DSS

Update Guide

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD

V1.0.0

Foreword

General

This manual introduces how to update the DSS products.

Safety Instructions

The following categorized signal words with defined meaning might appear in the manual.

Signal Words	Meaning
DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
TIPS	Provides methods to help you solve a problem or save you time.
NOTE	Provides additional information as the emphasis and supplement to the text.

Revision History

Version	Revision Content	Release Time
V1.0.0	First release.	July 2022

Table of Contents

Foreword I
1 Updating DSS Express/Professional from V8.0.2/V8.0.4/V8.1.0 to V8.1.1 3
1.1 Compatible Version 3
1.2 Backing Up and Restoring Data 4
1.3 Update Procedures 4
2 Updating DSS Express from V8.0.2/V8.0.4/ V8.1.0/V8.1.1 to DSS Professional V8.1.1 8
2.1 Compatible Version 8
2.2 Backing Up and Restoring Data 8
2.3 Update Operations 8
3 Upgrading DSS Express/Professional from V7 to V8.1.1 15
Appendix 1 DSS Professional Function Notes 16
Appendix 2 DSS Express Function Notes 25
Appendix 3 Cybersecurity Recommendations 32

1 Updating DSS Express/Professional from V8.0.2/V8.0.4/V8.1.0 to V8.1.1

- Updating to V8.1.1 will overwrite your current version. All data will be kept.
- To understand how each function will change after update, see "Appendix 1 DSS Professional Function Notes" or "Appendix 2 DSS Express Function Notes".
- After DSS Express/Professional is updated to V8.1.1, data from V8.0.2, V8.0.4 or V8.1.0 will be kept.

1.1 Compatible Version

Product	Version before Update	Program before Update	Product after Update	New Version
DSS Express	V8.000.0000002.0	General_DSS-Express_win32_IS_V8.000.0000002.0.R.20220113.exe	DSS Express	V8.001.0000001.0
DSS Express	V8.000.0000004.0	General_DSS-Express_win32_IS_V8.000.0000004.0.R.20220113.exe	DSS Express	V8.001.0000001.0
DSS Express	V8.001.0000000.0	General_DSS-Express_Win64_IS_V8.001.0000000.0.R.20220430.exe	DSS Express	V8.001.0000001.0
DSS Professional	V8.000.0000002.0	General_DSS-Professional_Win64_IS_V8.000.0000002.0.R.20220113.exe	DSS Professional	V8.001.0000001.0
DSS Professional	V8.000.0000004.0	General_DSS-Professional_Win64_IS_V8.000.0000004.0.R.20220113.exe	DSS Professional	V8.001.0000001.0
DSS Professional	V8.001.0000000.0	General_DSS-Professional_Win64_IS_V8.001.0000000.0.R.20220430.exe	DSS Professional	V8.001.0000001.0

1.2 Backing Up and Restoring Data

To avoid data loss caused by update failure, make sure that you have backed up the data before update. In case of data loss, you can restore all the data from the backup file.

Backing Up Data

Step 1 Log in to the PC Client, click on the homepage and select **Backup and Restore** in **System Config**.

Step 2 On **Manual Backup** of the **Backup** page, select backup path and then click **Backup Now**.

Restoring Data

Step 1 Log in to the PC Client, click on the homepage, and then in the **System Config** section, select **Backup and Restore** > **Restore**.

Step 2 Restore data.

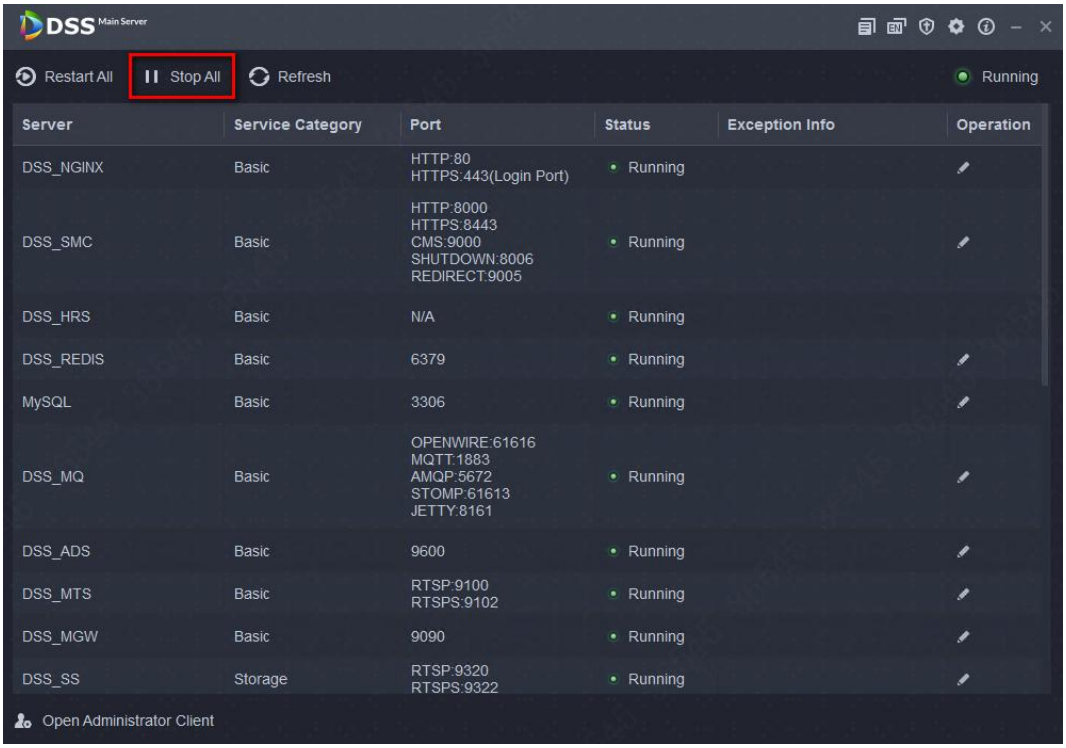
- Click of a backup file that is stored on the server, and then enter the password of the current account, and the encryption password of the backup file when it was generated.
- Select a backup file that is stored on your computer, and then click **Restore Now**.

1.3 Update Procedures

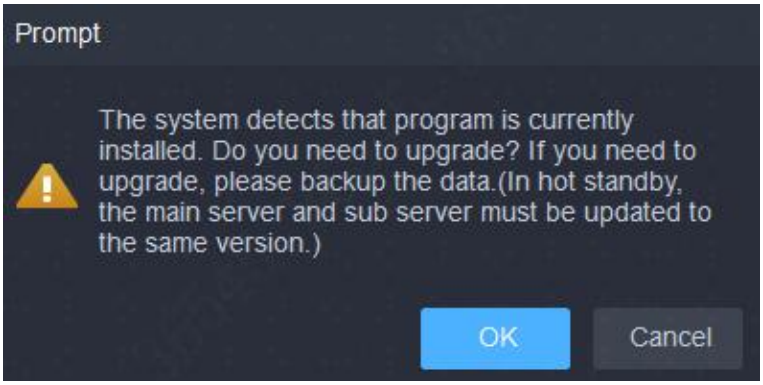
- Contact local technical support for help if the update failed.
- For main and sub servers of DSS Professional in distributed deployment, follow the steps below to update each server.
- For DSS Professional in hot standby, close the Rose software first, and then open it again after update. Update procedures are similar to updating DSS Professional with no hot standby.
- After DSS Professional is updated from V8.0.2 to V8.1.1, metadata and ANPR records cannot be displayed. If you need to keep the records, contact technical support

Step 1 Log in to the server of DSS Professional or DSS Express.

