# IPC-E541F-E2-AS **Volt** Release Notes

# **Table of Contents**

1 Relea	ase Notes	1
	V2.840.000000.26	
1.2	Software Environment	2
2 Upda	ate Guide	4
2.1	Introduction	4
2.2	Preparation	4
2.3	Instructions	4
	2.3.1 Updating by ConfigTool	4
	2.3.2 Updating through the Webpage	6
	2.3.3 Cloud Update through the Webpage	7
	2.3.4 Cloud Update through DMSS	7
2.4	Checking for Update Success	8
	2.4.1 Checking the Result of Update by ConfigTool	8
	2.4.2 Checking the Result of Update through the Webpage	9
	2.4.3 Checking the Result of Update through DMSS	9

# **1 Release Notes**

## 1.1 V2.840.000000.26

#### **Release Date**

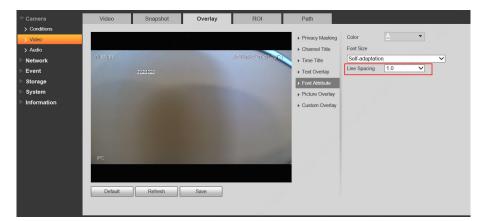
December 21, 2023

#### **New Features**

• Supports overlaying week, and you can set the display location.



• Supports setting line spacing of video overlay.



• Supports customizing OSD, and you can set the location of each line.

	Video	Snapshot	Overlay	ROI	Path	
Conditions						
> Video					<ul> <li>Privacy Masking</li> </ul>	Enable      Disable
> Audio					Channel Title	Input Custom OSD
Network	111111Listom Ov	erley0		2032-12-20 10 52 16 50	<ul> <li>Time Title</li> </ul>	1111111
Event		22222220 ustom Overla	y1		<ul> <li>Text Overlay</li> </ul>	2222222
Storage					<ul> <li>Font Attribute</li> </ul>	
System	Statistics and states				<ul> <li>Picture Overlay</li> </ul>	
Information					<ul> <li>Custom Overlay</li> </ul>	
	IPC					
	Default	Refresh	Save	6	0	
	Delaut		Gave			

- Security Baseline V2.2 and V2.3.
- Supports enabling and disabling LLDP on DoLynk Care.
- Supports standard UTC.
- Redirects to the device webpage without entering password.

#### **Optimized Features**

- Auto registration supports redirection.
- Auto registration supports domain name.
- Updated IVS algorithm.
- Updated people counting algorithm.

#### **Fixed Bugs**

- K1 series products failed to upload a single face image to the face database.
- The coordinates of the uploaded face image were wrong, resulting in inaccurate overlay detection box on the platform.
- Controls of different products were incompatible when installed on the same computer.
- The focal length restored to default settings after the device restarted.
- The videos of two channels were not synchronized, with a difference of 1 or 2 seconds.
- CGI heartbeat command did not take effect.
- The people counting OSD data is inconsistent with the report data.
- P2P was displayed online, but cannot be added due to configuration import and export.
- After searching for SMD videos on DMSS, all videos were displayed.
- Failed to control the blue and red lights of TIOC on DMSS.

#### Third-Party Access

- CGI testing tool: V2.91.3.12.
- ONVIF testing tool: V22.12.
- ONVIF: Supports Profile S, Profile G and Profile T.

### **1.2 Software Environment**

Category	Model	Version
NVR	NVR5XXX-EI	DH_NVR5XXX-EI_MultiLang_V4.000.0000000.1.R.230725.zip

Category	Model	Version
DSS/PSS	DSS Pro	General_DSS- Professional_Server_Win64_IS_V8.003.0000000.0.R. 20230701.exe
DSS/PSS	PSS Lite	General_SmartPSSLite_MultiLang_Win64_IS_V1.003.000000 3.1.R.230620.zip
Tool	ConfigTool	General_ConfigTool_ChnEng_V5.001.0000002.0.R. 20230223.zip
Арр	DMSS	Download the latest version.

