



Intelligent Video Surveillance System V3.002.0000000.0

Release Notes



Legal Information

Trademarks

The image shows four variations of the Dahua logo (two with "TECHNOLOGY" and two without) followed by the "HDCVI" logo. The logos are arranged horizontally and separated by commas. The text "and" is placed between the fourth logo and the "HDCVI" logo.

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- 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.

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Release Notes

1.1 Overview

Item	Description
Product name	Intelligent Video Surveillance System (IVSS)
Version	V3.002.0000000.0
Software package information	DH_IVSS70XX-M_MultiLang_V3.002.0000000.0.R.230727
OS requirement	None
Release date	July 28, 2023

1.2 New Features

Display tripwire statistics of video metadata by direction, remove duplicate faces for face comparison based on sample database, and import and export license plate databases.

Feature	Description
Add tripwire rules and statistics report for video metadata	<p>Count target traffic flow for video metadata and search in the report. The following configuration need to be enabled.</p> <ol style="list-style-type: none"> 1. Enable Direction Statistics in Global Config, draw the rule and configure the direction. 2. Enable flow statistics in the rules for human body, motor vehicle and non-motor vehicle. <p>You can set the region to which the license plates belong, so as to perform global configuration.</p>
MP4 format is supported for AI analysis task	Video files in MP4 format can be imported as the source videos for video metadata AI analysis.
Remove duplicate faces for face comparison based on sample database	Remove duplicate faces for event report by interval or duration. During the deduplication, you can configure whether you want to report the events.
Import and export plate databases	License plate databases can be imported and exported in batches through Excel files.
Improve AI search	<ol style="list-style-type: none"> 1. Add sorting methods: Sort in reverse order by similarity (supports searching for faces and human bodies), in positive order by time, and in reverse order by time. 2. Playing videos continuously is supported for the intelligent panel. 3. Attribute details are displayed when playing video on the intelligent panel.

Feature	Description
Add linkage item: Alarm Window Pop Up	Enable and configure Alarm Window Pop Up, and when the alarm is triggered, the live view window will pop up.
The direction of mouse roaming can be configured	Set the mouse roaming as horizontal or vertical, which is suitable for scenarios where multiple monitors are arranged in one row or one column respectively.
Add recording types	1. Add intelligent recording types to general video playback, including face detection, video metadata, IVS, people counting and more. Prerequisite: Set recording type as event, and configure recording linkage. 2. Move SMD function in AI Search to general playback as SMD recording type.
High Toss	After connecting to cameras that support high toss, you can search for images and videos in AI Search.
Smart sound detection	After connecting to cameras that support smart sound detection, you can receive sound detection events and search for event history.
Holiday	Holiday settings are supported. You can configure holidays by date or week.

1.3 Fixed Bugs

None.


1.4 New Feature Details

1.4.1 Tripwire Rules and Statistics Report for Video Metadata

1.4.1.1 Enabling Tripwire Counting in Global Config

Procedure

Step 1 Log in to the PC client.

Step 2 Click  on the upper-right corner, and then click **Event**.

You can also click **Event** from the configuration list on the home page.

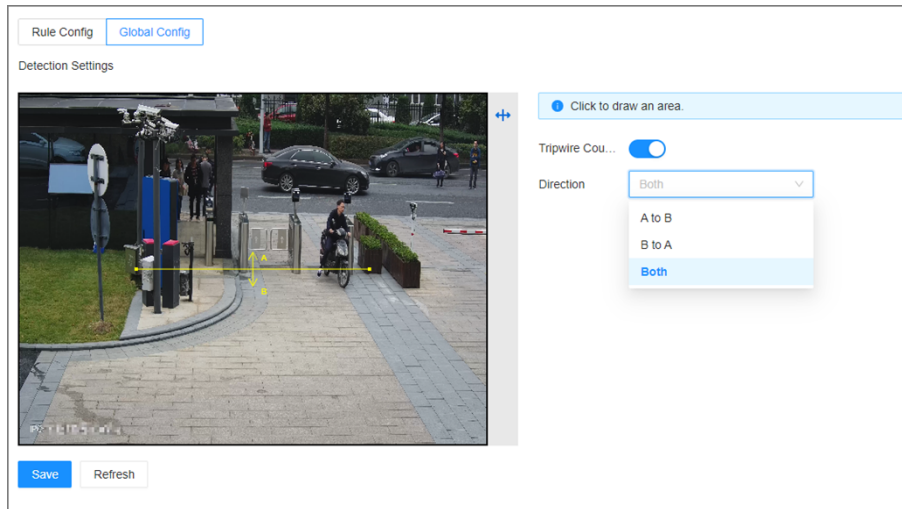
Step 3 Select a remote device on the device tree, and then select **Smart Plan > Video Metadata**.

