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# User Guide

## **VIGI Security Manager**

## **About This Guide**

This User Guide provides information for centrally managing cameras and network video recorders via VIGI Security Manager. Please read this guide carefully before operation.

#### Conventions

When using this guide, notice that:

• Features available in VIGI Security Manager may vary due to your region, device model, and firmware version. All images, steps, and descriptions in this guide are only examples and may not reflect your actual experience.

• The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute the warranty of any kind, express or implied. Users must take full responsibility for their application of any products.

• This guide uses the specific formats to highlight special messages. The following table lists the conventions that are used throughout this guide.

Underlined	Indicates hyperlinks. You can click to redirect to a website or a specific section.
Bold	Indicates contents to be emphasized and texts on the web page, including the menus, tabs, buttons and so on.
>	The menu structures to show the path to load the corresponding page.
() Caution	Reminds you to be cautious, and Ignoring this type of note might result in device damage or data loss.
Note	Indicates information that helps you make better use of your device.

#### More Information

• For technical support, the latest version of the User Guide and other information, please visit https://www.tp-link.com/support.

• To ask questions, find answers, and communicate with TP-Link users or engineers, please visit <u>https://community.tp-link.com</u> to join TP-Link Community.

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## Get Started with VIGI Security Manager

This chapter guides you on how to install VIGI Security Manager and choose the network topology based on your needs. VIGI Security Manager offers easy and efficient management for security cameras and VIGI Network Video Recorder. This chapter includes the following sections:

- Install VIGI Security Manager
- Determine the Network Topology

With a reliable network management platform powered by VIGI Security Manager, you can watch the live view and playback, add devices, configure events, set recording and storage schedule for cameras, and export recordings to your computer.

## ✤ 1.1 Install VIGI Security Manager

VIGI Security Manager is provided only for Windows operating systems. Make sure your PC's system meet the following requirements, then properly install the VIGI Security Manager.

#### System Requirement

Operating System: WinXP/Win7/Win8/Win8.1/Win10. (We recommend that you deploy VIGI Security Manager on a 64-bit operating system to guarantee the software stability.)

#### Install VIGI Security Manager

Download the installation file of VIGI Security Manager from the <u>website</u>. Then follow the instructions to properly install the VIGI Security Manager. After a successful installation, a shortcut icon is of the VIGI Security Manager will be created on your desktop.

## ✤ 1.2 Determine the Network Topology

The network topology that you create for VIGI Security Manager varies depending on your requirements. The following figures show two typical application scenarios.

#### Use VIGI Security Manager in Local Network



When the computer is in the same subnet as your cameras and VIGI Network Video Recorder, download and install VIGI Security Manager on your computer to watch the live view and playback, add devices from the discovered list, manage devices, set recording and storage schedule for cameras and export recordings to your computer.

#### Use VIGI Security Manager Remotely



If you want to monitor your home or office while away, you can download and install VIGI Security Manager on a computer connected to the internet, then log in to your TP-Link ID. With the cameras or the VIGI network video recorder bound to your TP-Link ID, you can watch the live view and playback.



## Add Devices to VIGI Security Manager

This chapter guides you on how to add cameras and VIGI NVRs to VIGI Security Manager. You can add cameras and VIGI NVRs locally and remotely based on your needs. This chapter includes the following sections:

- Add Devices in Local Network
- Add Devices Remotely

### ✤ 2.1 Add Devices in Local Network

To add NVRs and cameras locally, ensure that your devices should be in the same subnet as your computer.

#### 2. 1. 1 Add Devices to VIGI Security Manager When TP-Link ID isn't Logged in

Choose one of the methods below (<u>Add Devices Singly</u>, <u>Add Devices in Batches</u>, <u>Add Devices Manually</u>) and follow the steps to add your devices.

- Add Devices Singly
- 1. Go to Settings > Device List > Discovered Devices and click + in the list.

						u 🖷 🕸 😧 — 🗆 ×
		Playback Sett	tings		=	Please log in.
Device	My Devices Discovered Dev	vices				
Device List	+ Add De Add by De	wice ID + Add Man	nually		¢	Configure Network 🖸 Refresh
Firmware Update	No. Device Name	IP Address	HTTP Port	MAC Address	Operation	
	1 NVR1008H	10.0.1.196	80	D8-07-B6-C0-1B-E4	+	0
Storage Schedule	2 TP-Link Camera	10.0.0.2	80	A8-57-4E-FD-01-1D	+	0
Storage Management	3 TP-Link Camera	10.0.0.4	80	3C-84-6A-AF-96-50	+	0
Export Recordings	4 TP-Link Camera	192.168.0.60	80	60-32-B1-5F-2C-B5	+	0
File Settings						
Export Format						
Configure N	letwork Set the	IP address, g	gateway an	d subnet masł	c of yo	ur device.
🖑 Refresh	Click	ר Refresh to r	refresh the	device list.		

2. Enter the password of your device. VIGI Security Manager can automatically detect the IP address and port number of the device, and you can keep them as default. Click Verify.

	Add Device	×				
1 Verify Dev	Verify Device ② Complete					
Enter the device password and port number to add your device.						
Username	admin					
Password	•••••• Ø	Forgot Password				
IP Address	10.0.0.3					
Port Number	80					
		Verify				

Note:

• For the camera with no password, you need to set a password and a password reset email to enhance the security before adding it.

1 Verify Devi	Add Device		
1 device passwore	(s) has no password. Please set a d to enhance the security.		
Username:	admin		
Password:	New Password	ø	
Confirm Password:	Confirm New Password	ø	
Password Rese Email:	Please enter your Email address	0	
			Next

Username	Displays the username of the camera.
Password	Set the password of the camera.
Confirm Password	Confirm the password of the camera.
Password Reset Email	Set the email address for resetting the camera's password.

- For the NVR that has not been used, create a login password on NVR itself and set it up first before adding it.
- 3. (Only for cameras) If you don't want to save the recordings of your camera to your computer, directly click **Confirm**.

Add Device	×
Verify Device 2 Set Recordings 3 Complete	
Enable Record on Computer to save the recordings to the computer.	
Record on Computer Enable	
Con	firm

If you want to save the recordings of your camera to your computer, you can click the checkbox of **Enable Record on Computer**. Configure the following parameters and click **Confirm**.

Epoble Record o	n Computer to source the recordings to the computer	
Enable Record o	n computer to save the recordings to the computer.	
Record on Compu	iter 🔽 Enable	
Schedule	24/7 Recording Change	
Storage Location	Computer C:\Users\admin\AppData\Roaming\TP-Link Browse	
	Free Space: 31 GB	
Storage	2 GB	
Loop Recording	Enable	
Resolution		

Schedule	Click Change to customize the recording schedule of the camera on computer. It determines the time period for camera recording.
Storage Location	Click Browse to select the storage location of files.
Storage	Set the storage space for storing the recordings on your computer. The storage space you set should be less than the free space on your computer.
Loop Recording	Click the checkbox to enable loop recording. It allows your camera to overwrite old files with new files.
Resolution	Select the recording resolution. HQ and LQ refers to the high and low recording resolution respectively.

4. Wait for the device to be added, then click OK.



#### Add Devices in Batches

1. Go to Settings > Device List > Discovered Devices, select the devices you want and click + Add

u 🖷 🗘 🛛 -My Devices Discovered Devices + Add D Add by Device ID + Add Manually Ф Configure Network C Refresh HTTP Port No. Device Name IP Address MAC Address Operation 192.168.1.4 80 3C-84-6A-AF-96-50 +ø ✓ 1 TP-Link Camera ø 192.168.1.5 60-32-B1-5F-2C-B5 ✓ 2 TP-Link Camera 80 +Storage Management

2. Enter the password of your devices. Click Continue.

	Add Device		×
<ol> <li>Verify Dev</li> </ol>	ice 2 Complete		
Please enter t	the password of 2 IPC for verification.		
Username	admin		
Password	<i>1</i>		
		Continue	

Note:

- If you can't add devices in batches, try adding your devices separately instead.
- For the camera with no password, you need to set a password and a password reset email to enhance the security before adding it.
- For the NVR that has not been used, create a login password on NVR itself and set it up first before adding it.
- 3. Click Next after the devices are verified.



4. (Only for cameras) If you don't want to save the recordings of your camera to your computer, directly click **Confirm**.

Add Device	×
Verify Device 2 Set Recordings 3 Complete	
Enable Record on Computer to save the recordings to the computer.	
Record on Computer Enable	
	Confirm

If you want to save the recordings of your camera to your computer, you can click the checkbox of **Enable Record on Computer**. Configure the following parameters and click **Confirm**.

		Add Device ×
	Uverify Device	2 Set Recordings 3 Complete
	Enable Record or	n Computer to save the recordings to the computer.
	Record on Compu	ter 🗹 Enable
	Schedule	24/7 Recording Change
	Storage Location	Computer C:\Users\admin\AppData\Roaming\TP-Linl Browse Free Space: 31 GB
	Storage	2 <b>Q</b> GB
	Loop Recording	C Enable
	Resolution	● HQ OLQ
		Confirm
Schedule	9	Click Change to customize the recording schedule of the camera on computer. It determines the time period for came recording.
Storage	Location	Click Browse to select the storage location of files.

Storage	Set the storage space for storing the recordings on your computer. The storage space you set should be less than the free space on your computer.
Loop Recording	Click the checkbox to enable loop recording. It allows your camera to overwrite old files with new files.
Resolution	Select the recording resolution. HQ and LQ refers to the high and low recording resolution respectively.

5. Wait for the device to be added, then click **OK**.

	Add Device	×
<b>1</b> Verify Device	2 Set Recordings 3 Complete	_
🧭 Added		
		ОК

- Add Devices Manually
- 1. Go to Settings > Device List > Discovered Devices and click + Add Manually
- 2. Select the device type, and enter the IP address/Domain name and port number of your device. By default, the port number is 80. Then click Add.