Step 2 Double-click on the desktop, log in to the system configuration tool, and then click **Stop All** to stop all services.



Step 3 Double-click the V8.001.0000001.0 installation program. An update prompt is displayed as follows.

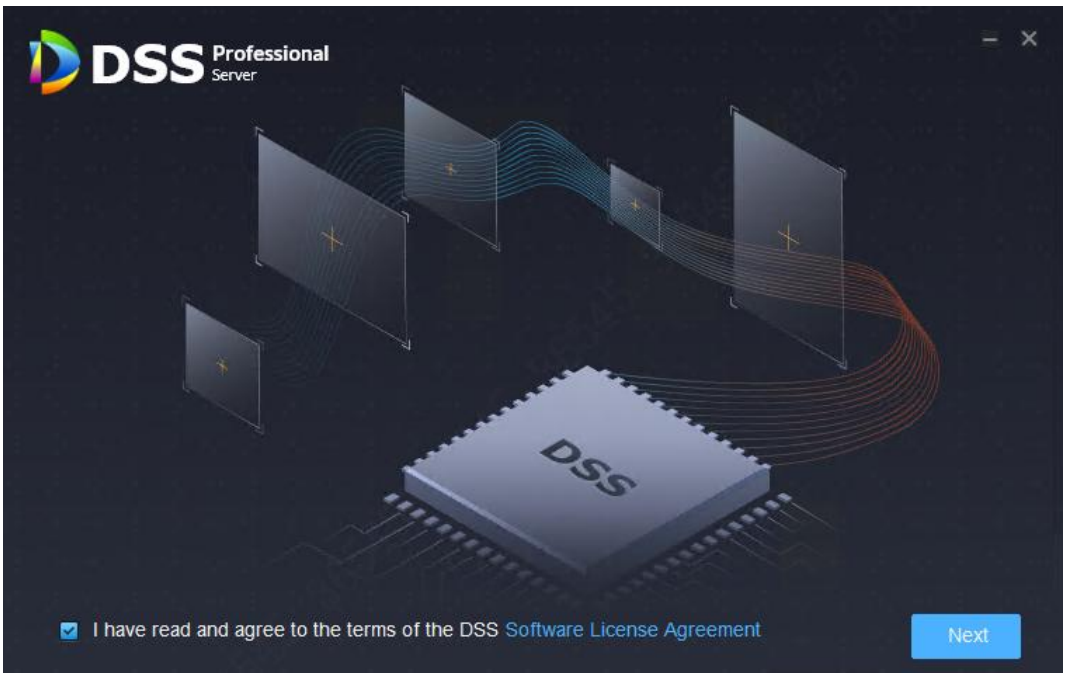


Step 4 Click **OK**.

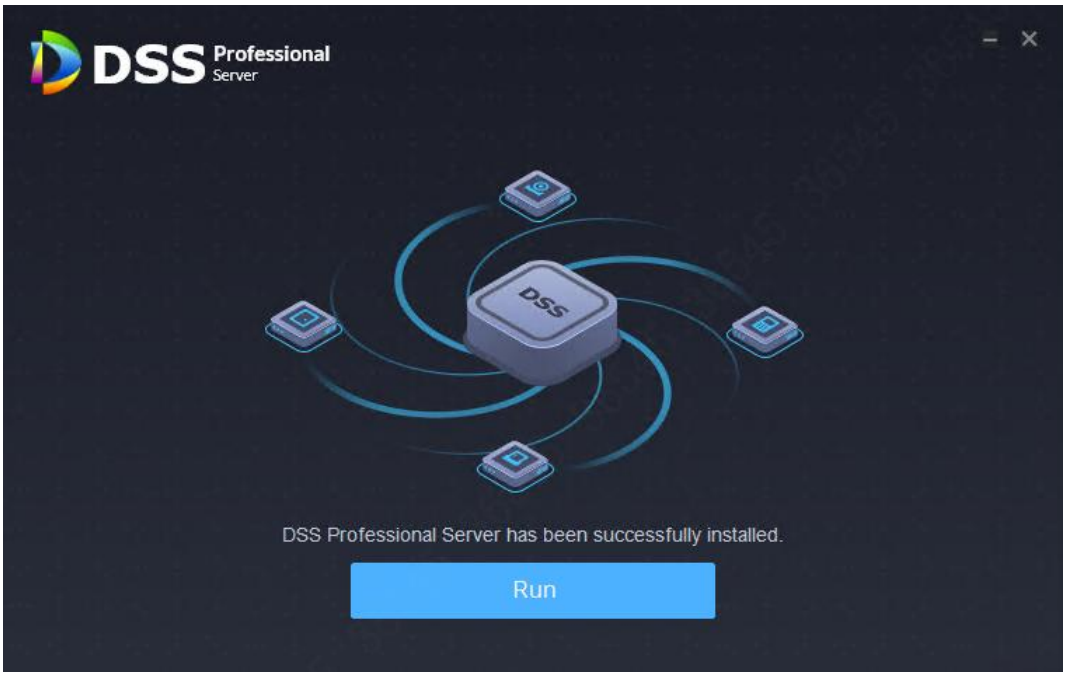
The installation path of the old version will be detected, and you cannot edit the directory.

Step 5 Click **Install** to start the installation.

The process takes 4 to 8 minutes. Do not cut off the power or close the program.

