# **Molec Platform**

**Release Notes** 

## **Table of Contents**

1 Relea	ase Notes1	l
1.1	V2.820.000000.601	I
1.2	Software Environment	2
2 Upda	ate Guide1	i
2.1	Introduction1	i
2.2	Preparation1	i
2.3	Instructions1	i
	2.3.1 Updating by ConfigTool1	I
	2.3.2 Updating through the Webpage	3
	2.3.3 Cloud Update through the Webpage4	ł
	2.3.4 Cloud Update through DMSS	ł
2.4	Checking for Update Success	5
	2.4.1 Checking the Result of Update by ConfigTool	5
	2.4.2 Checking the Result of Update through the Webpage	5
	2.4.3 Checking the Result of Update through DMSS	5

## 1 Release Notes

### 1.1 V2.820.000000.60

#### **Release Date**

October 21, 2023

#### **New Features**

- Supports standard UTC.
- Supports redirecting to the device webpage without entering password from the webpage of compatible products such as NVR, IVSS, and DSS.
- Supports update through URL.
- Supports ONVIF 22.12.
- Add RTC for series 1 devices supporting SD cards.
- Add the switch for LLDP on DoLynk Care for cloud operation and maintenance.

#### **Optimized Features**

• Optimize image effects.

#### **Fixed Bugs**

- Updated the description in the Software License Agreement.
- Fixed the issue that motion detection events were not reported when the camera was connected to the third-party platform through ONVIF.
- Fixed the issue that when the camera videos were played by VLC through RTSP, the displayed frame rate was a half of the actual one.
- Fixed the issue that the channel name was not displayed correctly when the user received the events pushed to their Android mobile phone and tapped the message to watch the video without logging in with their account.
- Fixed the issue that the time was restored to 2000 after the user synchronized the time through NTP.
- Fixed the issue that the device restarted continuously when it was connected to PaaS, which was caused by too long serial number.
- Fixed the issue that the actual bit rate exceeded the configured one when CBR was used.

#### **Third-party Access**

- CGI testing tool: V2.91.3.3.
- ONVIF testing tool: V22.12.
- ONVIF: Supports Profile S, Profile G and Profile T.

## **1.2 Software Environment**

Category	Model	Version		
	NVR1104HS-S3/H	DH_NVR1XXX- S3H_MultiLang_V4.001.000000 5.1.R.210709.zip		
NVR	NVR2104-P-4KS2	DH_NVR2XXX- I2_Mul_V4.002.0000000.0.R. 210709.zip		
	NVR4216-16P-4KS2/L	DH_NVR4x-4KS2L_MultiLang_V 4.001.0000001.0.R.210709.zip		
	DHI-NVR5416-4KS2	DH_NVR5XXX-4KS2_MultiLang _V4.002.0000000.6.R. 221115.zip		
Client	DMSS	Android: 1.99.302 iOS: 1.99.400		
Tool	SmartPlayer	General_SmartPlayer- Win32_Eng_IS_V4.001.0000003 .0.R.220225.zip		
	ConfigTool	General_ConfigTool_ChnEng_ V5.000.0000001.7.R. 20210227.zip		
Platform	DSS Pro	General_DSS- Professional_Win64_IS_V8.002. 0000000.0.R.20221210.exe		
	DSS Express	General_DSS- Express_Win64_IS_V8.002.0000 000.0.R.20221210.exe		

## 2 Update Guide

## 2.1 Introduction

This document provides multiple update methods for the IPCs. Users can update the IPCs to the latest version according to the update guide. The update methods include updating by ConfigTool and DMSS app, through local update package, and cloud update on the webpage.

## 2.2 Preparation

Before the update, please ensure that the following conditions are met.

- Update by ConfigTool: The device can work normally; the computer is installed with ConfigTool; the device is on the same network as the computer; the update package is ready.
- Update by local package: The device can work normally; the device is on the same network as the computer that is used to log in to the webpage; the update package is ready.
- Cloud update on the webpage: The device can work normally and is connected to Internet; the device is on the same network as the computer that is used to log in to the webpage.
- Update by DMSS app: The device can work normally; the mobile phone is installed with DMSS app; the device is added to DMSS app.

 $\square$ 

- Check whether the device model and program version are correct before the update.
- Decompress the compressed program package when updating by the ConfigTool and through the local package.
- In addition to the main package, there is the algorithm package (firmware.bin). When updating
  the system by ConfigTool and local package, update the main package first, restart the device,
  and then update the algorithm package. If you select cloud update, the algorithm package will
  be automatically updated.
- In addition to the main package, there is the FPGA program package. Update the main package first, and then update the FPGA program package after restarting the device.