Ptp-link   VIGI				🖳 🖷 🗘 🕢 — 🗆 ×
	Live View Playback	Settings	=	Please log in.
	My Devices Discovered Devices			
Device List	+ Add ID Add by Device ID +	Add Manually	0	Configure Network
Firmware Update	No. Device Name IP Address	HTTP Port M/	AC Address Operation	n
	1 TP-Link Camera 192.168.1.	4 80 30	C-84-6A-AF-96-50 +	0
Storage Schedule	_			
Storage Management		Add Manually	y ×	
Export Recordings				
File Settings		Device Type 🔘 Camera 📿	) NVR	
Export Format		IP / Domain name 192.168.1.4		
		Port Number 80		
			Add	

3. Enter the password of your device. VIGI Security Manager can automatically detect the IP address and port number of the device, and you can keep them as default. Click Verify.

	Add Device	×
U Verify Dev	rice 2 Complete	
Enter the dev your device.	ice password and port number to ac	ld
Username	admin	
Password	•••••	Forgot Password
IP Address	192.168.1.4	
Port Number	80	
		Verify

Note:

- For the camera with no password, you need to set a password and a password reset email to enhance the security before adding it.
- For the NVR that has not been used, create a login password on NVR itself and set it up first before adding it.
- 4. (Only for cameras) If you don't want to save the recordings of your camera to your computer, directly click **Confirm**.

Add Device	×
Verify Device 2 Set Recordings 3 Complete	
Enable Record on Computer to save the recordings to the computer.	
Record on Computer Enable	
	Confirm

If you want to save the recordings of your camera to your computer, you can click the checkbox of **Enable Record on Computer**. Configure the following parameters and click **Confirm**.

	Add Device	
<ol> <li>Verify Device</li> </ol>	2 Set Recordings 3 Complete	
Enable Record or	n Computer to save the recordings to the computer.	
Record on Comput	er 🗹 Enable	
Schedule	24/7 Recording Change	
Storage Location	Computer C:\Users\admin\AppData\Roaming\TP-Linl	Browse
	Free Space: 31 GB	
Storage	2 GB	
Loop Recording	C Enable	
Resolution		
		Confirm

Schedule	Click Change to customize the recording schedule of the camera on computer. It determines the time period for camera recording.
Storage Location	Click Browse to select the storage location of files.
Storage	Set the storage space for storing the recordings on your computer. The storage space you set should be less than the free space on your computer.
Loop Recording	Click the checkbox to enable loop recording. It allows your camera to overwrite old files with new files.
Resolution	Select the recording resolution. HQ and LQ refers to the high and low recording resolution respectively.

5. Wait for the device to be added, then click OK.



#### 2. 1. 2 Add Devices to VIGI Security Manager When TP-Link ID is Logged in

Follow the steps below to add a device.

1. Go to Settings > Device List > Discovered Devices and click + in the list.

							u 🖬 🌣 📀	– 🗆 x
			Playback Settin	ngs		-		
	My Devices Dis	covered Device	es					
Device List	Add by Devi	ce ID				٥	Configure Network	🖑 Refresh
Firmware Update	No. Device	Name	IP Address	HTTP Port	MAC Address	Operation		
	1 TP-Lin	k Camera	10.0.0.2	80	A8-57-4E-FD-01-1D	+	0	
Storage Schedule	2 TP-Lin	k Camera	10.0.0.11	80	60-32-B1-5F-2C-B5	+	0	
Export Recordings								
File Settings								
Export Format								
Configure N	letwork Se	et the IF	P address, g	ateway and	subnet mask	c of you	ır device.	
C Refresh	С	lick 🖸	Refresh to re	efresh the de	evice list.			

2. Enter the password of your device. VIGI Security Manager can automatically detect the IP address and port number of the device, and you can keep them as default. Click Verify.

	Add Device	×
<ol> <li>Verify Dev</li> </ol>	vice 2 Complete	
Enter the dev your device.	ice password and port number to ad	ld
Username	admin	
Password	••••••	Forgot Password
IP Address	10.0.0.3	
Port Number	80	
		Verify

Note:

• For the camera with no password, you need to set a password and a password reset email to enhance the security before adding it.

Complete has no password. Please set a o enhance the security.		
admin		
New Password	ø	
Confirm New Password	ø	
Please enter your Email address	0	
		Next
	has no password. Please set a o enhance the security. admin New Password Confirm New Password Please enter your Email address	has no password. Please set a o enhance the security. admin New Password Ø Confirm New Password Ø Please enter your Email address (2)

Username	Displays the username of the camera.
Password	Set the password of the camera.
Confirm Password	Confirm the password of the camera.
Password Reset Email	Set the email address for resetting the camera's password.

- For the NVR that has not been used, create a login password on NVR itself and set it up first before adding it.
- 3. Wait for the device to be added, then click **OK**. The device is now bound to your TP-Link ID. Note that you need to add the device again if you log out of your TP-Link ID.

Add Device	×
Verify Device      Complete	
Added	
	ОК

### ✤ 2.2 Add Devices Remotely

Every VIGI NVR and VIGI Security Camera has a device ID printed on its label. When your devices are not in the same subnet as your computer, you can add them remotely by verifying its device ID. Make sure your computer and devices all have access to the internet before adding your devices. Follow the steps below to finish the configuration.

1. Go to Settings > Device List > Discovered Devices and click ID Add by Device ID . If you have not logged in to your TP-Link account, use your TP-Link ID and password to log in first.

						Щ ∰ \$ Ø	– 🗆 ×
	Live View	Playback Se	ttings		-		
	My Devices Discovered Devi	ices					
Device List	D Add by Device ID				0	Configure Network	🖑 Refresh
Firmware Update	No. Device Name	IP Address	HTTP Port	MAC Address	Operation		
Storage Schedule							
Export Recordings							
File Settings							
Export Format							

2. Find the device ID on the product label and enter it into the blank, then click Add.

	Add by Device ID	×
Please find the	device ID on the device.	
	Ptp-link   SSE   SSE   Device ID:XXXX-XXX-XXXX-XXXX	
Device ID	For example: A1234 1111 2222 3333	
		Add

3. Enter the password of your device and click Verify.

	Add Device	×
U Verify Dev	vice 2 Complete	
Please enter verification.	the password of the device for	
Username	admin	
Password	\$	<i>i</i>
Port Number	80	
		Verify

#### Note:

• For the camera with no password, you need to set a password and a password reset email to enhance the security before adding it.

1 device	(s) has no password. Please set a		
passwor	d to enhance the security.		
Username:	admin		
Password:			
	New Password	ø	
Confirm			
Password:	Confirm New Password	ø	
December 10	-		
Email:	Please enter your Email addres	s 🕐	

Username	Displays the username of the camera.
Password	Set the password of the camera.
Confirm Password	Confirm the password of the camera.
Password Reset Email	Set the email address for resetting the camera's password.

- For the NVR that has not been used, create a login password on NVR itself and set it up first before adding it.
- 4. Click OK. The device is now bound to your TP-Link ID.

	Add Device	<b>;</b>	×
Verify Device	2 Complete		
< Added			
		ОК	



## **TP-Link ID Management**

TP-Link ID can be used to view the Live View video and manage the devices remotely in multiple platforms. In VIGI Security Manager, you can log in with your TP-Link IDs and manage the devices bound to them. This chapter contains the following sections:

- Log In with Your TP-Link ID
- Manage Your TP-Link ID
- Change the Password
- Log Out the TP-Link ID

### ◆ 3.1 Log In with Your TP-Link ID

You can log in to VIGI Security Manager with multiple TP-Link IDs and switch the login account whenever you want. After you logging in, the NVR can manage the devices bound with the logged TP-Link ID only.

Note:

- If you have added local devices to the manager, a window will pop up after login. If you want to manage them via cloud services, click **Bind** to bind them with the logged TP-Link ID in batch; if not, click **Cancel**.
- After login, the recording, storage and playback are not available for the cameras managed by VIGI Security Manager.

#### Log In

When no account is logged in, follow the steps below.

1. Click Please log in. on the top-right corner and enter your TP-Link ID and password. You can enable Auto Login to allow the utility to remember your account and log in automatically when switching it as the logged account. Click Log In.

Lo	g In
Note: You' II need to a again after the login.	add the local device(s
Email (TP-Link ID)	) ~
Password	ø
Auto Login	Forgot Password?
Lo	og In
Sig	n Up

2. (Optional) Specify the description for the account. Click Save.

	Add Description		×
TP-Link ID	techwriter@tp-link.com.cn		
Description	TP-Link TechWriter Team		
	When there are many TP-Link IDs, the description can help you distinguish TP- Link ID. Descriptions are only saved locally.		
	Skip	Save	

To log in with a new TP-Link ID, click the TP-Link ID on the top-right corner, click Add TP-Link ID, and then repeat the above steps.

Ptp-link   VIGI	u 🗉 🌣 📀	– 🗆 ×
Live View Playback Settings	TP-Link Te	chWriter Te… 🗸
	TP-Link TechWi	riter Team-VIGI
	Add TP-Link II	)
	Manage TP-Link	t ID
	Change Passwoi	:d
	Log Out	
< 4-Screen > LQ	Q• 🔳	

#### Switch the Logged TP-Link Account

To switch the logged TP-Link account, click the TP-Link ID on the top-right corner and select an account from the drop-down list. If you have enabled Auto Login for this account, wait for switching. If not, enter the password to log in.

TP-Link Support Team 🗸
TP-Link TechWriter Team-VIGI TP-Link Support Team_Headqu
Add TP-Link ID Manage TP-Link ID
Change Password Log Out

## ✤ 3. 2 Manage Your TP-Link ID

On the Account Management panel, you can update the account information, change the order displayed on the top-right corner, and delete the account.

Note: The account that you log in with right now cannot be deleted. To delete it, switch the logged account first.

Follow the steps to manage your TP-Link ID.

1. Click the TP-Link ID on the top-right corner and click Manage TP-Link ID.

2. In the pop-up window, select an account, enter the new account information, and click **Save**. Use the icons to adjust the displayed order and delete the account.



Password	If you changed your password on another device, enter the new password here to pass the authentication and log in automatically.
Description	Specify the description of this account. The description is only saved locally.
$\uparrow \downarrow$	Click to adjust the displayed order of the account.
Ē	Click to delete the account.

### ✤ 3.3 Change the Password

To change the password of a TP-Link ID, log in with the TP-Link ID first. Click the TP-Link ID on the topright corner and click **Change Password**. Enter the current password and specify a new password. Click **Save**.