Step 4 Select **AI by Recorder** tab, and then select **Global Config**.

Step 5 Click next to **Direction Statistics** to enable this function.

Step 6 Select the detection from the drop-down list.

Step 7 Click **Save**.



1.4.1.2 Enabling Video Metadata and Flow Statistics

AI by Recorder AI Attributes

Rule Config Global Config

Enable

Add Rule Extract Eigen... Enable

Name	On	Face	Alarm Type	Operation
People Detection	On <input checked="" type="checkbox"/>	Face <input checked="" type="checkbox"/>	All	
Motor Vehicle Detection	On <input checked="" type="checkbox"/>		All	
Non-motor Vehicle Detection	On <input checked="" type="checkbox"/>	Face <input checked="" type="checkbox"/>	All	

Detection Settings

Click to draw an area.

Traffic Flow S...

Plate Area Thailand

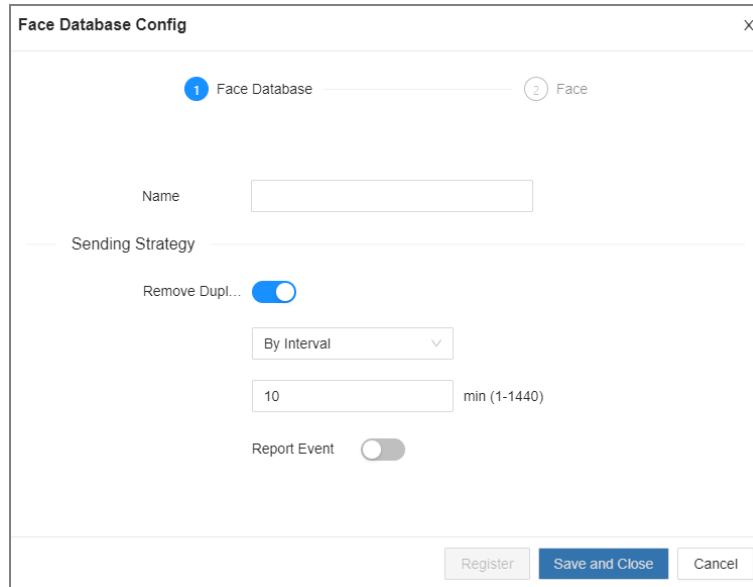
This configuration is for the devices. It will take effect after the system restarts.

- People detection: Support face detection and people flow statistics.
- Motor vehicle detection: Support traffic flow statistics and plate area selection.
- Non-motor vehicle detection: Support traffic flow statistics.

Note: License plate area setting is a global configuration of the whole device.

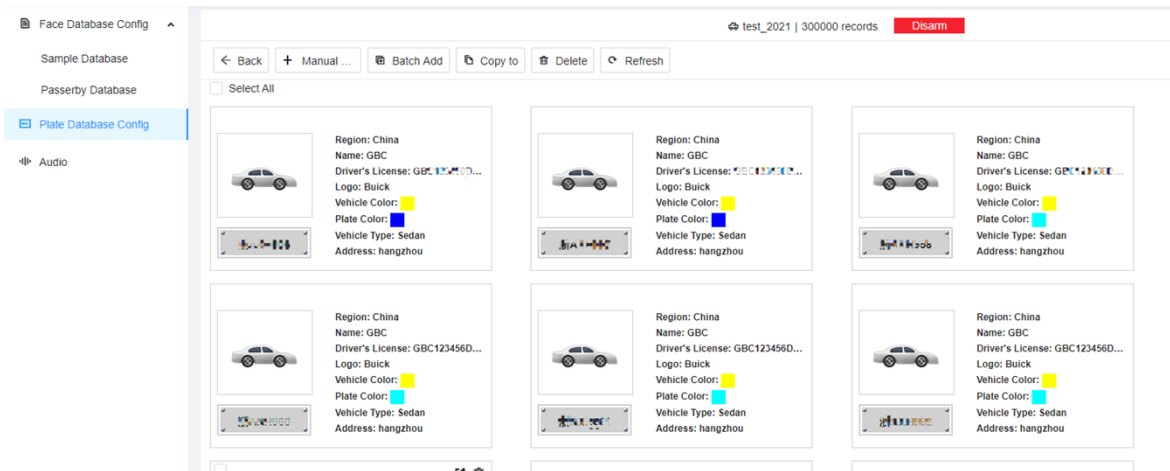
1.4.2 Removing Duplicate Faces for Face Comparison Based on Sample Database

Remove duplicate faces for event report by interval or duration. During the deduplication, you can configure whether you want to report the events.