# 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.

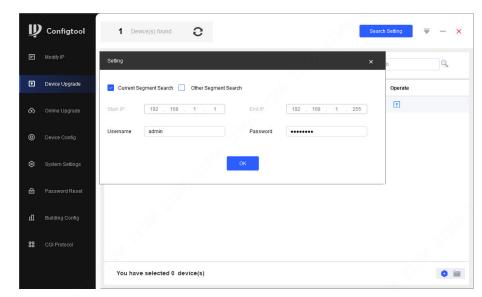


Figure 2-1 Set search condition

<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

P	Modify IP	B	atch Up	grade				Search	Q	
Ŧ	Device Upgrade		NO.	Model	IP : Port	Version	Upgrade File Path	Operate		
£	Online Upgrade		1	IPC-HFW55.	192.168.1.108:37777	3.100.0000000.5.R	۵	(†		
0										
0	System Settings									
≘										
п	Building Config									
38										
38			50		0 device(s)				0	

- <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 De	evice(s) found	0			Search Setting	₹ - ×
P	Modify IP	Ba	itch Upg	rade				Search	9
ŧ	Device Upgrade		NO.	Model	IP : Port	Version	Upgrade File Pi	ath Operate	
æ	Online Upgrade		1	IPC	5:37777	2.840.0000000	3.R 🛄	(†	
	Online Upgrade		2	IPC-= 7	4:37777	3.120.0000000	1 📘	Ē	
0	Device Config		3	IPC 3	1:37777	3.140.0000000	1 🗋	(†	
			4	IPC	7:37777	2.800.0000000	4 📘	(†	
0	System Settings		5	IPC	2:37777	2.840.0000000	2 📘	<b>1</b>	
۵	Password Reset								
п	Building Config								
88	CGI Protocol								
		Ŋ	/ou ha	ve selected 3	device(s)				0 🗎

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	

<u>Step 6</u> Click **OK** 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.

# 2.3.2 Updating through the Webpage

#### Procedure

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

Figure 2-5 System update

Network				
Event	File Upgrade			1
Storage	Select Firmware File		Browse	Upgrade
System			<u> </u>	
> General				
> Account	- Online Upgrade			
> Safety	Online Opgrade			
> Default	Auto-check for updates	Save		
> Import/Export	System Version	2.860.0000000.1.R. Build Date: 2022-08-15		Manual Check
> Manager	System version	2.000.0000000.1.R, Build Date: 2022-08-15		Manual Check
> Upgrade				

<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	File Upgrade				
Event	File Opgrade				
Storage	Select Firmware File		Browse	Upgrade	
System					
> General					
> Account	Online Upgrade				
> Safety	Offinite Opgrade				
> Default	Auto-check for updates	Save			
> Import/Export	System Version	2 uild Date: 2022-08-15		Manual Check	
> Manager	System version	2 Juid Date. 2022-08-15		Manual Check	
> 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.
- <u>Step 2</u> Select **Device Details**.

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

<	Device Details	<
Wide Dyr	namic Range	
brightness a	high contrast scenes, to have its nd shaded areas balance simultaneously e is neither blown out nor too dark.	
Auto Trac	king	
	nction is enabled, the camera can focus () the targets.	
Floodligh	t Settings	>
Volume		>
General Co	onfig	
Network (	Configuration Linksys01216	>
Time Zone Configure de	evice time zone and daylight saving time.	>
Device Sh Share device	aring as with other users.	>
Cloud Up	date Update Available	>
Others		
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.

P	Modify IP							- Devent	Q
		B	atch Upg	rade				Search	4
Ŧ	Device Upgrade		NO.	Model	IP : Port	Version	Upgrade File Path	Operate	
æ	Online Upgrade		1	IPC-	77	2.840.000000.3.R		(Ť)	
	chine opgrado		2	IPC-	77	2.800.000000.4		(1)	
0	Device Config		3	IPC-	77	2.840.0000000.2	0	(1)	
0	System Settings								
₿	Password Reset								
Ъ	Building Config								
88	CGI Protocol								

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	ne en get Kreistenste ge	
▶ Network		10 <sub>20</sub> <u> </u>	
▶ Event	Device Type	Contraction and Contraction of Contr	
▶ 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	8087400YA0270FF1	
> Log	Algorithm Version	1.0.3	
> Online User	Security Baseline V	V2.3	
> Legal Info			
63, 111, 111, 111	Copyright 2022, all rights reserved.		

# 2.4.3 Checking the Result of Update through DMSS

#### Procedure

<u>Step 1</u>	Open DMSS app.
<u>Step 2</u>	Select Device Details.
<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		
brightness ar	igh contrast scenes, to nd shaded areas balanc is neither blown out n	e simultaneously	
Auto Trac	king		
After the fun on and track	ction is enabled, the ca the targets.	amera can focus	
Floodlight	Settings		5
Volume			>
General Co	nfig		
Network C	configuration	Linksys01216	>
Time Zone Configure de	vice time zone and day	light saving time.	>
Device Sha Share device	aring s with other users.		>
Cloud Upd	ate	Latest Version	>
Others		1 and 1	
Storage M	anager		>
	Resta	rt	
	Delet	e	

ENABLING A SAFER SOCIETY AND SMARTER LIVING