	Change Password		×
Old Password	Old Password	ø	
New Password	New Password	ø	
Confirm New Password	Confirm New Password	ø	
	Save		

## ✤ 3.4 Log Out the TP-Link ID

To log out the current account, click the TP-Link ID on the top-right corner and click Log Out.





## **Live View**

In Live View, you can monitor the channels in real time and respond to abnormal conditions with quick operations, such as starting recording and zooming in the image. This chapter contains the following sections:

- Configure the Screen Layout
- Configure Live View Settings
- Add and Manage Groups

## ✤ 4.1 Configure the Screen Layout

#### 4. 1. 1 Enable/Disable Live View

VIGI Security Manager displays the videos of each channel via several screens. Follow the steps below to flexibly enable or disable Live View function on channels to play the real-time video.

#### Enable/Disable Live View for a Channel

To enable Live View for a single channel, click a screen in Live View and click the channel on the right panel.



To disable Live View for a single channel, click a screen in Live View and click 🔀.

#### Enable/Disable Live View for Channels in Batch

For the cameras managed by the NVR or added to a group, you can enable or disable Live View for channels in batches. To create groups, refer to 4. 3 Add and Manage Groups.

Right click an NVR or group on the right panel and click **Enable Live View for All Channels**. Then, Live View will be enabled on all channels that are managed by the NVR or added to the group.



To disable Live View in batches, right click an NVR or group on the right panel and click **Disable Live View for All Channels**.

#### 4.1.2 Rearrange the Layout

The manager supports ten layout modes, and each mode displays different numbers of screens. Click 4-Screen > to select a layout mode and click 1/16 > to change the page.



For the layout mode with multiple screens, you can change the location of a channel by clicking and dragging it to another location. To view a channel in the full screen, double click it. Double click it again to go back to multi-screen layout mode.
# ✤ 4.2 Configure Live View Settings

### 4. 2. 1 Configure Live View Settings via Toolbar

Click a screen in Live View and click the following icons to configure Live View settings, such as screenshot, digital zoom, and switching.



HQ	Click to switch between high quality (HQ) and low quality (LQ) for Live View.
	(Only for certain cameras) Click to turn on or off the volume.
Ø	Click to take a screenshot. To show the screenshot in the folder, click 🖿 at the top right corner. To change the path where the screenshots are stored, refer to <u>6. 4 File Settings</u> .
01	Click to start/end the recording manually. To show the recording in the folder, click at the top right corner. To change the path where the recordings are stored, refer to <u>6. 4 File Settings</u> .
4 <b>*</b>	(Only for the camera with Pan&Tilt) Click to enter the Preview of Pan&Tilt. You can adjust the camera location and call the presets.

Ŷ	(Only for cameras with microphone) Click the icon and then hold 💽 to talk. With this function, your can talk to people in the monitor area in real time.
⊕	Click the icon to turn your cursor into a magnifying glass. To zoom in, scroll up the mouse wheel or left click on the screen. To zoom out, scroll down the mouse wheel or right click on the screen.
- ÇJ	Click to start Switching, whereby the manager turns pages in Live View regularly if the channels are displayed in more than one page. Click to end Switching. If you want to change the switching interval, click the triangle and then enter the value or drag the pointer.
	Click to view the video in full screen,

### 4. 2. 2 Configure Live View Settings for a Single Camera

Right click a single camera on the right panel to configure the aspect ratio, delivery, stream and quality of its channel.



Ratio Click to adjust aspect ratio. If you select 100%, the screen will automatically adjust the ratio to fit the size of VIGI NVR Manager.

Delivery	Click to specify the channel as a unicast or multicast channel. For detailed configurations, refer to 7.6.5 Configure Multicast (Only for Cameras).
Stream	Click to apply mainstream or substream to this channel, which may influence the video quality and fluency in Live View.
	To view and configure Stream settings, refer to 7. 4. 1 Configure Stream Settings.
Quality	Click to change the video quality of Live View into high quality (HQ) or low quality (LQ).

## ✤ 4.3 Add and Manage Groups

#### 4.3.1 Add Groups

Main groups and subgroups are used to classify the channels for easier management. You can enable or disable Live View for channels in the group simultaneously.

**Note**: When enabling or disabling Live View based on groups, this operation is not applied to the subgroups.

Follow the steps below to add groups.

#### Add a Main Group

To add a group, click **Group** and then click **I** on the right panel. Enter the group name, select channels listed in Available Channels, and click **Add**. Click **Up** or **Down** to adjust the display order, or click **Remove** to remove the channel from the group. Click **Confirm** to add the main group.

	Ado	d Group		
Gro	oup 1			
Q			Channels in Subgroup 1 selected.	2
			🗌   VIGI NVR-Channel 1-TP-Link Camera 1	
2			V 9 TP-Link Camera 3	
			VIGI NVR-Channel 3-TP-Link IPC	
	→	Add		
	+	Remove		
	Ť	Up		
	Ļ	Down		
			Confirm	
	Gra Q 2	Group 1 Q 2 → ← ↑	Group 1 Q 2 2	Group 1         Q <ul> <li>Channels in Subgroup</li> <li>1 selected.</li> <li>Q</li> <li>VIGI NVR-Channel 1-TP-Link Camera 1</li> <li>Q</li> <li>Q</li> <li>TP-Link Camera 3</li> <li>Q</li> <li>VIGI NVR-Channel 3-TP-Link IPC</li> </ul> <li> <ul> <li>Add</li> <li>Remove</li> <li>Up</li> <li>Down</li> </ul> </li>

#### Add a Subgroup

To add a subgroup, click **Group** and right click a group on the right panel. Click **Add Subgroup** and enter the name. Then, you can drag the channel in the main group to the subgroup.



### 4. 3. 2 Manage Groups

#### Manage Channels in the Group

To move a single channel to other groups or change its order in the list, drag the channel and move it.

To manage the channels, click **Group** and right click a group on the right panel. Click **Manage Group Channels**. Select the channels to add, remove or reorder them in the group. Click **Confirm**.



#### Rename the Group

To rename a group, click **Group** and right click the group on the right panel. Click **Rename** and enter the name.



#### **Delete the Group**

To delete a group, click **Group** and right click the group on the right panel. Click **Delete**.



Playback

This function allows you to play the history recordings and edit them, such as taking schreenshots and exporting clips. You can easily find the recordings based on the channel, date, and recording types. This chapter contains the following sections:

- Playback the Recordings
- Playback Operations

# ✤ 5.1 Playback the Recordings

Follow the steps below to start playback.

1. Click Playback on the top, and then click an NVR to select the channels from the right panel. Click Apply.

**Note**: All the cameras managed by VIGI Security Manager directly are listed under the virtual NVR, and you can play the recordings of them only when the host manages them locally.



2. Select the date from the calendar. The blue points on the calendar mean that the channels have recordings on that day.



3. (Optional) Select the recording types by clicking the checkboxes of **Continuous Recording** and **Motion Detection Recordings**.

# ✤ 5. 2 Playback Operations

In Playback, you can use the toolbar and time bar at the bottom to adjust the display, edit and export the recordings.

## 5. 2. 1 Basic Playback Operations



₩	Click to rewind the recording. Click again to stop.
▶	Click to fast forward the recordings. Click again to stop.
∃D►	Jump forward by 30 seconds.
1x 👻	Select from the drop-down list to change the playing speed.
Ð	Click the icon to turn your cursor into a magnifying glass. Scroll up/down the mouse wheel on the screen to zoom in/out.
	Click to turn on or off the volume.
۵	Click to take a screenshot. To open the saved path, click at the top right corner. To change the saved path, refer to <u>6. 4 File Settings</u> .
0	Click to start/end the recording manually. To open the saved path, click at the top right corner. To change the saved path, refer to <u>6. 4 File Settings</u> .

I)

Click to display/hide the channel number in Playback.

### 5. 2. 2 Edit Recordings

Follow the steps below to clip video files.

1. In Playback, specify a channel and date to list the recordings in the time bar. Click M.





2. Move on the time bar, or enter the start time and end time below to adjust the recording length. On the time bar, scroll up or down the mouse wheel to expand or contract the time line. Click Export.

 Edit
 ×

 Image: constrained on the set of the set of

### 3. Select an export format and click Export.

**Note**: This window will not pop up if you click **Remember and don't ask again** or set the export format in Settings. For details, refer to <u>6.5 Export Format</u>.



# **Recording and Storage**

This chapter guides you on how to export recordings and configure recording and storage settings for your cameras. VIGI Security Manager allows you to set recording schedule templates and apply these templates to different cameras. You can also check and configure the storage settings for recordings and exported files. This chapter includes the following sections:

- <u>Arrange Schedules for a Single Camera</u>
- Storage Management
- Export Recordings
- File Settings
- Export Format

# ✤ 6.1 Arrange Schedules for a Single Camera

Storage schedule section provides convenience and flexibility for the daily monitoring of your devices. You can enable and customize the recording schedule and storage settings for a single camera. Go to Settings > Storage Schedule to modify these settings.

**Note:** If you have logged in to your TP-Link ID, you can not arrange schedules for cameras. To modify these settings, log out of your TP-Link ID and manage devices locally.

								¢0 –	ъх
				Playback Settings			•		
Device	Schedule				 Filter	Batch Operation	🖾 Edit Sche	dule 💍 Ref	fresh
Device List	TP-Link Camera 3	Record on Computer 24/7 Recording	r	Recording					
Firmware Update									
Storage Schedule									
Storage Management									
Export Recordings									
File Settings									
Export Format									

<b>i</b> Filter	<ul><li>Record on Computer: Displays the cameras whose recordings are stored in the computer.</li><li>Record on SD Card: Displays the cameras whose recordings are stored in the SD card.</li></ul>
Batch Operation	Enable/Disable record on your computer for all cameras.
🖾 Edit Schedule	Click to edit schedule templates for recording.
🖑 Refresh	Click to refresh the camera list.

### 6. 1. 1 Customize Schedule Template

Recording schedules include 4 fixed templates and 4 custom templates. In **Storage Schedule**, click **Edit Schedule** on the top right to enter **Edit Schedule Template**.

#### 24/7 Recording

24/7 Recording allows your camera to record continuously all the time.