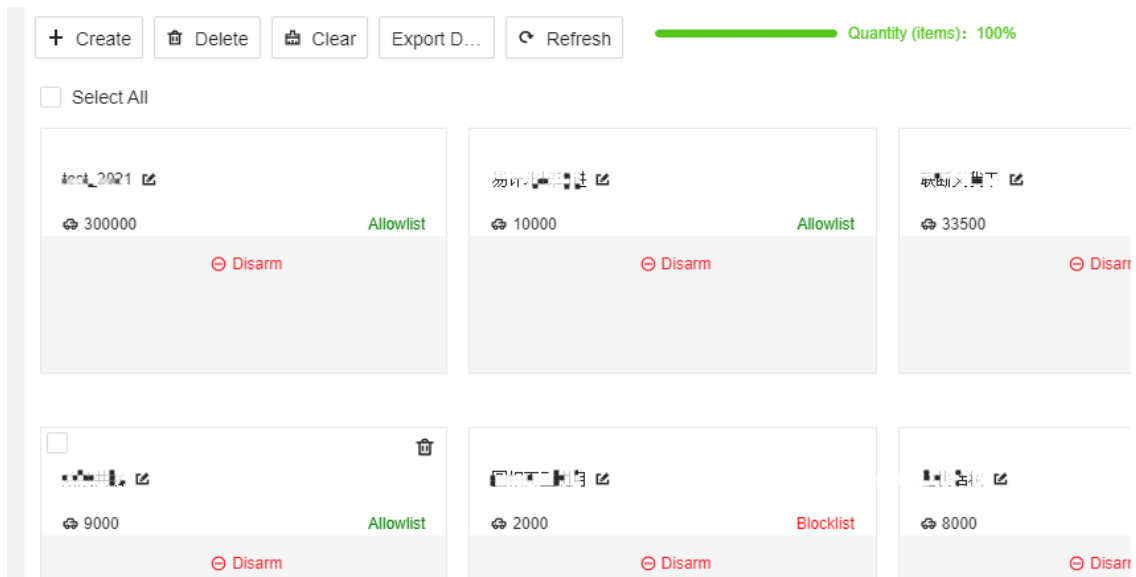


1.4.3 Importing and Exporting Plate Databases

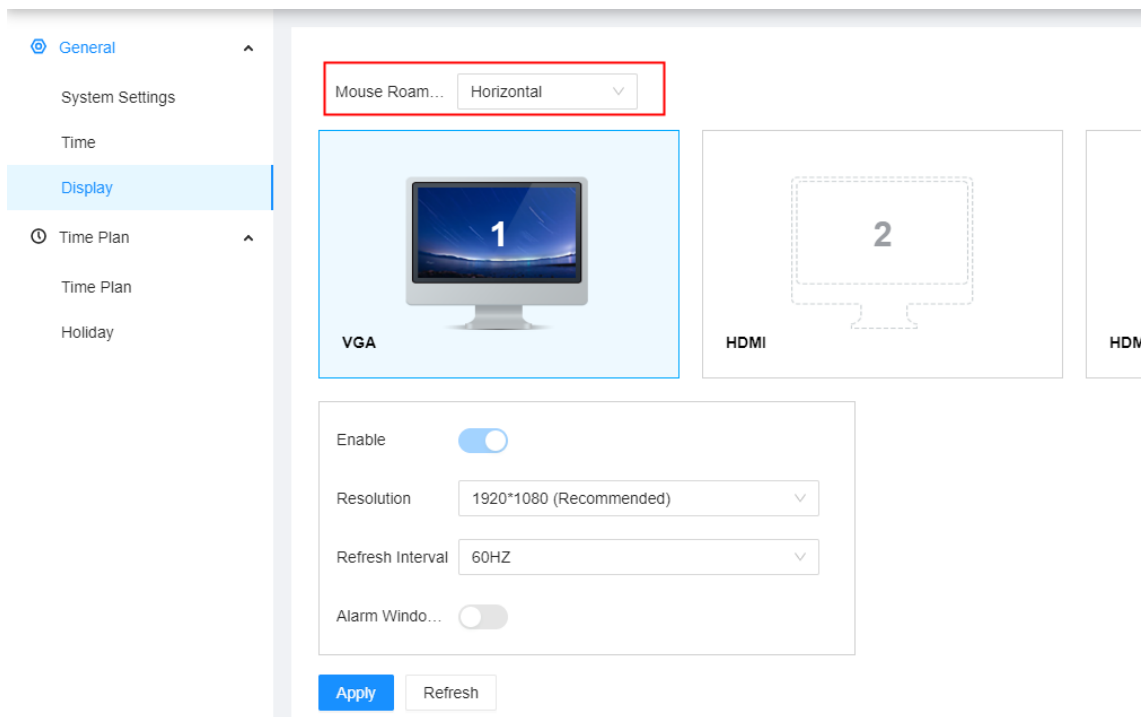
1.4.3.1 Importing in Batches



1.4.3.2 Exporting Databases One by One or in Batches

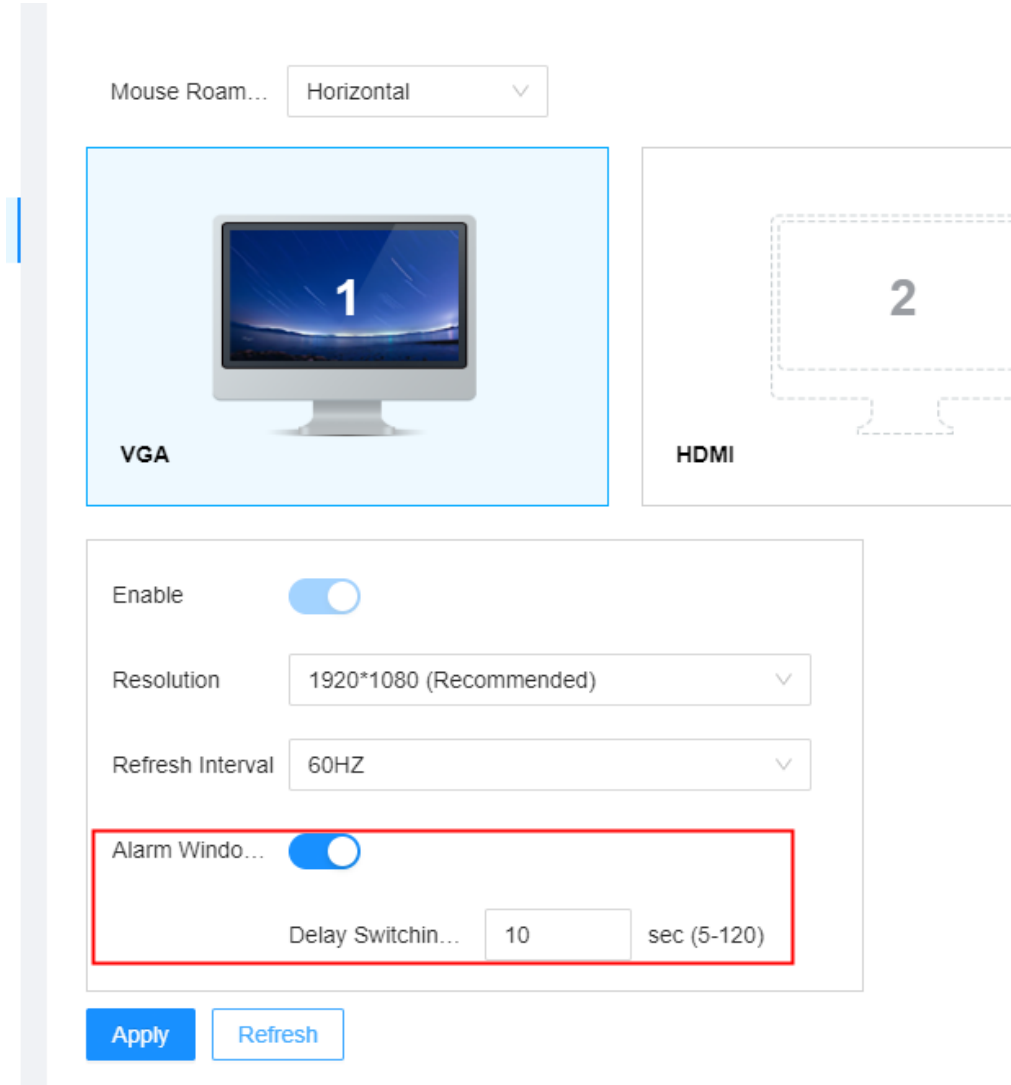


1.4.4 Direction of Mouse Roaming

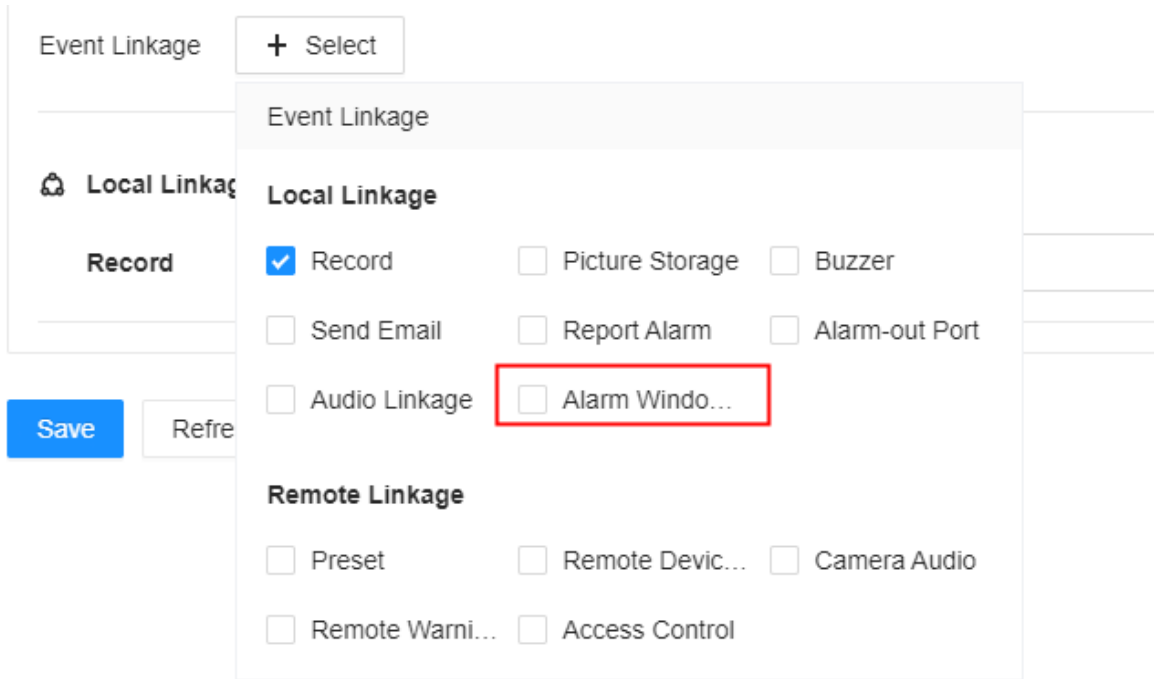


1.4.5 Alarm Window Pop Up

1.4.5.1 Enabling Alarm Window Pop Up and Setting Delay Time

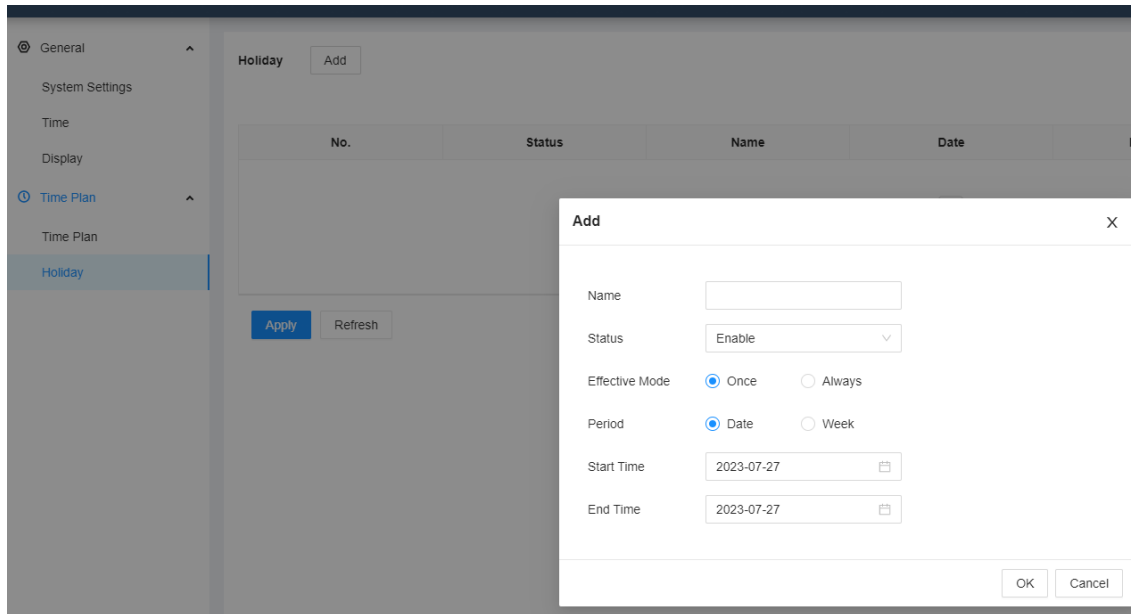


1.4.5.2 Configuring Alarm Window Pop Up for Live View Window to Display When Linkage Event Occurs



1.4.6 Holiday Settings

You can configure holiday settings by date or week.



1.5 Compatibility

This version is V3.002.0000000.0.R, which is compatible with V3.001.0000000.0.R. or earlier versions.