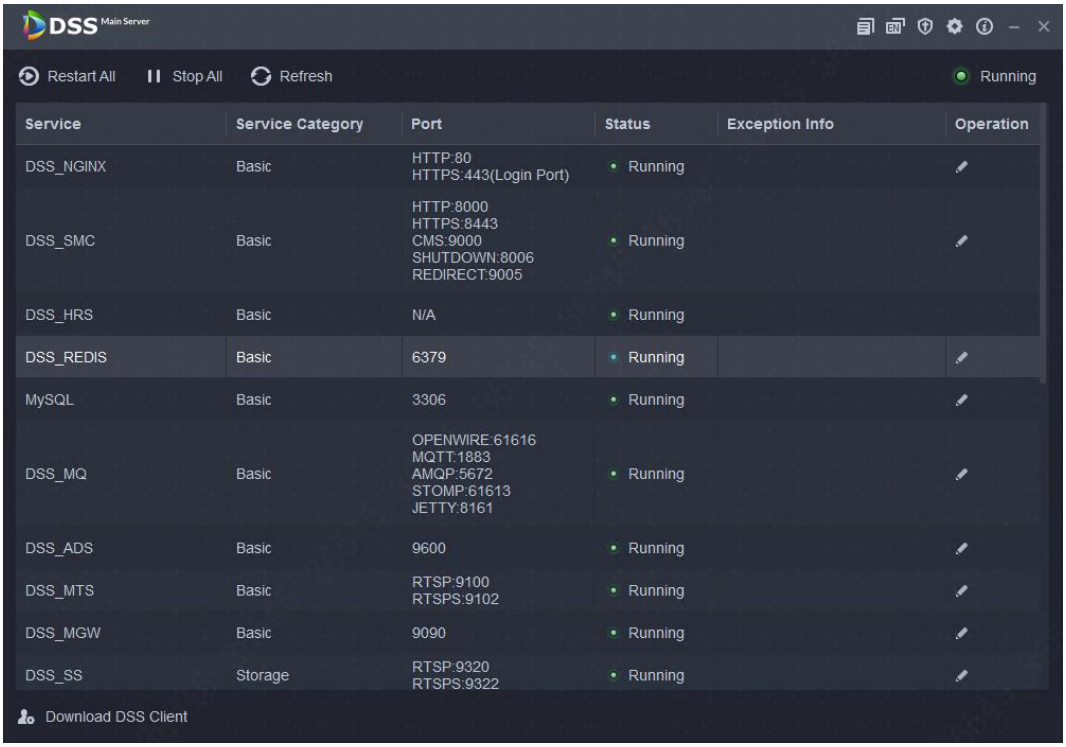


Step 6 After installation, click **Run** to run the program.



Step 7 Log in to the system configuration tool to check whether all the services are running properly.

If the word **Running** displays at the upper-right corner, it means all services are running properly. If not, check the status of each service to make sure all services are running properly.



Step 8 Log in to the PC Client again, and then follow the on-screen instructions to update it.

2 Updating DSS Express from V8.0.2/V8.0.4/ V8.1.0/V8.1.1 to DSS Professional V8.1.1

2.1 Compatible Version

Product	Version before Update	Program before Update	Product after Update	New Version
DSS Express	V8.000.0000002.0	General_DSS-Express_win32_IS_V8.000.0000002.0.R.20220113.exe	DSS Professional	V8.001.0000001.0
	V8.000.0000004.0	General_DSS-Express_win32_IS_V8.000.0000004.0.R.20220113.exe		
	V8.001.0000000.0	General_DSS-Express_Win64_IS_V8.001.0000000.0.R.20220430.exe		
	V8.001.0000001.0	General_DSS-Express_Win64_IS_V8.001.0000001.0.R.20220727.exe		

2.2 Backing Up and Restoring Data

See "1.2 Backing Up and Restoring Data".

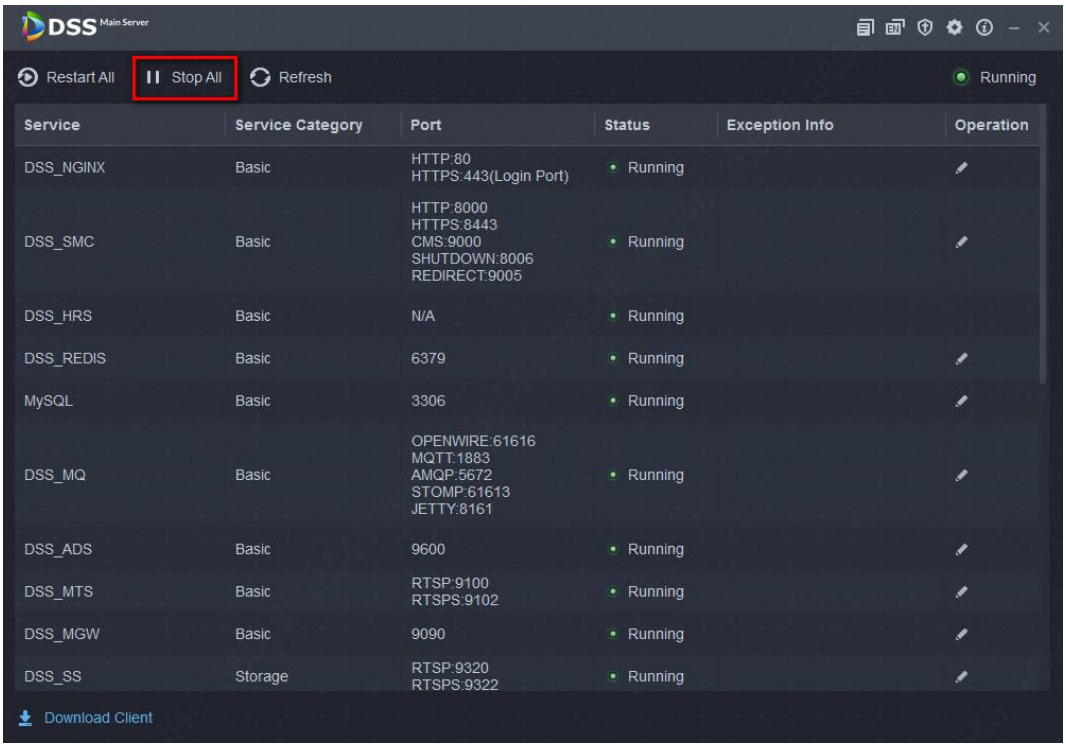
2.3 Update Operations

After DSS Express is updated from V8.0.2/ V8.0.4/V8.1.0/V8.1.1 to DSS Professional V8.1.1, data before update will be kept, except alarm, face, metadata and ANPR records. If you need to keep these records, contact technical support.

Updating the Server and PC Client

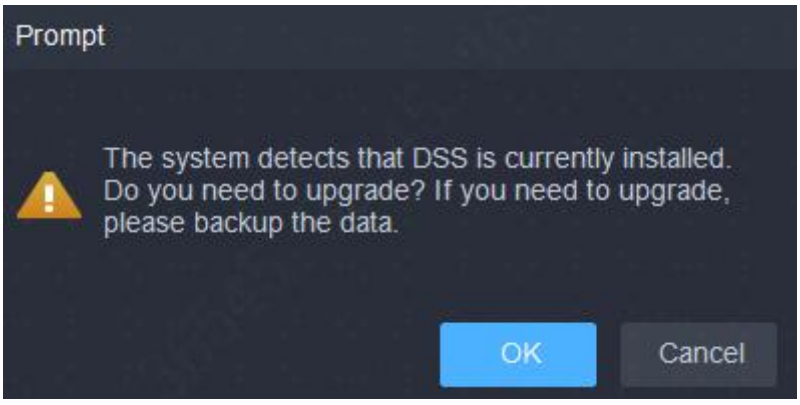
Step 1 Log in to the DSS Express server.

Step 2 Double-click on the desktop, log in to the system configuration tool, and then click **Stop All** to stop all services.



Step 3 Double-click the V8.001.0000001.0 installation program.

An update prompt is displayed as follows.



Step 4 Click **OK**.

The installation path of the old version will be detected, and you cannot edit the directory.