Ptp-link   VIGI															
									layback	Settin	gs				
	← Schedule > Edit S	chedule	Template												
Device List	Edit Schedule														
Firmware Update	24/7 Decembra	24/7			4.01						<u> </u>				
	24/7 Recording	24/1	Motion L	Detection	12h V	Veeкday К	ecording	24n \	Veekend	Recording	Custo	m 1	Custom2	Custom 3	Custom 4
Storage Schedule	Continuous Reco	ording	🔘 Moti	on Detecti	on Fixe	ed template.	Unable to	edit.							
Storage Management		0	2	4	6	8	10	12	14	16	18	20	22	24	
Export Recordings	Mon														
File Settings	Tue														
Export Format															
	Wed														
	Thu														
	Friday														
	Sat														
	Sun														

#### 24/7 Motion Detection

24/7 Motion Detection allows your camera to record when motion detection is triggered.

₽tp-link   VIGI		
	Live View Playback Settings	
Device	← Schedule > Edit Schedule Template	
Device List	Edit Schedule	
Firmware Update Storage	24/7 Recording 24/7 Motion Detection 12h Weekday Recording 24h Weekend Recording Custom 1 Custom 2 Custom 3 Custom 4	
Storage Schedule	Continuous Recording   Motion Detection Fixed template. Unable to edit.	
Storage Management	0 2 4 6 8 10 12 14 16 18 20 22 24	
Export Recordings	Mon	
File Settings	Tue	
Export Format	Wed	
	Thu	
	Friday	
	Sat	
	Sun	

#### 12h Weekday Recording

12h Weekday Recording allows your camera to record continuously from 8:00 to 20:00 on weekdays.

₽tp-link   VIGI															
									Playback		ngs				
Device	← Schedule > Edit	Schedule	e Template	Ð											
Device List	Edit Schedule	,													
Firmware Update		24.5			126	Weekda	av Decordin				<u> </u>				
Storage	24/7 Recording	24/1	/ Motion	Detection	n 12n	Weekaa	ay Recordin	g 24r	weekend	a Recording	g Cust	om 1	Custom2	Custom 3	Custom 4
Storage Schedule	Continuous Red	cording	O Mo	tion Detec	tion Fi	xed temp	late. Unable t	o edit.							
Storage Management		0	2	4	6	8	10	12	14	16	18	20	22	24	
Export Recordings	Mon														
File Settings	Tue														
Export Format															
	Wed														
	Thu														
	Friday														
	Sat														
	Sun														

#### 24h Weekend Recording

24h Weekend Recording allows your camera to record continuously all day on weekends.

										back	Setti	ngs					
	← Schedule > Edit	t Schedule	- Template														
Device List	Edit Schedule	è															
Firmware Update	24/7 Recording	24/7	Motion	Detection	12	h Weekda	v Recording	<b>n</b> 24	lh Wee	ekend f	Recording	L Cus	tom 1	Custom?	Custom 3	Custom 4	
Storage		2-1/1	Woton	Detection	121	TWEERdd	ynecorainę	9 -				Cus		customz	custom s	custom 4	
Storage Schedule	Continuous Re	cording	O Mot	ion Detect	ion I	Fixed templ	ate. Unable t	o edit.									
Storage Management		0	2	4	6	8	10	12		14	16	18	20	22	24		
Export Recordings	Mon																
File Settings	Tue																
Export Format																	
	Wed																
	Thu																
	Friday																
	Sat																
	Sun																

#### Custom Schedule

You can customize the recording schedule according to your needs. For example, the camera will record based on a schedule of motion detection from 5:00-16:00 on weekdays; On weekends, the camera will record continuously from 1:30-23:00. Follow the steps below to finish the configuration.

- 1. Select a custom template (custom 1).
- 2. Click Motion Detection and drag the cursor on time bar to set 5:00 to 16:00 for continuous recording from Monday to Friday. The color of these rectangles will be changed to green.
- 3. Select **Continuous Recording** and drag the cursor to set 1:30 to 23:00 for motion detection recording on Saturday and Sunday. The color of these rectangles will be changed to blue. To enter the start and end time manually, click the time bar to select a rectangle first, then click the rectangle again.

Live View Playback Settings
← Schedule > Edit Schedule Template
Edit Schedule
24/7 Recording 24/7 Motion Detection 12h Weekday Recording 24h Weekend Recording Custom 1 Custom 2 Custom 3 Custom 4
Continuous Recording O Motion Detection     Clear
0 2 4 6 8 10 12 14 16 18 20 22 24
Mon
Tue
Wed
Thu
Start Time         End Time           Friday         01 : 30 - 23 : 00         Confirm
Sat

4. Click Save.

### 6. 1. 2 Configure Storage Settings

If you have not enabled recording function when adding the camera to VIGI Security Manager, follow the steps below to configure the storage settings. If you have already enabled this function, you can skip this section.

#### 1. Click the camera you want from the list.

			u 🖷 🗘 🕢 — 🗆 🗙
		Playback Settings	Please log in.
Device	Schedule		≣ Filter Batch Operation I refresh
Device List	TP-Link Camera 3	Storage Schedule off.	
Firmware Update			
Storage			
Storage Schedule			
Storage Management			
Export Recordings			
File Settings			
Export Format			

2. Click Enable Record on Computer to configure storage settings.

Live View Playback Settings 🖬 Please log in.	
	Please log in.
Device List   Trumware Update   Storage   Storage Schedule   Storage Management   Export Recordings   File Settings   File Settings   Export Format     The Settings   Export Format     Confirm     The Settings     Export Format     The Settings     Export Format     The Settings     Export Format     The Settings     Export Format     Confirm     The Settings     Export Format     Confirm	

#### 3. Set the storage and recording settings.

Schedule	Click Change to customize the recording schedule of the camera on computer.
Storage Location	Click Browse to select the storage location of files.
Storage	Set the storage space for storing the recordings on your computer.
Enable Loop Recording	Click the checkbox to enable loop recording.
Resolution	Select the recording resolution. HQ and LQ refers to the high and low recording resolution respectively.

4. Click Confirm.

### 6.1.3 Configure Recording Schedule and View Storage Settings

You can check storage settings and apply the schedule templates to the cameras directly added to VIGI Security Manager.

**Note:** The recording schedule of camera set on VIGI Security Manager will not be synchronized if you add this camera to your NVR later.

To apply the recording schedule to the camera, follow the steps below:

- 1. Go to Settings > Storage Schedule, and click the camera you want to configure.
- 2. Enable Record on Computer.
- 3. Click 💵 Use Template to select the schedule template according to your needs.

**Note:** Only the cameras supporting motion detection function can apply the schedule of motion detection.

4. Set the storage and recording settings.

Storage Location	Displays the location where recordings are stored.			
	Click <b>Browse</b> to check the storage location of files.			
	Displays the assigned capacity for storing camera recordings.			
Storage	Click <b>Clear Recordings</b> to delete all the recordings stored on your computer.			
Enable Loop Recording	Displays the status of loop recording.			
Resolution	Select the recording resolution. HQ and LQ refers to the high and low recording resolution respectively.			

#### 5. Click Save.



# ✤ 6. 2 Storage Management

To check the storage settings of your cameras directly added to VIGI Security Manager, go to Settings > Storage Management.

**Note:** If you have logged in to your TP-Link ID, you can not modify storage settings. To modify these settings, log out of your TP-Link ID and manage devices locally.

				<b>U</b> :	
	Live View Pl	ayback Settings		-	Please log in.
Device	Storage Management				
Device List	Device	Storage Location	Total Storage Capacity	Enable Loop Recording?	
Firmware Update	TP-Link Camera 3	C:\Users\admin\Documents\T	2048 MB	Yes	Clear Recordings
Storage					
Storage Schedule					
Storage Management					
Export Recordings					
File Settings					
Export Format					

Device	Displays the name of camera.
Storage Location	Displays the location where recordings are stored.
Total Storage Capacity	Displays the capacity for storing recordings.
Enable Loop Recording	Displays the status of loop recording.
Clear Recording	Click to delete all the recordings stored on your computer.

# ✤ 6.3 Export Recordings

To export the recordings of the NVR and cameras according to your needs, go to **Settings > Storage > Export Recordings** and follow the steps below.

**Note:** If you have logged in to your TP-Link ID, you can not export recordings. To export recordings, log out of your TP-Link ID and manage devices locally.

#### Export Recordings From NVR

1. Select the NVR you want and specify the channel from the drop-down list, select date and recording type, then click **Search** to filter files.

		u 🖷 🌣 🛛 — 🗆	×
	Live View Playback Settings		
Device	Export Recordings		
Device List			
Firmware Update	Device VIGI NVR1008H(UN) 1.0 V Channel 1-TP-LINK IPC V		
Storage	Date         Today         Last 3 days         Last 7 days         Last month         Start Time         -         End Time		
Storage Schedule	Recording Type All Continuous Recording Motion Detection		
Storage Management	Search		
Export Recordings			

2. Select the recording files you want to export and click Z Export .

			0 file(	s) selected 🛛 🔀 Export	t 🛛 🖸 Export All
No. Device	Channel	Start Time	End Time	Recording Type	File Size
1 VIGI NVR	Channel2	2020-08-26 23:50:33	2020-08-26 23:50:37	Continuous Recording	228.18KB
2 VIGI NVR	Channel2	2020-08-26 23:50:37	2020-08-27 08:58:32	Motion Detection	885.65MB
3 VIGI NVR	Channel2	2020-08-27 08:58:32	2020-08-27 08:59:56	Motion Detection	2.95MB
4 VIGI NVR	Channel2	2020-08-27 08:59:56	2020-08-27 16:58:46	Motion Detection	1004.44MB
5 VIGI NVR	Channel2	2020-08-27 16:58:46	2020-08-27 21:22:49	Motion Detection	546.51MB
6 VIGI NVR	Channel2	2020-08-27 23:14:25	2020-08-27 23:23:35	Motion Detection	16.26MB

3. Click **Browse** to select the folder on your computer to store the exported files.

			Export			×
Export to	Computer	C:\Users\a	dmin\Documents\	TP-Link\VIGI Securi	t Browse	]
Export Mode	<ul> <li>Speed M</li> <li>Compatil</li> </ul>	ode bility Mode	Exporting in the or Transcode video	original video forma to H.264 (for variou	t is fast. Is digital	
File Format	MP4		products) before	exporting.		
				Export	Cancel	

4. Select the export mode.

Speed Mode: The export process is faster than that of compatibility mode.