## 2.3 Instructions

## 2.3.1 Updating by ConfigTool

#### 2.3.1.1 Updating One by One

Use this update method when you need to update a single device.

#### Procedure

- <u>Step 1</u> Open ConfigTool, and then select **Device Upgrade**.
- <u>Step 2</u> Click **Search Setting** to set the search conditions.



Figure 2-1 Set search condition

<u>Step 3</u> Select **Current Segment Search**, change the password to the IPC password, and then click **OK**.

Figure 2-2 View search result

2	Configtool		1	Dev	rice(s) four	nd	9				Search Setting	₹	-	×
	Modify IP	в	atch U	pgra	de						Search		٩	
	Device Upgrade		NO	1	Model	IP : P	ort		Version	Upgrade File Path	Operate			
	Online Upgrade		1		IPC-HFW55	i 192.1	68.1.108:37777	·	3.100.0000000.5.R		(t)			
	Device Config													
	System Settings													
	Password Reset													
	Building Config													
	CGI Protocol													
					a selecte	d 0 devi	ce(s)						•	~

- <u>Step 4</u> Click cli
- <u>Step 5</u> Click 1 to start to update the system.

The device automatically restarts after the update is complete.

 $\square$ 

If the system update fails, check the prompt on the ConfigTool to see the reason.

#### 2.3.1.2 Updating in Batches

Use this method when you need to update multiple devices to the same software version.

#### Procedure

<u>Step 1</u> Open ConfigTool, and then select **Device Upgrade**.

- <u>Step 2</u> Click **Search Setting** to set the search conditions.
- <u>Step 3</u> Select **Current Segment Search**, change the password to the IPC password, and then click **OK**.

Ņ	Configtool		5 D	evice(s) found	9			Search Setting	₹ -	×
P	Modify IP	Ba	itch Upg	rade				Search	٩	
Ð	Device Upgrade		NO.	Model	IP : Port	Version	Upgrade File Path	Operate		
ፁ	Online Upgrade		1	IPC	6:37777	2.840.0000000.3.R		(Ť		
			2	IPC-7	4:37777	3.120.0000000.1		(1)		
0	Device Config		3	IPC I	1:37777	3.140.0000000.1		(†		
			4	IPC	7:37777	2.800.000000.4		(†		
ø	System Settings		5	IPC	2:37777	2.840.000000.2		(†		
⋳	Password Reset									
п	Building Config									
88	CGI Protocol									
		۲	'ou ha	ve selected 3	device(s)				0 ii	

Figure 2-3 View search result

<u>Step 4</u> Select the device to be updated, and then click **Batch Upgrade**.

<u>Step 5</u> Click **Browse** to select the update package.

Figure 2-4 Select update package

Batch Upgrade		×
Upgrade File Path:	Browse	
Selected number of devices: 3		ОК

<u>Step 6</u> Click **OK** to start to update the system.

The device automatically restarts after the update is complete.

If the system update fails, check the prompt on the ConfigTool to see the reason.

### 2.3.2 Updating through the Webpage

#### Procedure

Stop 2	Salact Sattings > System > Undate to antar the system undate page
<u>JICP Z</u>	select settings > system > opuate to enter the system upuate page.

Figure 2-5 System update

Network				
Event	- File Upgrade			7
Storage	Select Firmware File		Browse	Upgrade
System			<u> </u>	
> General				
> Account	Opline Upgrade			
> Safety	Online Opgrade			
> Default	Auto-check for undates	Save		
> Import/Export	Pustern Version	2 860 0000000 1 P. Puild Date: 2022 09 15		Manual Chask
> Manager	System version	2.800.0000000.1.R, Build Date: 2022-08-15		Manual Check
> Uporade				

<u>Step 3</u> Click **Browse**, select the update file, and then click **Update**.

Do not cut off the power supply during the update process. The device automatically restarts when the update is complete.

<u>Step 4</u> After the restart, you are redirected to the login page for you to log in to the device again.

### 2.3.3 Cloud Update through the Webpage

#### Procedure

- <u>Step 1</u> Log in to the webpage of the device.
- <u>Step 2</u> Select **Settings** > **System** > **Update** to enter the system update page.