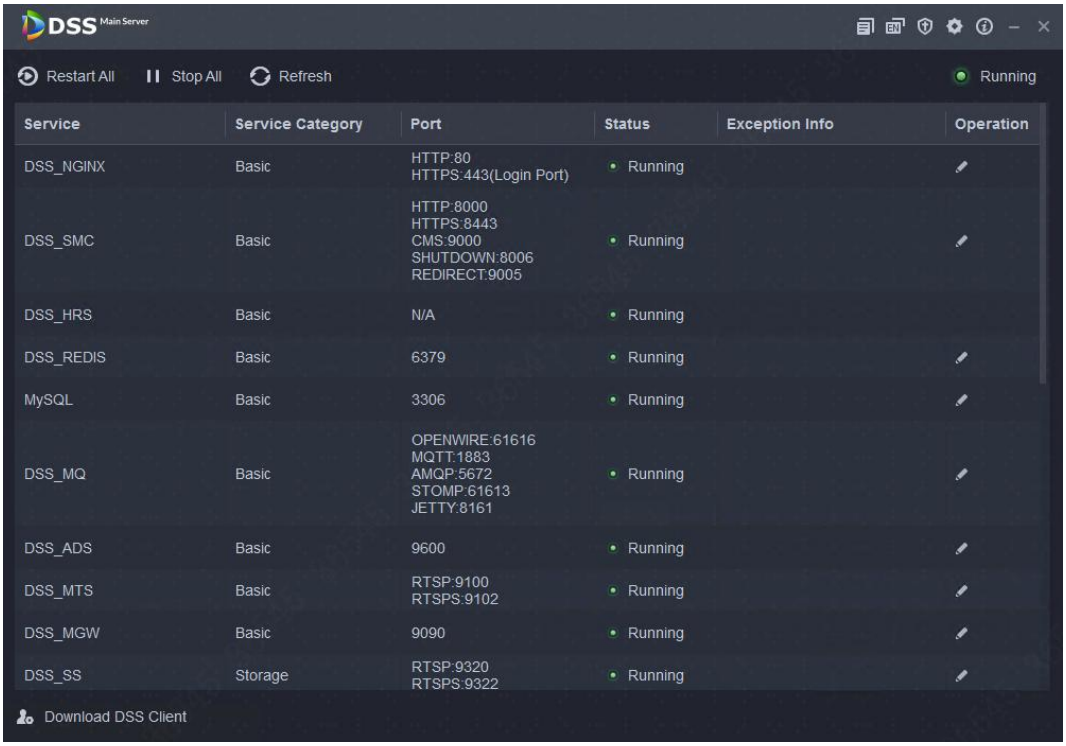
Step 5 Click **Install** to start the installation.

The process takes 4 to 8 minutes. Do not cut off the power or close the program.

Step 6 After installation, click **Run** to run the program.

Step 7 Log in to the system configuration tool to check whether all the services are running properly.

If the word **Running** displays at the upper-right corner, it means all services are running properly. If not, check the status of each service to make sure all services are running properly.



Step 8 Log in to the PC Client again, and then follow the on-screen instructions to update it.

Updating the license

If DSS Express before update is a free or trial version, follow the normal procedures to apply for and activate a V8.1.0 license for DSS Professional after update. If DSS Express before update is a paid version, follow the steps below.

Step 1 Purchase a V8.1.1 license for DSS Professional.

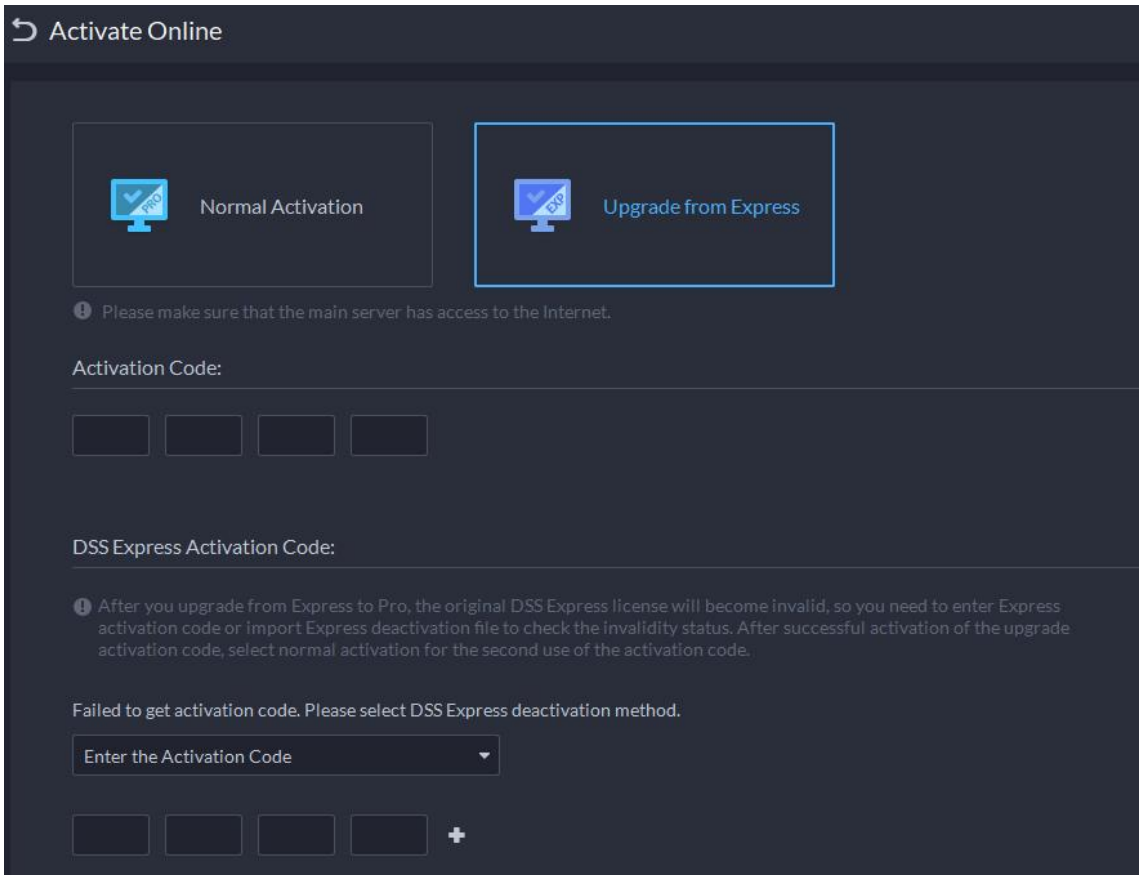
DSS Professional supports more functions such as attendance, cascading, synthesis, parking management, multiple sites, group talk, independent database, EAS, and retail. If you need these functions, make sure that you purchase a license that includes them. For details on these functions, see the user's manual of DSS Professional.

Step 2 Log in to the PC Client, click on the homepage, and then select **License** in the **System Config** section.

Step 3 Select how you want to update according to your network status.

- Activate the license online.