Compatibility Mode: The exported recordings will be transcoded to H.264 which is compatible with

various digital products.

5. Click **Export** and the files will be successfully exported.

Export Recordin	gs		
I exported.			View Export
Recordings	Size	Progress	Operation
VIGI NVR (Channel 2-TP-Link Camera 2)_20200826235033-20200826	228.18KB	<ul> <li>Success</li> </ul>	
VIGI NVR (Channel 2-TP-Link Camera 2)_20200827085832-20200827	2.95MB	<ul> <li>Success</li> </ul>	

#### Export Recordings From Camera

1. Select the camera you want and the recording source from the drop-down list, select date and recording type, then click **Search** to filter files.

									¢0	o x
			Playback	Settings				•		
	Export Recordi	ngs								
Device List										
Firmware Update	Device	TP-Link Ca	imera	$\sim$						
	Recording Source	SD Card		~						
Storage Schedule	Date	Today	Last 3 days	Last 7 days	Last month	Start Time	- End Time			
Storage Management	Recording Type		All	Continuous	s Recording					
Export Recordings		Se	earch							

2. Select the recording files you want to export and click

					2 file(s) selected, t	total 0B 🜒 🔀 Expor	t 🔀 Export All
<ul> <li>Image: A second s</li></ul>	No. D	evice	Channel	Start Time	End Time	Recording Type	File Size
~	1	TP-Link Camera 3	-	2020-08-28 00:13:38	2020-08-28 00:13:38	Continuous Recording	1MB
~	2	TP-Link Camera 3	-	2020-08-28 00:14:21	2020-08-28 00:14:37	Continuous Recording	2MB

3. Click **Browse** to select the folder on your computer to store the exported files.

			Export		×
Export to	Computer	C:\Users\ac	dmin\Documents\TP-Link\VIGI Securit	Browse	]
Export Mode	Speed M	ode pility Mode	Exporting in the original video format Transcode video to H.264 (for various	is fast. digital	
File Format	MP4	inty mode	products) before exporting.	0	
			Export	Cancel	

4. Select the export mode.

Speed Mode: The export process is faster than that of compatibility mode.

**Compatibility Mode:** Transcode the exported recordings to H.264 which is compatible with various digital products.

5. Click Export, and the files will be successfully exported.

exported.			View Expor
Recordings	Size	Progress	Operation
IP-Link Camera 3_20200828001338-20200828001338_1.mp4	1 MB	Success	
IP-Link Camera 3_20200828001421-20200828001537_1.mp4	2 MB	<ul> <li>Success</li> </ul>	

# ✤ 6.4 File Settings

You can select the storage location for the screenshots, videos recorded in playback and video clips. Go to **Settings > Storage > File Settings** and click **Browse** to select the path. After you click **Save**, three folders, **Picture**, **Video** and **Cloud**, will be automatically created to store the corresponding files.

Ptp-link   VIGI			¢ 0	- 1	×
	Live View Playback Settings	-	Pleas	se log in.	
	File Settings				
Device List Firmware Update	Save to C:\Users\admin\Documents\TP-Link\VIGI Security Manager\ Browse				
Storage Storage Schedule Storage Management Export Recordings File Settings Export Format	After you take screenshots, record videos, or edit clips, folders will be automatically created by date under this path. The folders Picture: Save the screenshot. Video: Save recordings and clips. A folder named "Cloud" will be created automatically in this path. The cloud recordings downloaded will be saved to this folder. Cloud: Download cloud recordings. Save	includes			

# ✤ 6.5 Export Format

You can set the export mode in advance to simplify the export process.

Ask before each export	You should select the export mode every time before exporting files.
	Skip the pop-up window of export mode when exporting files. All the files will be exported using the selected mode.
Using the following mode	<b>Speed Mode:</b> The export process is faster than that of compatibility mode.
	<b>Compatibility Mode:</b> The exported recordings will be transcoded to H.264 which is compatible with various digital products.

					<b>\$ 0</b>	-	×
	Live View Playback	Settings		=	Please	log in.	
Device Export Form	nat						
Device List Firmware Update Storage Storage Schedule Storage Management Export Recordings File Settings Export Format	<ul> <li>Ask before each export</li> <li>Use the following mode</li> <li>Speed Mode</li> </ul>	~	Quickly export in the original video format.				

 $\overline{7}$ 

# **Configure Your Cameras and NVRs**

This chapter guides you on how to configure cameras and VIGI NVRs added to VIGI Security Manager. You can configure events on cameras, the information, display parameters and network settings of devices. For VIGI Security Manager, You can also check and configure system settings and upgrade its firmware. This chapter includes the following sections:

- View Device Information
- Configure Basic Information
- Configure Display Information
- Configure Video
- Configure Events (Only for Cameras)
- Configure Network Settings
- Cloud Service
- <u>Configure System Settings</u>
- Upgrade the Firmware
- Remove Devices

# ✤ 7.1 View Device Information

In Device List, all devices added to VIGI Security Manager are listed. If you have logged in with your TP-Link ID, only the devices bound with the TP-Link ID are listed.

					u 🖷 💠 😧 — 🗆 ×
		Playback Settings		=	
Device	My Devices Discovered Device	s			
Device List	Q Device Name				🖑 Refresh 🛅 Delete
Firmware Update	Device Name	Status	IP Address	MAC Address	Operation
Storage	VIGI NVR1008H(UN) 1.0	Online	Remote Device	D8-07-B6-C0-1B-E4	8 0
Storage Schedule	📄 💇 TP-Link Camera	Online	Remote Device	60-32-B1-5F-2C-B5	8 0
Export Recordings					
File Settings					
Export Format					

Device Name	Displays the device name.
Status	Displays the connection status. If the device is offline, hover your cursor on and follow the instructions for troubleshooting.
IP Address	Displays the IP address of the device when the device is in the same subnet with the manager host. When the device is not in the same subnet, <b>Remote Device</b> is displayed.
MAC Address	Display the MAC address of the device.
Operation	<ul> <li>Click to view more information of the device. For all managed NVRs and cameras, you can view their information in Device List. For cameras, you can also view system logs to monitor them.</li> <li>Click to configure the device functions, such as display information,</li> </ul>

### 7. 1. 1 View Device Information

Go to Settings > Device List > My Devices and click in the list. Click Device Info. The following information are listed in the window.

Device Information TP-Link Camera	Q	×
System Logs	Device Information	
Device Info	Device Information	
	System Time: 2020-09-17 00:38:55	
	Model: VIGI C300HP-4	
	Device Name: TP-Link Camera	
	Firmware Vers 1.0.1 Build 200529 Rel.58651n	
	Network Information	
	IP Address: 10.0.0.4	
	MAC: 3C-84-6A-AF-96-50	
	Stream Info	
	Resolution: 2304*1296	
	Bit Rate: 20	
	Device QR Code	

Device Information	Displays the system time, device model, device name, and firmware version.
Network Information	Displays the IP address and MAC address of the device. If the manager does not display the IP address, check the network and try again later.
Stream Info	(Only for cameras) Displays the resolution and bit rate.
Device QR Code	Display the QR code. You can scan it to add the device to VIGI app.

### 7. 1. 2 View System Logs (Only for Cameras)

System Logs are used to record the messages of cameras. To view system logs, go to Settings > Device List > My Devices and click I in the list. Click System Logs on the left. Select a time range and click Search. The logs recorded in the time range will be listed in the table.

Device Information TP-Link Camera	Q	×
System Logs Device Info	System Logs         From:       2020       9       10       0       34       43         To:       2020       9       17       0       >       34       43         Activity:       All       ~              Search <td><ul> <li>✓</li> <li>✓</li> </ul></td>	<ul> <li>✓</li> <li>✓</li> </ul>
	Time         Activity           09/16/2020         19:40:04         Switch to NIGHT (ILMN_236 < d2n[4]_1525)	1/1 > >1

If needed, you can click Clear to delete all the logs.

# ✤ 7.2 Configure Basic Information

You can modify the device name and channel name (only for NVR) in Basic Information. For local devices, you can also modify the password.

Note: To modify the password, log out the TP-Link ID first.

Go to Settings > Device List > My Devices and click in the list. Click Basic Information. To modify the name, enter the name and click Save. To modify the password, click Modify, enter the password and email address, and click Confirm.

			VIGI NVR1008H(UN) 1.0	×
	Basic Information	Basic Informatio	n	
Þ	Display Information	General		
•	Video Network Settings	Device Name	VIGI NVR1008H(UN) 1.0	
	Cloud Service	Channel 1 Name	TP-LINK IPC	
Þ	System Settings		Save	
		Account Information		
		Password	Modify	

# ✤ 7.3 Configure Display Information

In Display Information, you can configure the image effects, specify the privacy areas, and decide the information to display on the screen.

### 7. 3. 1 Configure Image Effects

In Image, you can configure the parameters and functions to adjust the image effects.

Follow the steps below to configure image settings.

- Go to Settings > Device List > My Devices and click <sup>(2)</sup> in the list. Go to Display Information > Image.
- 2. Configure the parameters and functions.

