

Villa VTO

User's Manual



Important Safeguards and Warnings

The following description is the correct application method of the device. Please read the manual carefully before use, in order to prevent danger and property loss. Strictly conform to the manual during application and keep it properly after reading.

Operating Requirement

- Do not place and install the device in an area exposed to direct sunlight or near heat generating device.
- Do not install the device in a humid, dusty or fuliginous area.
- Keep its horizontal installation, or install it at stable places, and prevent it from falling.
- Do not drip or splash liquids onto the device; do not put on the device anything filled with liquids, in order to prevent liquids from flowing into the device.
- Install the device at well-ventilated places; don't block its ventilation opening.
- Use the device only within rated input and output range.
- Do not dismantle the device arbitrarily.
- Transport, use and store the device within allowed humidity and temperature range.

Power Requirement

- The product shall use electric wires (power wires) required by the region where the device will be used.
- Use power supply that meets SELV (safety extra low voltage) requirements, and supply power with rated voltage that conforms to Limited Power Source in IEC60950-1. For specific power supply requirements, refer to device labels.
- Appliance coupler is a disconnecting device. During normal use, keep an angle that facilitates operation.

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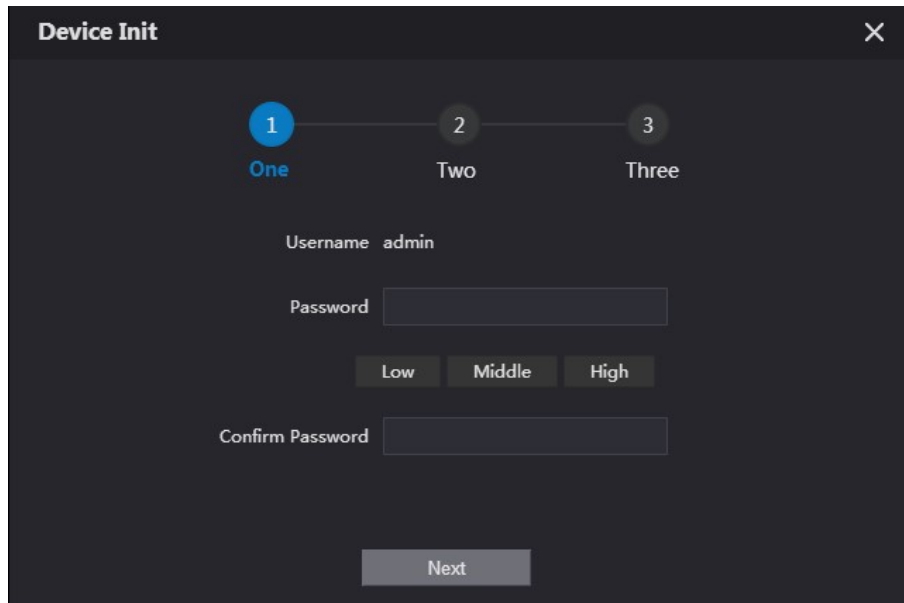
1 Initialization

For first time login or after the VTO being reset, you need to initialize the web interface. The default IP address of the VTO is 192.168.1.108, and make sure the PC is in the same network segment as the VTO.

Step 1 Connect the VTO to power source, and then boot it up.

Step 2 Open the internet browser on the PC, then enter the default IP address of the VTO in the address bar, and then press **Enter**.

Figure 1-1 Device initialization



Step 3 Enter and confirm the password, and then click **Next**.

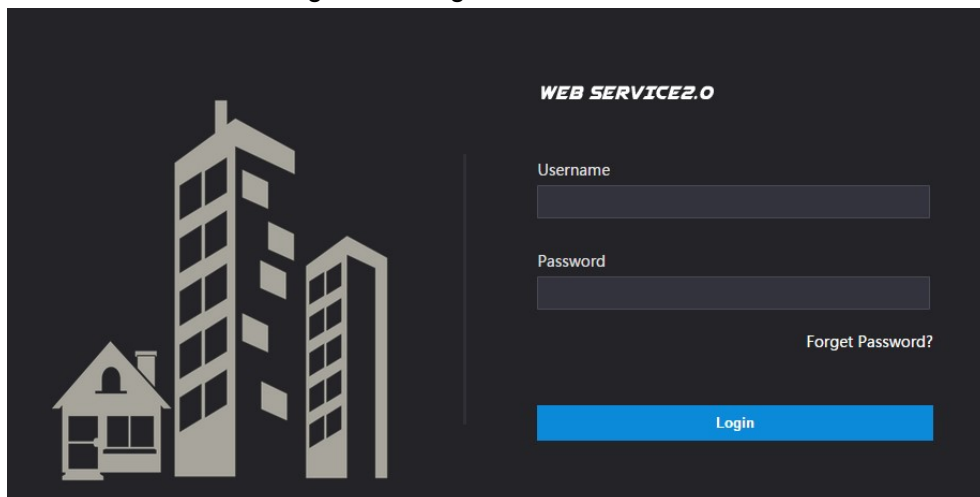
The email setting interface is displayed.

