pending Issues

None.

1.7 Update Guide

- Do not disconnect the network, reboot or turn off the camera during update.
- When updating with the false file, you need to reboot the device, otherwise some functions might be disabled.