### • For cameras, configure the following parameters and functions.

	TP-Link Camera		×			
Basic Information		Image				
<ul> <li>Display Information</li> </ul>		Mirror	Off ~			
Image		Day/Night Switch	Off ~			
Privacy Mask		Brightness	50			
OSD		Contract	50			
▶ Video		Contrast	30			
Event		Saturation	50			
Network Settings		Sharpness	50			
Cloud Service		Exposure				
system settings		Exposure	Auto ~			
		Exposure Scale	0 ~			
		Prevent overexposure	to infrared light			
		Prevent overexposure	Standard Mode			
Day/Night Switch	Select a mirror mode. When you select <b>On</b> , the image displays normally. Select a method to switch the image settings of day and night. If you select <b>Auto</b> or <b>Scheduled</b> , click the Day/Night tab and configure the settings respectively. Off: The camera applies the same image settings in a day. <b>Auto</b> : The camera switches the image mode of day and night					
	<b>Scheduled</b> : The camera switches the in at specified time. If you select this me specify the switch time.	nage mode c thod, adjust	of day and night the slide bar to			
Brightness	Adjust the brightness of image. The im value increases.	age gets bri	ghter when the			
Contrast	Adjust the contrast of image. The image the value increases.	contrast gets	s stronger when			
Saturation	Adjust the saturation of image. The cold the value increases.	or of image g	ets richer when			
Sharpness	Adjust the sharpness of image. The im value increases.	age gets sh	arper when the			

Exposure	Select a exposure mode.
	<b>Auto</b> : The camera adjusts the exposure automatically. If you select Auto, specify the exposure scale. The image gets brighter when the scale increases.
	Manual: The image exposure is fixed. If you select Manual, adjust the slide bar of Gain to specify the exposure gain, and select a shutter speed. The image gets brighter when the gain increases or the shutter speed gets slower.
Prevent Overexposure to infrared light	Select a mode to prevent overexposure to infrared light when objects get close to the camera at night. If you select <b>Manual</b> , adjust the slide bar to specify an exposure scale.
Infrared Light	Select a mode to decide the usage of infrared light. The available options vary due to the mode you select in Day/Night Switch.
	<b>Auto</b> : The camera enables the infrared light automatically when it detects the environment turns dark, and disables when the environment is bright enough.
	Specify <b>Sensitivity</b> to decide the light intensity that can trigger the switch of infrared light. The infrared light is easier to be triggered when the sensitivity decreases.
	Enter <b>Delayed Switch</b> to decide how long the camera waits to enable or disable the infrared light when the environment reaches the light condition.
	<b>Scheduled On/Off</b> : Specify the time to enable and disable infrared light.
	Always On/Off: The camera enables/disables the infrared light all the time.
WDR	WDR (Wide Dynamic Range) can improve the image effects in backlit scenes. If you select On, the camera balances the light of the brightest and darkest areas automatically.
BLC Area	BLC (Backlight Compensation) can clear the dark area of the video. Select a position and the camera adjusts the exposure based on the light intensity in the area.

White BalanceSelect a mode and the camera will adjust the color temperature to<br/>display the image approximated to the realistic vision effects.Auto: The camera adjusts the color temperature automatically.Daylight/Natural Light/Incandescent/Warm Light: The camera<br/>adjusts the color temperature to remove the color casts caused by<br/>the corresponding light.Current: The camera keeps the current color settings all the time.

**Custom**: Adjust the slide bar to configure the color temperature, and the camera keeps the settings all the time.

#### For NVR, select a channel and configure the following parameters.



Brightness	Adjust the brightness of image. The image gets brighter when the value increases.
Contrast	Adjust the contrast of image. The image contrast gets stronger when the value increases.
Saturation	Adjust the saturation of image. The color of image gets richer when the value increases.
Sharpness	Adjust the sharpness of image. The image gets sharper when the value increases.

If you want to reset to the default settings, click Reset.

#### 7. 3. 2 Configure Privacy Mask

In Privacy Mask, you can set privacy area in the image. The area cannot be recorded and monitored.

Follow the steps below to configure Privacy Mask.

- Go to Settings > Device List > My Devices and click in the list. Go to Display Information > Privacy Mask.
- Enable Privacy Mask, select a channel (only for NVR), and draw the privacy areas on the preview screen (the dark squares in the picture below). Use the mouse to adjust the size and location of areas. To remove a certain privacy area, select it and click Delete. To remove all privacy areas, click Clear.



3. Click Save to finish the configuration.

If you want to reset to the default settings, click Reset.

#### 7. 3. 3 Configure OSD

In OSD, You can configure OSD (On Screen Display) to edit the information displayed in Live View and recordings.

Follow the steps below to configure OSD.

1. Go to Settings > Device List > My Devices and click 😳 in the list. Go to Display Information > OSD.
2. Select a channel from the drop-down list (only for NVR), configure displayed information and display effects. Click and drag the information in the preview screen to adjust the place. Click **Save**.

	TP-Link Camera			>
Basic Information		OSD		
Display Information		Display Info		
Image		Date	2020-09-20 20:44:22	
Privacy Mask		🗸 Day	Monday	
OSD	Monday	Channel	TP IPC	
Video		Note 1	Custom 1	
Event		Note 2	Custom 2	
Network Settings		Display Effect	Opaque, not blinking	~
Cloud Service		Font Size	Adaptive	~
System Settings		Font Color	Default	~
		Save	Reset	
Date/Day	Click to display or hide the time information.			

Date/Day	Click to display or hide the time information.
Channel	Click the checkbox and enter the channel name to be displayed.
Note 1/2	(Only for cameras) Click the checkbox and enter the note to be displayed.
Display Effect	Select a display effect to display the information.
Font Size/Color	(Only for cameras) Select the font size and color of displayed information.

If you want to reset to the default settings, click Reset.

# ✤ 7.4 Configure Video

The NVRs and cameras supports two stream levels, main stream and substream, which determine the video parameters of live view and playback, such as resolution, image quality and so on. You can configure the stream settings and apply them to the NVR and cameras added to VIGI Security Manager. For cameras directly added to VIGI Security Manager, you can draw an area for your special concern and the image quality of this area will be better.

## 7.4.1 Configure Stream Settings

Stream settings can be adjusted to increase or decrease recording resolution and fluency. They also impact recording file size and available recording bandwidth. To select the main stream or substeam, go to Live View, right click the camera in the device list or the Live View screen, and click **Stream**.

Follow the steps below to configure the stream settings.

3. Go to Settings > Device List > My Devices and click <sup>‡</sup> in the list. Go to Video > Stream.

		TP-Link Camera	×
Basic Information	Video		
<ul> <li>Display Information</li> </ul>	Main Stream		
▼ Video	Resolution	2304*1296 ~	
Stream	Frame Rate	20 ~	
ROI	Smart Coding		
▶ Event	Bit Rate	VBR ~	
<ul> <li>Network Settings</li> </ul>	Image Quality	Medium ~	
Cloud Service	Max. Bit Rate	3072 ~	
<ul> <li>System Settings</li> </ul>	Encoding	H.265 ~	
	Encoding	H.265 V	

4. Configure the parameters of main stream and substream based on your needs.

Resolution	Specify the resolution of the video stream. The screen displays images more clearly when the resolution increases.
Frame Rate	Specify the frame rate of videos. The video is more fluent when the rate increases.
Smart Coding	Enable Smart Coding to improve compression performance. The size of recording files will be smaller and recordings will use less bandwidth.
Bite Rate	Select a type of bit rate. VBR: The bit rate changes with the image within Maximum Bit Rate. CBR: The bit rate is Maximum Bit Rate all the time.
Image Quality	When VBR selected as the bit rate type, set the video quality as high, medium, or low.
Max. Bit Rate	When VBR selected as the bit rate type, specify the upper limit of bit rate.
	When CBR selected as the bit rate type, specify the bit rate.

Select the encoding type of the stream. Compared with H.264, H.265 is improved in reducing the file size and saving the bandwidth.

5. Click Save.

### 7.4.2 Configure ROI (Only for Cameras)

In ROI (Region of Interest), you can configure the interest level of a specified area in each camera. The level ranks from 1 to 6, and the higher the ROI level, the better image quality.

1. Go to Settings > Device List > My Devices and click 🔅 in the list. Go to Video > ROI.



- 2. Enable ROI.
- 3. Select the stream type and draw an area on the preview screen (the yellow square in the picture above). Use the mouse to adjust the size and location of areas.
- 4. Specify the ROI level and click Save.

# ✤ 7.5 Configure Events (Only for Cameras)

VIGI Security Manager allows you to configure the event settings for cameras to detect different types of events. You cameras monitor the user-defined areas and you'll be automatically alerted to any suspicious activity in your home and office.

It is recommended to bind the cameras to your TP-Link ID and log in to your TP-Link ID on VIGI Security Manager before setting the events. To bind your devices, go to **Settings > Device List > My Devices** 

and click 🜣 in the list. Then go to **Network Settings > Cloud Service**. You can receive alerts on your phone after you download VIGI app and log in with your TP-Link ID.

### 7. 5. 1 Configure Basic Events

#### Motion Detection

Motion detection allows cameras to detect the moving objects in the monitored area and triggers alarm actions. You can draw the monitored areas and customize the motion detection settings. Follow the steps below to finish the configuration.

1. Go to Settings > Device List > My Devices and click 🌣 in the list. Go to Event > Basic Event.



- 2. Click Motion Detection on the top right and enable Motion Detection.
- 3. Adjust the sensitivity of motion detection. A higher value can trigger the motion detection more easily.
- 4. Draw the areas on the preview screen. If you click **Full Area**, the entire live view screen will be selected.
- 5. Click Save.

#### Camera Tampering

Camera tampering is triggered when an area of camera's lens is blocked, obstructed or vandalized. You can customize the camera tampering settings. Follow the steps below to finish the configuration.



#### 1. Go to Settings > Device List > My Devices and click <sup>‡</sup> in the list. Go to Event > Basic Event.

- 2. Click Camera Tampering on the top right and enable Camera Tampering.
- 3. Adjust the sensitivity of camera tampering. A higher value can trigger the camera tampering more easily.
- 4. Click Save.

### 7.5.2 Configure Smart Events

#### Line Crossing Detection

Line crossing detection is triggered when cameras detect that moving objects cross a customized virtual line. You can customize the line crossing detection settings and set the schedule for them to take effect. Follow the steps below to finish the configuration.



#### 1. Go to Settings > Device List > My Devices and click <sup>©</sup> in the list. Go to Event > Smart Event.

2. Click Line Crossing Detection on the top right and enable Line Crossing Detection.

3. Click **Schedule**. Click the time bar and enter the start time and end time manually. Click **Save** to save the week schedule for line crossing detection.



4. Draw lines on the preview screen. Select the area and configure its settings. The maximum number of customized lines is 4.

Sensitivity	Set the sensitivity of line crossing detection. A higher value can trigger the line crossing detection more easily.
	<b>A-&gt;B:</b> Only the object crossing the configured line from the A side to the B side can be detected.
Direction	<b>A&lt;-B:</b> Only the object crossing the configured line from the B side to the A side can be detected.
	A<->B: The object goes across the configured line with both directions can be detected.