Step 4 Select the **Email** check box, and then enter your email address. This email address can be used to reset the password.

Step 5 Click **Next**. The initialization succeeded.

Step 6 Click **OK**.

Figure 1-2 Login interface



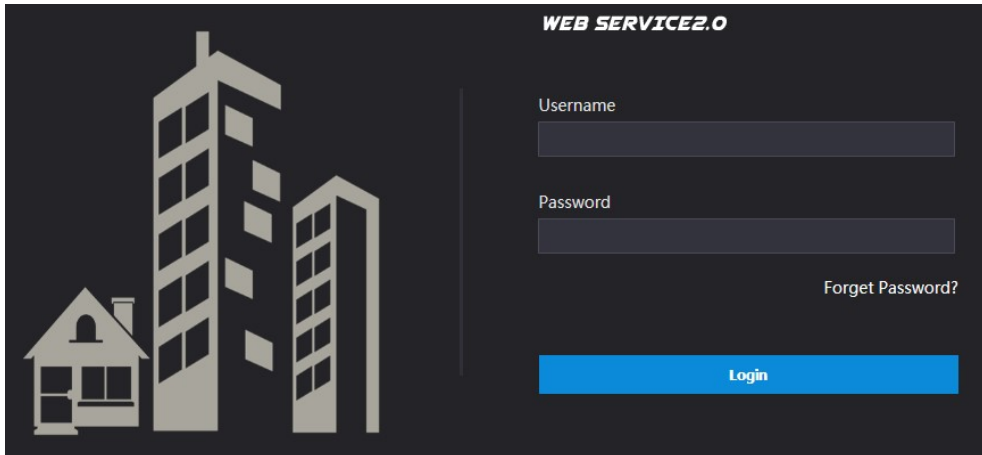
2 Login Interface

2.1 Login

Before login, make sure that the PC and VTO are in the same network segment.

Step 1 Enter the VTO IP address in the browser address bar, and then press **Enter**.

Figure 2-1 Login interface

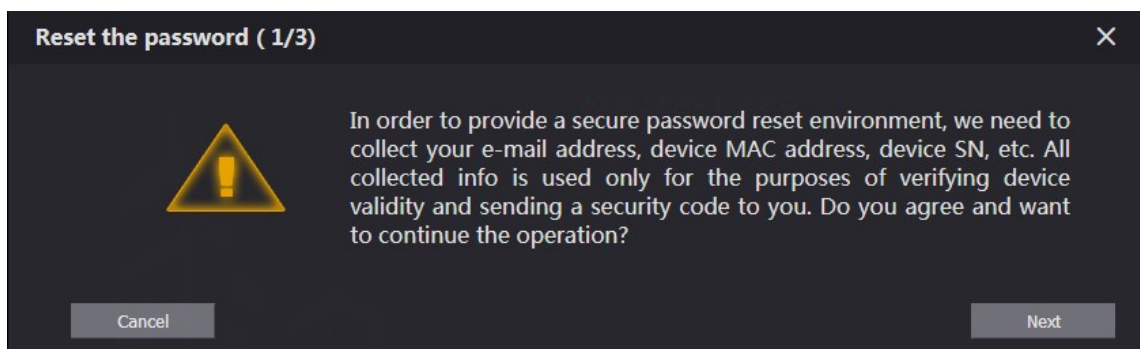


Step 2 Enter "admin" as username, then the password you set during initialization, and then click **Login**.