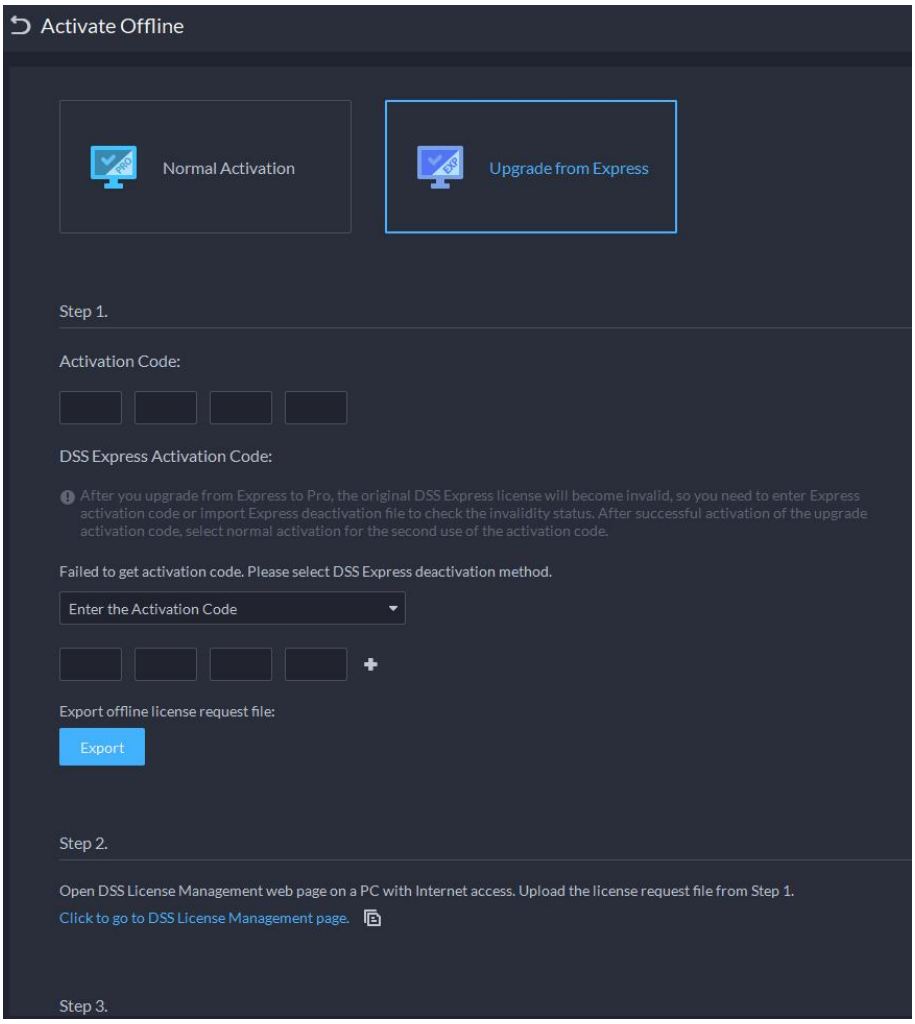
1) Click next to **Activation Code** on the lower-left corner to copy the activation code.
2) Select **Activate Online > Upgrade from Express**.



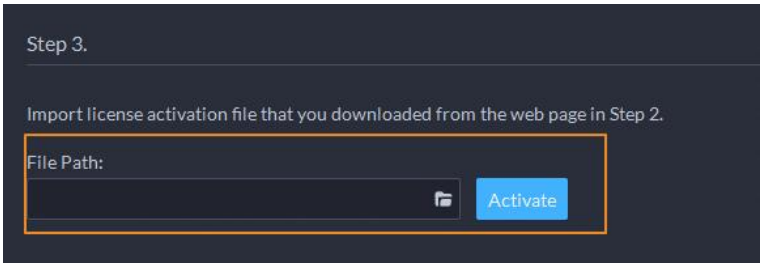
3) In the **Activation Code** input area, enter the V8.1.1 activation code for DSS Professional.
4) In the **DSS Express Activation Code** area, select **Enter the Activation Code**, and then enter the activation code you just copied.
5) Click **Activate Now**.

- Activate the license offline.

1) Click next to **Activation Code** on the lower-left corner to copy the activation code.
2) Select **Activate Offline > Upgrade from Express**.



3) In the **Activation Code** input area, enter the V8.1.1 activation code for DSS Professional.
4) In the **DSS Express Activation Code** area, select **Enter the Activation Code**, and then enter the activation code you just copied.
5) Click **Export**, save the activation file to your computer, and then move the file to another computer with Internet connection.
6) On the computer with Internet connection, go to https://licensing.dahuasecurity.com/home/index in the browser.
7) Select **DSS > Activate License**.
8) Click **Upload**, select and open the activation file, and then click **Activate**
9) Follow the on-screen instructions to save the license file to your computer.
10) Move the license file to the computer that needs to activate it.
11) Click , and then select and open the license file.



12) Click **Activate**.

3 Upgrading DSS Express/Professional from V7 to V8.1.1

DSS Express/Professional V7 cannot be directly updated to V8.1.1. You need to update from V7 to V8.0.2 first, and then to V8.1.1.

Step 1 Update DSS Express/Professional V7 to V8.0.2. See DSS V8.0.2_Update Guide.

Step 2 Update DSS Express/Professional from V8.0.2 to V8.1.1.

- Update DSS Express from V8.0.2 to V8.1.1. See "1 Updating DSS Express/Professional from V8.0.2/V8.0.4/V8.1.0 to V8.1.1".
- Update DSS Professional from V8.0.2 to V8.1.0. See "1 Updating DSS Express/Professional from V8.0.2/V8.0.4/V8.1.0 to V8.1.1".
- Update DSS Express from V8.0.2 to DSS Professional V8.1.1. See "2 Updating DSS Express from V8.0.2/V8.0.4/ V8.1.0/V8.1.1 to DSS Professional V8.1.1" of this document.

Appendix 1 DSS Professional Function Notes

Category	Function Module	Function	Notes
–	–	Network Configuration	Keep the configuration.
–	–	Security Configuration	Keep the configuration.
Device	Add device	Device Management	Check after the upgrade: You can only add devices that are sold outside of China to the platform in the new version. After upgrade, devices that are not sold outside of China will be automatically deleted.
Device	Add device	Organization Management	Keep the data.
Device	Device Configuration	Event Configuration	Keep the configuration.
Device	Device Configuration	Recording Plan	Keep the configuration.
Device	Device Configuration	Retrieval Plan	Keep the configuration.
Device	Device Configuration	Recording Storage Configuration	Keep the configuration.
Device	Device Configuration	Channel Binding	Keep the configuration.
Device	Device Configuration	Channel Configuration	Keep the configuration.
Device	Device Configuration	Device Configuration	Keep the configuration.
User	Role	Role Management	Keep the data. Added a function for video storage detection and scheduled reports.

Category	Function Module	Function	Notes
User	User	User Management	Keep the configuration.
Storage	Storage	Network Disk	Keep the configuration.
Storage	Storage	Local Server Disk	Keep the configuration.
Storage	Storage	Disk Group	Keep the configuration.
Storage	Storage	Device Storage Configuration	Keep the configuration.
Storage Plan	Recording Plan	Regular Recording Plan	Keep the configuration.
Storage Plan	Recording Plan	Motion-detecting Recording Plan	Keep the configuration.
Storage Plan	Retrieval Plan	Recording Retrieval	Keep the configuration.
Storage Plan	Retrieval Plan	File Retrieval	Keep the configuration.
Event	Event	Event Configuration	Keep the configuration. Illegal card, fingerprint, and password are changed to stranger card, fingerprint, and password.
Map	Map	Map Configuration	1. After upgrade, the URL of Google Maps will be the same as before. 2. If you configured a map that was not Google Maps, it will be cleared after upgrade, and you need to configure a map again.
Personnel & Vehicle Management	Personnel List	Personnel Group	Keep the data.
Personnel & Vehicle Management	Personnel List	Personnel	Keep the data.
Personnel & Vehicle	Vehicle List	Vehicle Management	Keep the data.