5. Click Save.

#### Area Intrusion Detection

Area intrusion is triggered when the camera detects an intrusion in the specified areas. You can customize the area intrusion settings and set the schedule for them to take effect. Follow the steps below to finish the configuration.

	TP-Link Camera		×
Basic Information <ul> <li>Display Information</li> <li>Video</li> </ul>		<ul> <li>Line Crossing Detection</li> <li>Area Intrusion Detection</li> <li>Area Intrusion Detection</li> <li>Schedule</li> </ul>	
Event     Basic Event     Smart Event     Exception Event		Area 1 Sensitivity	Delete 50
<ul> <li>Network Settings</li> <li>Cloud Service</li> </ul>		Duration Area 2	3 🛊 1-10s Delete
<ul> <li>System Settings</li> <li>Basic Settings</li> </ul>	Please draw the detection areas.	Sensitivity	50
Reset Reboot		Duration Save	0 💽 1-10s 🗸

1. Go to Settings > Device List > My Devices and click <sup>©</sup> in the list. Go to Event > Smart Event.

- 2. Click Area Intrusion on the top right and enable Area Intrusion.
- 3. Click **Schedule**. Click the time bar and enter the start time and end time manually. Then click **Save** to save the week schedule for area intrusion detection.



4. Draw areas on the preview screen. Select the area and configure its settings. The maximum number of customized areas is 4.

Sensitivity	Set the sensitivity of area intrusion detection. A higher value can trigger the area intrusion detection more easily.
Percentage	The area detection will be triggered when the ratio of the size of intrusive object to the intrusion area reaches the percentage.
Duration	Set the time for detecting the intrusion of objects. The interval should be no more than 10 seconds.

5. Click Save.

## 7.5.3 Configure Exception Event

Exception event sets the maximum login attempts to protect the security of your cameras. VIGI Security Manager will be locked for 30 minutes if you enter the wrong password of your camera more than the specified attempts. Follow the steps below to finish the configuration.

1. Go to Settings > Device List > My Devices and click <sup>()</sup> in the list. Go to Event > Exception Event.



- 2. Enable Login Error Detection on the top right.
- 3. Set Max Login Attempts. The range is from 3 to 10.
- 4. Click Save.

# ✤ 7.6 Configure Network Settings

In Network Settings, you can configure the IP address, MTU (Maximum Transmission Unit). For cameras not managed by the NVR, you can also configure the management ports and enable advanced functions, such as Port Forwarding, IP Restriction and Multicast.

# 7. 6. 1 Basic and Advanced Network Configuration

In Network Configuration, you can configure the device to obtain an IP address automatically or assign a static IP address to it. If needed, you can also modify MTU.

Follow the steps below to configure the network.

- Go to Settings > Device List > My Devices and click in the list. Go to Network Settings > Configuration.
- 2. Configure basic settings to configure the IP address.
  - To assign a static IP address to the device, select **Static IP** as the mode and configure the following parameters.

	TP-Link Camera		×
Network Configu	uration		
Status •	Connected		
Basic Settings			
Mode	Static IP V		
IP Address	10.0.0.4		
Subnet Mask	255.255.252.0		
Gateway	10.0.0.1		
Preferred DNS	8.8.8.8		
Alternative DNS	8.8.4.4		
Advanced Settings			
MTU	1480		
Save			
	Network Configu         Status       •         Basic Settings       •         Mode       •         IP Address       •         Subnet Mask       •         Gateway       •         Preferred DNS       •         Alternative DNS       •         Advanced Settings       •         MTU       Save	Network Configuration   Status • Connected   Basic Settings   Mode Static IP   IP Address 10.0.0.4   Subnet Mask 255.255.252.0   Gateway 10.0.0.1   Preferred DNS 8.8.8.8   Alternative DNS 8.8.4.4   Advanced Settings   MTU 1480	Network Configuration   Status Connected   Basic Settings   Mode Static IP   IP Address 10.0.4   Subnet Mask 255.255.252.0   Gateway 10.0.1   Preferred DNS 8.8.8   Alternative DNS 8.8.4.4   Advanced Settings

IP Address	Specify an IP address for the device. The IP address should be in the same segment as the gateway; otherwise, the device cannot connect to the internet.
Subnet Mask	Enter the subnet mask.

GatewayEnter the IP address of the gateway device. This IP address<br/>should be in the same segment as the device's IP address.

**Preferred/Alternate DNS** Enter the IP address of the DNS server.

To configure the device to obtain a dynamic IP address, select **DHCP** as the mode.

TP-Link Camera 🗙			
Basic Information	Network Configu	Iration	
Display Information	Status •	Connected	
▶ Video			
▶ Event	Basic Settings		
<ul> <li>Network Settings</li> </ul>	Mode	DHCP ~	
Configuration	IP Address	10.0.0.4	
Port Number	Subnet Mask	255.255.252.0	
Port Forwarding	Gateway	10.0.0.1	
IP Restriction	Preferred DNS	8.8.8.8	
Multicast	Alternative DNS	8.8.4.4	
Cloud Service	Advanced Settings		
<ul> <li>System Settings</li> </ul>	MTU	1480	
	Save		

Note: A DHCP server (usually a router) is needed for the device to obtain a dynamic IP address.

- 3. (Optional) Specify MTU (Maximum Transmission Unit) to decide the largest size of data unit that can be transmitted in the network. A larger unit can transmit more data in each packet, but it may increase the network delay because it needs more time to transmit.
- 4. Click Save.

## 7. 6. 2 Configure Port Number (Only for Cameras)

In Port Number, you can configure the HTTP port, RTSP port and service port that can be used to access the camera through the network. Also, the ports configured here are used for communications of corresponding protocols.

To configure ports, go to Settings > Device List > My Devices and click 😳 in the list. Go to Network Settings > Port Forwarding. Configure the ports and click Save.

	TP-Link Camera	×
Basic Information	Port Number	
<ul><li>Display Information</li><li>Video</li></ul>	HTTP Port: 80	
▶ Event	RTSP Port:     554       Video Service Port:     8800	
<ul> <li>Network Settings</li> <li>Configuration</li> </ul>	Save	
Port Number		
Port Forwarding		
IP Restriction		
Multicast		
Cloud Service		
System Settings		
HTTP Port	Specify a port for HTTP protocol.	
RTSP Port	Specify a port for RTSP protocol.	
Video Service Port	Specify a port for protocols of video services.	

If you want to reset to default settings, click Reset.

### 7.6.3 Configure Port Forwarding (Only for Cameras)

Port Forwarding is used to establish the mapping between the internal port and external port. When Port Forwarding is enabled, you can access the device and watch the videos when accessing the external port remotely.

Note: The device should be connected to the internet, and Port Forwarding should be enabled on the gateway.

Follow the steps below to configure Port Forwarding.

 Go to Settings > Device List > My Devices and click in the list. Go to Network Settings > Port Forwarding. 2. Enable Port Forwarding and specify a mapping type. If you select **Auto** as the mapping type, the mappings are established automatically. If you select **Manual** as the mapping type, click <sup>C</sup> to specify the external port.

TP-Link Camera					×	
Basic Information	Port Forwarding					
<ul> <li>Display Information</li> <li>Video</li> </ul>	Port Forwarding:					
▶ Event	Forwarding Rule:	Manual		~		
Network Settings	Port Number	Internal Port	External Port	Internal IP	Status	
Configuration	HTTP	80	0	10.0.0.4	Disabled	ß
Port Number	RTSP	554	0	10.0.0.4	Disabled	ß
Port Forwarding	Video Service	8800	0	10.0.0.4	Disabled	ß
IP Restriction Multicast Cloud Service System Settings	Save	Reset				
Port Type	Displa	ys the proto	ocol type.			
Internal Port	Displa	ys the port (	of the device	e to be conv	erted.	
External Port	Displa	ys the exter	nal port ope	ned by the g	gateway.	
Internal IP	Displa	ys the IP ad	dress of the	device that	needs to be	converted.
Status	Displa	ys the statu	s of mapping	g.		

#### 3. Click Save.

With Port Forwarding enabled, you can remotely watch the videos with the URL rtsp://A.B.C.D:Port/ streamN, for example, <u>rtsp://10.0.1.47:28736/stream1</u>. A.B.C.D is the WAN IP address of the gateway, and Port is the number of RTSP external port. N can be number 1 or 2 that indicates the stream, 1 for main stream and 2 for substream.

If you want to reset to default settings, click Reset.

### 7. 6. 4 Configure IP Restriction (Only for Cameras)

When IP Restriction is enabled, you can add IP addresses to the deny list or allow list to restrict the access to the camera. The IP address in the deny list cannot access the camera, while only the IP addresses in the allow list can access the camera.

Follow the steps below to add an IP address to the deny or allow list.

- Go to Settings > Device List > My Devices and click in the list. Go to Network Settings > IP Restriction.
- 2. Enable IP Restriction and select **Deny List** or **Allow List**. Click **Add** to enter the IP address and description. Click **Save**. Then the IP address is in the corresponding list.

		TP-Link Camera	×
Basic Information	IP Restrction		
Display Information	IP Restriction		
▶ Video	Restriction Rule:	Deny List - Block the IP addresses on the list.	
▶ Event	C	Allow List - Allow only the IP addresses on the list.	
<ul> <li>Network Settings</li> </ul>	Deny List		Add Delete
Configuration	IP Address	Description	
Port Number	10.0.1.125	unknown	ß
Port Forwarding			
IP Restriction			
Multicast			
Cloud Service			
System Settings	Save Reset	]	

3. Click **Save** in IP Restriction to finish the configuration.

If you want to reset to default settings, click Reset.

### 7. 6. 5 Configure Multicast (Only for Cameras)

When Multicast is enabled, you can watch videos using the multicast address and port.

Follow the steps below to configure Multicast.

1. Go to Settings > Device List > My Devices and click 😳 in the list. Go to Network Settings > Multicast.

 Select a stream and then enable Multicast. For the multicast address and port, you can disable Random IP Port and specify a static address and port, or enable it and use a random one. Click Save.