Figure 2-6 System update

Camera	Upgrade	
Network	100 100 100 100 100 100 100 100 100 100	
Event	File Upgrade	
Storage	Select Firmware File	Browse Upgrade
▼ System		
> General		
> Account	- Online Ungrade	
> Safety	Chine Opgrade	
> Default	Auto-check for updates Save	
> Import/Export	System Varsion	Manual Chack
> Manager	System version 2 and Date. 2022-00-15	Manual Cileck
> Upgrade		
Information		

#### Step 3 Click Manual Check.

Select Auto-check, and when a new version is available, the device automatically detects it.

- <u>Step 4</u> If a new version is available, click **Update Now**. The system downloads the version file and starts the update process.
- <u>Step 5</u> After the restart, you are redirected to the login page for you to log in to the device again.

### 2.3.4 Cloud Update through DMSS

#### Procedure

- Step 1 Open DMSS app.
- Step 2 Select **Device Details**.

If it displays **Update Available** on **Cloud Update** area, then there is available new version for update.

4

<	Device Details	<
Wide Dyr	namic Range	
Enabled for brightness a so the image	high contrast scenes, to have its nd shaded areas balance simultaneously a is neither blown out nor too dark.	
Auto Trac	king	_
After the fur on and track	nction is enabled, the camera can focus () the targets.	
Floodligh	t Settings	>
Volume		>
General Co	onfig	
Network (	Configuration Linksys0121	6 >
Time Zone Configure de	evice time zone and daylight saving time.	>
Device Sh Share device	aring as with other users.	>
Cloud Up	date Update Availabl	e >
Others	e ( part in fact in the	
Storage M	lanager	>
	Restart	
	Delete	

Figure 2-7 Device details

- <u>Step 3</u> Tap **Cloud Update** to go to the update page.
- <u>Step 4</u> Confirm the **Current Version** and **Latest Version**, and then tap **Update**.
- <u>Step 5</u> After being updated successfully, the device will restart.

## 2.4 Checking for Update Success

## 2.4.1 Checking the Result of Update by ConfigTool

After the update is complete, wait until the device restarts. Click  ${f O}$  to check the system version.

If the version is the same as the software version of the update package, it means the update is successful.

Ņ	Configtool	Y	<b>3</b> D	evice(s) found	0			Search Setting	<b>▼</b> - ×
P	Modify IP	В	atch Upg	grade				Search	٩
Ð	Device Upgrade		NO.	Model	IP : Port	Version	Upgrade File Path	Operate	
æ	Online Upgrade		1	IPC-	77	2.840.0000000.3.R		(1)	
	oninie opgrado		2	IPC-	77	2.800.000000.4		(1)	
0	Device Config		3	IPC-	77	2.840.0000000.2		(†	
0	System Settings								
₿	Password Reset								
ц	Building Config								
88	CGI Protocol								
		,	You ha	ve selected 0	device(s)				0 🗎

Figure 2-8 Check version information

## 2.4.2 Checking the Result of Update through the Webpage

#### Procedure

- <u>Step 1</u> Log in to the webpage of the device.
- <u>Step 2</u> Select **Settings** > **Information** > **Version** to check the update result.

Figure 2-9 Check update result

▶ Camera	Version	
▶ Network		
▶ Event	Device Type	Contraction and Contraction of the
▶ Storage	System Version	V2.860.0000000.1.R, Build Date: 2022-08-15
▶ System	WEB Version	V3.2.1.1289646
Information	ONVIF Version	21.12(V3.1.0.1259110)
> Version	S/N	8087400YA070FF1
> Log	Algorithm Version	1.0.3
> Online User	Security Baseline V	V2.3
> Legal Info		
Q. 11 11 11 - 11	Copyright 2022, all righ	its reserved.
	C	

## 2.4.3 Checking the Result of Update through DMSS

#### Procedure

<u>Step 1</u>	Open DMSS app.
<u>Step 2</u>	Select <b>Device Details</b> .
<u>Step 3</u>	Confirm that you have updated to the latest version.

#### Figure 2-10 Device details

<	Device De	etails	<
Wide Dyn	amic Range		
Enabled for h brightness ar so the image	nigh contrast scenes, to nd shaded areas balanc is neither blown out n	e simultaneously or too dark.	
Auto Trac	king		
After the fun on and track	ction is enabled, the ca the targets.	imera can focus	
Floodlight	t Settings		5
Volume			>
General Co	nfig		
Network Configuration		Linksys01216	2
Time Zone Configure device time zone and daylight saving ti		light saving time.	>
Device Sha Share device	aring s with other users.		>
Cloud Upd	ate	Latest Version	>
Others			
Storage Manager			>
	Restar	t	
	Delet	e	

ENABLING A SAFER SOCIETY AND SMARTER LIVING