1.6 Browser

None.

1.7 Software Environment

Model	Version
1.0.01.04.33908DH-I PC-EW5541N-AS	2.6.01.05.70961 DH_IPC-EX5XXX-Leo_MultiLang_NP_Stream3_V2.800.00000 00.42.R.230610.zip
1.0.01.04.39906IPC- HFW3549T1P-AS-PV -0360B-S4	General_IPC-HX3XXX-Taurus_MultiLang_PN_Stream3_V3.120.0000 000.34.R.230715.zip
1.0.01.04.29829(隐 私保护、结构化、人 联比对) DH-IPC-HFW7442H N-Z-2712F-DC12AC 24V 1.0.01.04.40694 DH-IPC-HFW7842HP -Z-2712F-DC12AC24 V-X	DH_IPC-HX8XXX-Nobel_MultiLang_NP_V3.000.0000000.2.R.210712 .zip DH_IPC-HX7XXX-HW-Faraday_MultiLang_PN_V3.120.0000000.18.R .230702.zip
1.0.01.04.38364 DH-IPC-HFW3541EP -AS-0360B-S2	DH_IPC-HX3XXX-Taurus_MultiLang_PN_Stream3_V3.120.0000000. 34.R.230715.zip
1.0.01.04.34508 1.0.01.04.38934 DH-PSDW82442M-A 270-D440 DH-PSDW81642M-A 360-D440-S3	DH_IPC-PSDW824XL-Fafnir_MultiLang_PN_Stream3_V2.800.00000 00.5.R.210708.zip DH_IPC-PSDW8XXX-Plato-Darwin_MultiLang_PN_Stream3_V3.000. 0000000.9.R.230422.zip
1.0.01.04.36132 1.0.01.04.39609 DH-IPC-HFW8442P- Z4-D87-LI-0832	DH_IPC-MFW8XXX-Fafnir_MultiLang_PN_Stream3_V3.000.0000000. 6.R.210708.zip DH_IPC-MFW8XXX-Faraday_MultiLang_NP_Stream3_V3.100.00000 00.5.R.221102.zip

Model	Version
1.0.01.04.37894 DH-IPC-HDW8441X P-3D-0200B	DH_IPC-HX7(8)XXX-EMMC-Taurus_MultiLang_PN_Stream3_V3.120. 0000000.23.R.230427.zip
1.0.01.07.14446DH- SD5A225GB-HNR	2.6.01.05.52096 DH_SD-Taurus_MultiLang_NP_Stream3-Normal_V2.820.0000006.0. R.220325.zip
1.0.01.07.13830DH- SD8A840-HNF-PA	2.6.01.05.41870 Darwin_MultiLang_PN_Stream3_V2.820.0000002.0.R.210811.zip
DHI-TPC-BF1241	DH_TPC-DF1241-TB-S2_MultiLang_NP_V2.650.0000000.6.R. 220817.zip
DHI_ITC215_PW6M _IR_LZF	2.6.01.08.05976 General_ITC215-PW6M-XXX_Eng_PN_Oversea_ITCPUSH_Eu rope_V2.623.0000000.0.R.200521.zip
DMSS	V1.99.200
DSS PRO	2.7.01.02.03394 General_DSS-Professional_Win64_IS_V8.001.0000001.0.R.20 220727.exe

1.8 Pending Issues

None.

1.9 Update Guide

The product supports update by configtool/PC client/USB flash disk. Do not power off during the update. All intelligent transactions will be suspended during the update. For specific operation procedures, please refer to the Intelligent Video Surveillance System Update Guide.

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