		TP-Link Camera		×
Basic Information	Multicast			
Display Information	Main Stream	Substream		
▶ Video	Multicast:			
Event	Random IP Port:			
<ul> <li>Network Settings</li> <li>Configuration</li> </ul>	Multicast Address:	224.0.1.0	(224.0.1.0 - 239.255.255.255)	
Port Number	Multicast Port	10000	(1025 - 65535)	
Port Forwarding			(1023 - 03333)	
IP Restriction	Save			
Multicast				
Cloud Service				
<ul> <li>System Settings</li> </ul>				

After Multicast enabled, you can watch the video with the URL rtsp://A:B:C:D/multicastStreamN, for example, <u>rtsp://192.168.0.3/multicastStream1</u>. A.B.C.D is the IP address of the camera, and N can be number 1 or 2 that indicates the stream, 1 for main stream and 2 for substream.

If you want to reset to default settings, click Reset.

# ✤ 7.7 Cloud Service

VIGI Security Manager supports remote management with the support of TP-Link Cloud Services. With a TP-Link ID bound, you can remotely monitor your property through cameras on your computer.

If you want to bind or unbind your devices with your TP-Link ID, follow the steps below to finish the configuration.

Go to Settings > Device List > My Devices and click I in the list. Then go to Cloud Service and click Log in.

	TP-Link Camera	$\times$
Basic Information	Cloud Service	
Display Information		
▶ Video	With the TP-Link cloud service, you can remotely view live video, play recordings, and manage devices. To enjoy the cloud service, please log in with your TP-Link ID (Email) first.	
▶ Event		
Network Settings	Log In	
Cloud Service		
<ul> <li>System Settings</li> </ul>	Download the TP-Link VIGI app Remotely view live video, manage devices, and get instant alerts.	
	App Store     Google Play	
	Search VIGI Scan for VIGI	
	Remotely view live video, manage devices, and get instant alerts.	

2. You can enable Auto Login to allow the utility to remember your account and log in automatically when switching it as the logged account. Click Log In.

Log In Note: You'll need to add the local device(s) again after the login.	×
techwriter@tp-link.com.cn ~	
ø	
✓ Auto Login Forgot Password?	
Sign Up	

3. Click **Bind** to bind all the devices added locally to your TP-Link ID. All the local devices will be bound automatically to your TP-Link ID.



4. (Optional) After finish binding the devices, click **Unbind** if you want to unbind a certain device from your TP-Link ID.

			TP-Link Camera		×
	Basic Information	Cloud Service			
Þ	Display Information				
Þ	Video				
Þ	Event	TP-Link ID Tech	writer@tp-link.com.cn	Unbind	
Þ	Network Settings				
	Cloud Service				
Þ	System Settings	Download the TP-Link VIGI Remotely view live video, m	app anage devices, and get instant alerts.		
		Coversing of the AppStore	Scan for VIGI		

# ✤ 7.8 Configure System Settings

The system settings allow you to modify the name and password, set the time and reboot schedule for your devices. To configure system settings, go to **Settings** > **Device List** and click **\$** in the list.

				U	■ <b>\$ 0</b> – □ ×
		Playback Settings		-	Please log in.
	My Devices Discovered Devices	3			
Device List	Q Device Name				🖸 Refresh 🗎 Delete
Firmware Update	Device Name	Status	IP Address	MAC Address	Operation
	🗌 🚅 VIGI NVR1008H(UN) 1.0	Online	192.168.1.128	D8-07-B6-C0-1B-E4	8 0
Storage Schedule					
Storage Management					
Export Recordings					
File Settings					
Export Format					

### 7.8.1 Configure Basic Settings

To modify the device name, channel name (only for NVR) and passwords of devices, go to Settings > Device List and click <sup>(2)</sup> in the list. Then go to System Settings > Basic Settings.

		VIGI NVR1008H(UN) 1.0	×
Basic Information	Basic Informatio	on	
Display Information	General		
<ul> <li>Video</li> <li>Network Settings</li> <li>Cloud Service</li> <li>System Settings</li> </ul>	Device Name Channel 1 Name Account Information	VIGI NVR1008H(UN) 1.0 TP-LINK IPC Save	
	Password	Modify	

You can click Modify to change the password and email address for password reset.

Note: You can only modify the password of local devices.

	Modify Password	×
Username:	admin	
Old Password:	ø	
	Forgot Password	
New Password:	Ø	
Confirm New Password:	ø	
Password Reset Email:	0	
	Use TP-Link ID Email	
	Confirm	Cancel

#### 7.8.2 Configure Time Settings

VIGI Security Manager provides two methods to modify the system time. To configure time settings, go to Settings > Device List and click <sup>(2)</sup> in the list. Go to System Settings > Time Settings.

#### Get Time from the Internet

VIGI devices can use NTP (Network Time Protocol) to automatically get the system time from the Internet. You can also customize the NTP Server Address if you don't want to get the time from the default NTP server address provided by NVR. Then select the time zone according to your region.

		VIGI NVR1008H(UN) 1	.0	×
Basic Information	Time Settings			
Display Information	Device Time:	2020-09-13 06:55:00		
▶ Video	Time Settings:	Get from Internet	Manually	
Network Settings	Time Zone:	(UTC-00:00) Dublin, Edin	ıburgh, Lis 🗸	
Cloud Service	NTP Server :	0.0.0.0	(Optional)	
<ul> <li>System Settings</li> </ul>	Save			
Basic Settings	_			
Time Settings				
Reboot				

#### Set Manually

You can set the device time manually or click **Get From PC** to synchronize the device time with that of your PC.

		VIGI NVR1008H(UN) 1.0	×
Basic Information	Time Settings		
<ul> <li>Display Information</li> </ul>	Device Time:	2020-09-13 06:54:22	
▶ Video	Time Settings:	Get from Internet  Manually	
Network Settings	Date:	2020-9-13	
Cloud Service	Time:	06 ~ 54 ~ 22 ~ Get from PC	
<ul> <li>System Settings</li> </ul>	Save		
Basic Settings			
Time Settings			
Reboot			

### 7.8.3 Reboot Device

To reboot your devices instantly or set the reboot schedule, go to **Settings > Device List** and click **o** in the list. Go to **System Settings > Reboot**.

If you want to reboot your device based on a schedule, enable **Scheduled Reboot** and customize the schedule according to your needs.

		VIGI NVR1008H(UN) 1.0	×
Basic Information	Reboot Device		
Display Information	Reboot		
Video	Reboot Device	Reboot Now	
Network Settings	l		
Cloud Service			
System Settings	Scheduled Reboot		
Basic Settings	Scheduled Reboot		
Time Settings			
Reboot	Reboot Schedule	Every Sunday $\sim$ 3 $\stackrel{\bullet}{\bullet}$ : 0 $\stackrel{\bullet}{\bullet}$ : 0 $\stackrel{\bullet}{\bullet}$	
	Save		
	Basic Information Display Information Video Network Settings Cloud Service System Settings Basic Settings Time Settings Reboot	Basic Information Display Information Video Network Settings Cloud Service System Settings Time Settings Reboot Reboot Scheduled Scheduled Reboot Scheduled Reboot Scheduled Reboot Scheduled Reboot Scheduled Reboot Scheduled Reboot	Basic Information     Reboot Device       Pisplay Information     Reboot       Network Settings     Reboot Now       Cloud Service     Scheduled Reboot       System Settings     Scheduled Reboot       Time Settings     Scheduled Reboot       Reboot     Scheduled Reboot       Scheduled Reboot     Scheduled Reboot

# ✤ 7.9 Upgrade the Firmware

VIGI Security Manager allows you to upgrade the firmware of your device automatically or manually. To upgrade a device solely or upgrade them in batches, go to **Settings > Device > Firmware Update**.

							¢0 -	_ x
			ack Settings			-	Please log in.	
Device	Firmware Upo	ate					Ö Ref	resh
Device List Firmware Update Storage	Q Device Name					▲ Update Mar	nually 1 Auto U	pdate
	🗌 No. Devi	ce Name	Hardware Version	Firmware Version	Status Op	peration		
	1 VIGI	NVR1008H(UN) 1.0	VIGI NVR1008H(UN) 1.0	1.0.1 Build 200722 Rel.70379r	n Online	Auto Update	Update Manually	
Storage Management								
Export Recordings								
File Settings								
Export Format								
Auto Upda	ate	Select a de	evice and clic	< Auto Update	to auto	matically	upgrade y	/our
Update Manually		Select a device and click Update Manually. Then import the update file and click <b>Update</b>						
<u>↑</u> Update	Manually	Click the c automatica	heckboxes b lly upgrade yo	efore devices our devices.	and clic	k <u>†</u> Up	date Manually	to
1 Auto	Update	Click the c import the	checkboxes b update file and	efore devices d click <b>Update</b> .	and clic	ck 🕇 Au	to Update . T	hen

# ✤ 7.10 Remove Devices

To remove the devices from your VIGI Security Manager, follow the steps below.

1. Go to Settings > Device List.

					Щ <b> ⇔ 0</b> – □ ×
		Playback Settings		=	
Device	My Devices Discovered Devices	\$			
Device List	Q Device Name				🖸 Refresh 🛅 Delete
Firmware Update	Device Name	Status	IP Address	MAC Address	Operation
Storage	VIGI NVR1008H(UN) 1.0	Online	Remote Device	D8-07-B6-C0-1B-E4	8 0
Storage Schedule	🗹 💇 TP-Link Camera	Online	Remote Device	60-32-B1-5F-2C-B5	8 0
Export Recordings	📄 💇 TP-Link Camera	Online	Remote Device	3C-84-6A-AF-96-50	8 0
File Settings					
Export Format					

- 2. Click the checkbox of devices and click **Delete**.
- 3. Click Delete.





# **System Management**

This chapter guides you on how to view and manage the system of VIGI Security Manager. You can check the storage and CPU usage, configure system settings and update the software.

You can check the storage and CPU usage, configure system settings and update the software on the top right corner.

Ptp-link   VIGI	
	Hover the cursor above the icon to check the storage usage.
	Hover the cursor above the icon to check the CPU usage.
	Click the check box to configure the following system settings.
_	<b>Run at Windows Startup:</b> Makes the software run automatically when your computer starts up.
<del></del>	<b>Enable Hardware Decoding:</b> Allows your GPU (Graphics Processing Unit) to process certain video data, which will take load off the CPU and make the application run smoother.
	When Closed: Choose to exit or minimize to tray when clicking $ imes$ .
•	Click to check the software version and update VIGI Security Manager.