Category	Function Module	Function	Notes
Management			
Arming List	Face Arming List	Face Comparison Group	Keep the data.
Arming List	Vehicle Arming List	Vehicle Arming Group	Keep the data.
Access Control	Door Group	Door Group Configuration	Keep the configuration.
Access Control	Door Group	Time Template	Keep the configuration.
Access Control	Door Group	Holiday Management	Keep the configuration.
Access Control	Access Control Group	Access Control Group	Keep the configuration.
Access Control	Public Password	Public Password	Keep the configuration.
Access Control	Advanced Unlock Rule	First-card Unlock	Keep the configuration.
Access Control	Advanced Unlock Rule	Multi-card Unlock	Keep the configuration.
Access Control	Advanced Unlock Rule	Anti-Passback	Keep the configuration.
Access Control	Advanced Unlock Rule	Multi-door Interlock	Keep the configuration.
Access Control	Advanced Unlock Rule	Remote Verification	Keep the configuration.
Video Intercom	Video Intercom	Call Management	Keep the configuration.
Video Intercom	Video Intercom	Residential Area Configuration	Keep the configuration.
Video Intercom	Video Intercom	Room Configuration	Keep the configuration.
Video Intercom	Video Intercom	Contact Synchronization	Keep the configuration.
Video Intercom	Video Intercom	Private Password	Keep the configuration.
Video Intercom	Video Intercom	App QR Code	Keep the configuration.
Video Intercom	Video Intercom	App User	Keep the configuration.
Attendance	Attendance	Attendance Configuration	Keep the configuration.

Category	Function Module	Function	Notes
Attendance	Attendance	Attendance Period	Keep the configuration.
Attendance	Attendance	Attendance Holiday Plan	Keep the configuration.
Attendance	Attendance	Attendance Shift	Keep the configuration.
Attendance	Attendance	Scheduling Management	Keep the configuration.
Visitor	Visitor	Automatic Visit	Keep the configuration.
Visitor	Visitor	Automatic Leave	Keep the configuration.
Visitor	Visitor	Default Visitor Permission	Keep the configuration.
Visitor	Visitor	Email Template	Keep the configuration.
Visitor	Visitor	Pass Remark	Keep the configuration.
Parking Lot Management	Parking Lot Configuration	Basic Parking Lot Configuration	Keep the configuration.
Parking Lot Management	Parking Lot Configuration	Event Parameter Configuration	Keep the configuration.
Parking Lot Management	Parking Lot Configuration	Management of Exclusive Parking Spaces	Keep the configuration.
Parking Lot Management	Parking Lot Configuration	Layer Configuration of Parking Lot	Keep the configuration.
Parking Lot Management	Entrance/Exit	Vehicle Group	Keep the configuration.
Intelligent Analysis	Intelligent Analysis	Configuration of People Counting Group	Keep the configuration.
Intelligent Analysis	Intelligent Analysis	Scheduled Report Configuration	Keep the configuration.
System Deployment	Distributed Configuration	Server Management	Keep the configuration.
System Deployment	Distributed Configuration	Resource Allocation	Keep the configuration.
System Deployment	Cascading Configuration	Cascading	Keep the configuration.

Category	Function Module	Function	Notes
License	License	License	Keep the data.
System Parameter	System Parameter	Security Configuration	Keep the configuration.
System Parameter	System Parameter	Message Keeping Duration	Keep the configuration.
System Parameter	System Parameter	Timing	Keep the configuration.
System Parameter	System Parameter	Email Server	Keep the configuration.
System Parameter	System Parameter	Active Directory	Keep the configuration.
System Parameter	System Parameter	HTTPS	Keep the configuration.
System Parameter	System Parameter	POS End Sign	Keep the configuration.
System Parameter	System Parameter	Login Method	Keep the configuration.
System Parameter	System Parameter	Remote Logs	Keep the configuration.
System Parameter	System Parameter	Independent Database Deployment	Keep the configuration.
Backup and Restore	Backup and Restore	Backup	Keep the configuration.
Backup and Restore	Backup and Restore	Restore	Keep the configuration.
Third-party Connection	Third-party Connection	Event Synchronization	Keep the configuration.
Third-party Connection	Third-party Connection	Data Synchronization	Keep the configuration.

Category	Function Module	Function	Notes
Login	Login	Forget Password	Keep the configuration.
Notification Center	Notification Center		Keep the configuration.
Multi-station	Multi-station	–	Keep the configuration.
User Information	–	–	Keep the configuration.
Monitoring	Live View	Live View	Keep the configuration.
Monitoring	Video Playback	Video Playback	Keep the configuration.
Video Wall	Video Wall	Video Wall Business	Keep the configuration.
Map	Map	Map	If you configured a map that was not Google Maps, it will be cleared after upgrade, and you need to configure a map again.
Real-time Event	Real-time Event	Real–time Event Business	No upgrade involved.
History Event	History Event	History Event Business	Keep the data.
Event Statistics	Event Statistics	Event Statistics Business	Keep the data.
Alarm Controller	Alarm Controller	Alarm Control Business	Keep the data.
Intelligent Search	Intelligent Search	Record	Keep the data.
Intelligent Search	Intelligent Search	Personnel	Keep the data.
Intelligent Search	Intelligent Search	Vehicle	Keep the data.
Intelligent Search	Intelligent Search	POS	Keep the data. Added 6 POS fields for searching POS information. You should check the POS data from the previous version after upgrade.
Case Bank	Case Bank	Case Bank Configuration	Keep the configuration.
Operation &	Operation &	Overview	Keep the data.

Category	Function Module	Function	Notes
Maintenance Management	Maintenance Business		
Operation & Maintenance Management	Operation & Maintenance Business	Channel Status	Keep the data.
Operation & Maintenance Management	Operation & Maintenance Business	Device Status	Keep the data.
Operation & Maintenance Management	Operation & Maintenance Business	Service Status	Keep the data.
Operation & Maintenance Management	Operation & Maintenance Business	Exception	Keep the data.
Operation & Maintenance Management	Operation & Maintenance Business	Report Sending	Keep the configuration.
Operation & Maintenance Management	Operation & Maintenance Business	Device Upgrade	Keep the configuration.
Access Control	Access Control Business	Access Control Console	Keep the configuration.
Access Control	Access Control Business	Access Control Record	Keep the data.
Lift Control	Lift Control Business	Lift Control Console	Keep the configuration.
Lift Control	Lift Control Business	Lift Control Record	Keep the data.
Video Intercom	Video Intercom Business	Call Center	Keep the configuration.
Video Intercom	Video Intercom Business	Information Release	Keep the data.
Video Intercom	Video Intercom Business	Audio Talk Record	Keep the data.
Attendance	Attendance Business	Card Swiping Record	Keep the data.
Attendance	Attendance Business	Attendance Report	Keep the data.

Category	Function Module	Function	Notes
Attendance	Attendance Business	Anomaly	Keep the data.
Attendance	Attendance Business	Overtime	Keep the data.
Attendance	Attendance Business	Out-of-office	Keep the data.
Visitor	Visitor Business	Visitor Management	Keep the configuration.
Visitor	Visitor Business	Visitor Record	Keep the data.
Entrance/Exit Monitoring	Entrance/Exit Monitoring	Entrance/Exit Monitoring	Keep the data.
Vehicle Search	Vehicle Search	Entrance Record	Keep the data.
Vehicle Search	Vehicle Search	Exit Record	Keep the data.
Vehicle Search	Vehicle Search	Forced Exit Record	Keep the data.
Vehicle Search	Vehicle Search	Parking Record	No upgrade involved.
Vehicle Search	Vehicle Search	Capture Record	Keep the data.
Visual Parking Lot	Visual Parking Lot	Visual Parking Lot	No upgrade involved.
People Counting	People Counting Business	Real–time People Flow	No upgrade involved.
People Counting	People Counting Business	Historical People Flow	Keep the data.
Heat Map Analysis	Business of Heat Map Analysis	Heat Map Analysis	Keep the data.
In-area People Counting Analysis	Business of In-area People Counting Analysis	In-area People Counting Analysis	Keep the data.
Download Center	Download Center	Download Center	Keep the data.
Local Picture	Local Picture	Local Picture	No upgrade involved.
Local Video	Local Video	Local Video	No upgrade involved.
Local	Local	Local	Keep the configuration.

Category	Function Module	Function	Notes
Configuration	Configuration	Configuration	
Logs	Logs	Operator Logs	Keep the data.
Logs	Logs	Device Logs	No upgrade involved.
Logs	Logs	System Logs	Keep the data.
Logs	Logs	Service Log Debugging	Keep the data.
Help	Help	Help	User manual of DSS Professional V8.1.1 after the upgrade.
Quick Commands	Quick Commands	Quick Commands	Keep the configuration.
Overview	Overview	Overview	No upgrade involved.
User Center	User Center	User Center	Version information of DSS Professional V8.1.1 after the upgrade.
–	–	Service Logs	No upgrade involved.
–	–	Service Configuration File	Keep the configuration.

Appendix 2 DSS Express Function Notes

Category	Function Module	Function	Notes
–	–	Network Configuration	Keep the configuration.
–	–	Security Configuration	Keep the configuration.
Device	Add device	Device Management	Check after the upgrade: You can only add devices that are sold outside of China to the platform in the new version. After upgrade, devices that are not sold outside of China will be automatically deleted.
Device	Add device	Organization Management	Keep the data.
Device	Device Configuration	Event Configuration	Keep the configuration.
Device	Device Configuration	Recording Plan	Keep the configuration.
Device	Device Configuration	Recording Storage Configuration	Keep the configuration.
Device	Device Configuration	Channel Binding	Keep the configuration.
Device	Device Configuration	Channel Configuration	Keep the configuration.
Device	Device Configuration	Device Configuration	Keep the configuration.
User	Role	Role Management	Keep the data. Added a function for video storage detection and scheduled reports.
User	User	User Management	Keep the configuration.

Category	Function Module	Function	Notes
Storage	Storage	Local Server Disk	Keep the configuration.
Storage	Storage	Device Storage Configuration	Keep the configuration.
Storage Plan	Recording Plan	Regular Recording Plan	Keep the configuration.
Storage Plan	Recording Plan	Motion-detecting Recording Plan	Keep the configuration.
Event	Event	Event Configuration	Keep the configuration. Illegal card, fingerprint, and password are changed to stranger card, fingerprint, and password.
Map	Map	Map Configuration	Keep the configuration.
Personnel & Vehicle Management	Personnel List	Personnel Group	Keep the data.
Personnel & Vehicle Management	Personnel List	Personnel	Keep the data.
Personnel & Vehicle Management	Vehicle List	Vehicle Management	Keep the data.
Arming List	Face Arming List	Face Comparison Group	Keep the data.
Arming List	Vehicle Arming List	Vehicle Arming Group	Keep the data.
Access Control	Door Group	Door Group Configuration	Keep the configuration.
Access Control	Door Group	Time Template	Keep the configuration.
Access Control	Door Group	Holiday Management	Keep the configuration.
Access Control	Access Control Group	Access Control Group	Keep the configuration.

Category	Function Module	Function	Notes
Access Control	Public Password	Public Password	Keep the configuration.
Access Control	Advanced Unlock Rule	Anti-Passback	Keep the configuration.
Video Intercom	Video Intercom	Call Management	Keep the configuration.
Video Intercom	Video Intercom	Residential Area Configuration	Keep the configuration.
Video Intercom	Video Intercom	Contact Synchronization	Keep the configuration.
Video Intercom	Video Intercom	Private Password	Keep the configuration.
Video Intercom	Video Intercom	App User	Keep the configuration.
Visitor	Visitor	Automatic Leave	Keep the configuration.
Visitor	Visitor	Default Visitor Permission	Keep the configuration.
Visitor	Visitor	Email Template	Keep the configuration.
Visitor	Visitor	Pass Remark	Keep the configuration.
Parking Lot Management	Parking Lot Configuration	Basic Parking Lot Configuration	Keep the configuration.
Parking Lot Management	Parking Lot Configuration	Event Parameter Configuration	Keep the configuration.
Parking Lot Management	Entrance/Exit	Vehicle Group	Keep the configuration.
Intelligent Analysis	Intelligent Analysis	Configuration of People Counting Group	Keep the configuration.
Intelligent Analysis	Intelligent Analysis	Scheduled Report Configuration	Keep the configuration.

Category	Function Module	Function	Notes
License	License	License	Keep the data.
System Parameter	System Parameter	Security Configuration	Keep the configuration.
System Parameter	System Parameter	Message Keeping Duration	Keep the configuration.
System Parameter	System Parameter	Timing	Keep the configuration.
System Parameter	System Parameter	Email Server	Keep the configuration.
System Parameter	System Parameter	HTTPS	Keep the configuration.
System Parameter	System Parameter	Login Method	Keep the configuration.
System Parameter	System Parameter	Remote Logs	Keep the configuration.
Backup and Restore	Backup and Restore	Backup	Keep the configuration.
Backup and Restore	Backup and Restore	Restore	Keep the configuration.
Login	Login	Forget Password	Keep the configuration.
Notification Center	Notification Center		Keep the configuration.
Multi-station	Multi-station	–	Keep the configuration.
User Information	–	–	Keep the configuration.

Category	Function Module	Function	Notes
Monitoring	Live View	Live View	Keep the configuration.
Monitoring	Video Playback	Video Playback	Keep the configuration.
Video Wall	Video Wall	Video Wall Business	Keep the configuration.
Map	Map	Map	If you configured a map that was not Google Maps, it will be cleared after upgrade, and you need to configure a map again.
Real-time Event	Real-time Event	Real–time Event Business	No upgrade involved.
History Event	History Event	History Event Business	Keep the data.
Event Statistics	Event Statistics	Event Statistics Business	Keep the data.
Alarm Controller	Alarm Controller	Alarm Control Business	Keep the data.
Intelligent Search	Intelligent Search	Record	Keep the data.
Intelligent Search	Intelligent Search	Personnel	Keep the data.
Intelligent Search	Intelligent Search	Vehicle	Keep the data.
Access Control	Access Control Business	Access Control Console	Keep the configuration.
Access Control	Access Control Business	Access Control Record	Keep the data.
Video Intercom	Video Intercom Business	Call Center	Keep the configuration.
Video Intercom	Video Intercom Business	Information Release	Keep the data.
Video Intercom	Video Intercom Business	Audio Talk Record	Keep the data.
Visitor	Visitor Business	Visitor Management	Keep the configuration.
Visitor	Visitor Business	Visitor Record	Keep the data.
Entrance/Exi	Entrance/Exi	Entrance/Exit	Keep the data.

Category	Function Module	Function	Notes
t Monitoring	t Monitoring	Monitoring	
Vehicle Search	Vehicle Search	Entrance Record	Keep the data.
Vehicle Search	Vehicle Search	Exit Record	Keep the data.
Vehicle Search	Vehicle Search	Forced Exit Record	Keep the data.
Vehicle Search	Vehicle Search	Capture Record	Keep the data.
People Counting	People Counting Business	Real–time People Flow	No upgrade involved.
People Counting	People Counting Business	Historical People Flow	Keep the data.
Heat Map Analysis	Business of Heat Map Analysis	Heat Map Analysis	Keep the data.
In-area People Counting Analysis	Business of In-area People Counting Analysis	In-area People Counting Analysis	Keep the data.
Download Center	Download Center	Download Center	Keep the data.
Local Picture	Local Picture	Local Picture	No upgrade involved.
Local Video	Local Video	Local Video	No upgrade involved.
Local Configuration	Local Configuration	Local Configuration	Keep the configuration.
Logs	Logs	Operator Logs	Keep the data.
Logs	Logs	Device Logs	No upgrade involved.
Logs	Logs	System Logs	Keep the data.
Logs	Logs	Service Log Debugging	Keep the data.
Help	Help	Help	User manual of DSS Professional V8.1.1 after the upgrade.
Quick Commands	Quick Commands	Quick Commands	Keep the configuration.
Overview	Overview	Overview	No upgrade involved.
User Center	User Center	User Center	Version information of DSS Professional V8.1.1 after the upgrade.

Category	Function Module	Function	Notes
–	–	Service Logs	No upgrade involved.
–	–	Service Configuration File	Keep the configuration.

Appendix 3 Cybersecurity Recommendations

Security Statement

- If you connect the product to the Internet, you need to bear the risks, including but not limited to the possibility of network attacks, hacker attacks, virus infections, etc., please strengthen the protection of the network, platform data and personal information, and take the necessary measures to ensure the cyber security of platform, including but not limited to use complex passwords, regularly change passwords, and timely update platform products to the latest version, etc. Dahua does not assume any responsibility for the product abnormality, information leakage and other problems caused by this, but will provide product-related security maintenance.
- Where applicable laws are not expressly prohibited, for any profit, income, sales loss, data loss caused by the use or inability to use this product or service, or the cost, property damage, personal injury, service interruption, business information loss of purchasing alternative goods or services, or any special, direct, indirect, incidental, economic, covering, punitive, special or ancillary damage, regardless of the theory of liability (contract, tort, negligence, or other) , Dahua and its employees, licensors or affiliates are not liable for compensation, even if they have been notified of the possibility of such damage. Some jurisdictions do not allow limitation of liability for personal injury, incidental or consequential damages, etc., so this limitation may not apply to you.
- Dahua's total liability for all your damages (except for the case of personal injury or death due to the company's negligence, subject to applicable laws and regulations) shall not exceed the price you paid for the products.

Security Recommendations

The necessary measures to ensure the basic cyber security of the platform:

1. **Use Strong Passwords**

   Please refer to the following suggestions to set passwords:

   - The length should not be less than 8 characters.
   - Include at least two types of characters; character types include upper and lower case letters, numbers and symbols.
   - Do not contain the account name or the account name in reverse order.
   - Do not use continuous characters, such as 123, abc, etc.
   - Do not use overlapped characters, such as 111, aaa, etc.

2. **Customize the Answer to the Security Question**

The security question setting should ensure the difference of answers, choose different questions and customize different answers (all questions are prohibited from being set to the same answer) to reduce the risk of security question being guessed or cracked.

Recommendation measures to enhance platform cyber security:

1. **Enable Account Binding IP/MAC**
   It is recommended to enable the account binding IP/MAC mechanism, and configure the IP/MAC of the terminal where the commonly used client is located as an allowlist to further improve access security.
2. **Change Password Regularly**
   We suggest that you change passwords regularly to reduce the risk of being guessed or cracked.
3. **Turn On Account Lock Mechanism**
   The account lock function is enabled by default at the factory, and it is recommended to keep it on to protect the security of your account. After the attacker has failed multiple password attempts, the corresponding account and source IP will be locked.
4. **Reasonable Allocation of Accounts and Permissions**
   According to business and management needs, reasonably add new users, and reasonably allocate a minimum set of permissions for them.
5. **Close Non-essential Services and Restrict the Open Form of Essential Services**
   If not needed, it is recommended to turn off NetBIOS (port 137, 138, 139), SMB (port 445), remote desktop (port 3389) and other services under Windows, and Telnet (port 23) and SSH (port 22) under Linux. At the same time, close the database port to the outside or only open to a specific IP address, such as MySQL (port 3306), to reduce the risks faced by the platform.
6. **Patch the Operating System/Third Party Components**
   It is recommended to regularly detect security vulnerabilities in the operating system and third-party components, and apply official patches in time.
7. **Security Audit**
   - Check online users: It is recommended to check online users irregularly to identify whether there are illegal users logging in.
   - View the platform log: By viewing the log, you can get the IP information of the attempt to log in to the platform and the key operation information of the logged-in user.
8. **The Establishment of a Secure Network Environment**
   In order to better protect the security of the platform and reduce cyber security risks, it is recommended that:
   - Follow the principle of minimization, restrict the ports that the platform maps externally by firewalls or routers, and only map ports that are necessary for services.
   - Based on actual network requirements, separate networks: if there is no communication requirement between the two subnets, it is recommended to use VLAN, gatekeeper, etc. to divide the network to achieve the effect of network isolation.

More information

Please visit Dahua official website security emergency response center for security announcements and the latest security recommendations.

ENABLING A SAFER SOCIETY AND SMARTER LIVING

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.
Address: No.1199 Bin'an Road, Binjiang District, Hangzhou, P. R. China | Website: www.dahuasecurity.com | Postcode: 310053
Email: overseas@dahuatech.com | Fax: +86-571-87688815 | Tel: +86-571-87688883