2.2 Resetting Password

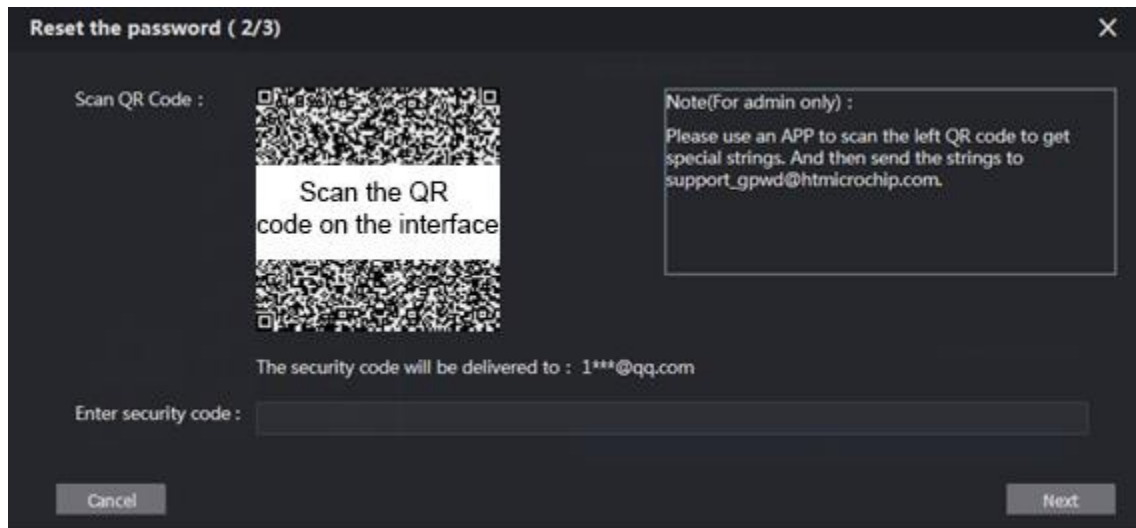
Step 1 On the login interface (Figure 2-1), click **Forgot Password?**.

Figure 2-2 Reset the password (1/3)



Step 2 Click **Next**.

Figure 2-3 Reset the password (2/3)



Step 3 Scan the QR code on the web interface to obtain the security code in your mailbox, and then enter the security code in the input box.



- If you did not configure email during initialization, contact the supplier or customer service for help.
- To obtain security code again, refresh QR code interface.
- Use the security code within 24 hours after receiving it. Otherwise, it will become invalid.
- If wrong security code is entered for 5 times continuously, this account will be locked for 5 min.

Step 4 Click **Next**, and then the **Reset the password (3/3)** dialog box is displayed.

Step 5 Set and confirm the new password as instructed, and then click **OK**.

3 Main Interface

Log in to the web interface of the VTO, and then the main interface is displayed.

Figure 3-1 Main interface

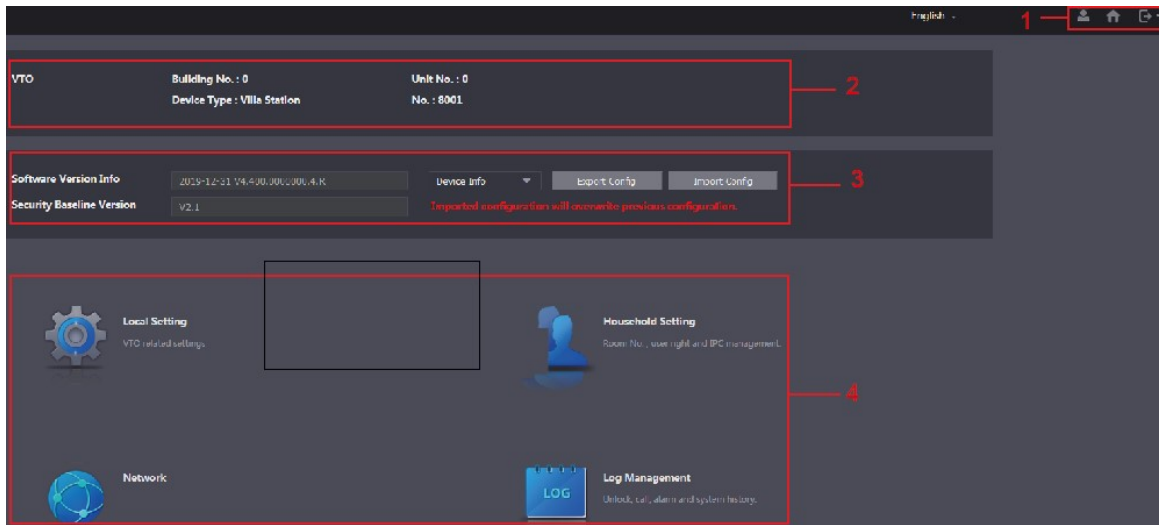





Table 3-1 Main interface introduction

No.	Function	Description
1	General function	<ul style="list-style-type: none"> Click  to change the password and your email address. Click  to go to the main interface. Click  to log out, reboot the VTO or restore the VTO to factory settings.
2	VTO information	You can view the general information of the VTO, including building No., unit No., device type, and VTO No..
3	System information	You can view the software version, MCU version, and security baseline version.
4	Config manager	Select Device Info or User Info , and then you can export the VTO configuration or user information to the PC or import them from it.
5	Function area	Click the buttons to go to the corresponding menu.

4 Local Setting

This chapter introduces how to configure VTO type, VTO No., video and audio, access password, system time, and security function.

General operations:

- After configuration, click **Confirm** to save, and click **Refresh** to view the latest change.
- If you click **Default**, all the configurations in the current page would be restored to the default, and you need to click **Confirm** to save.

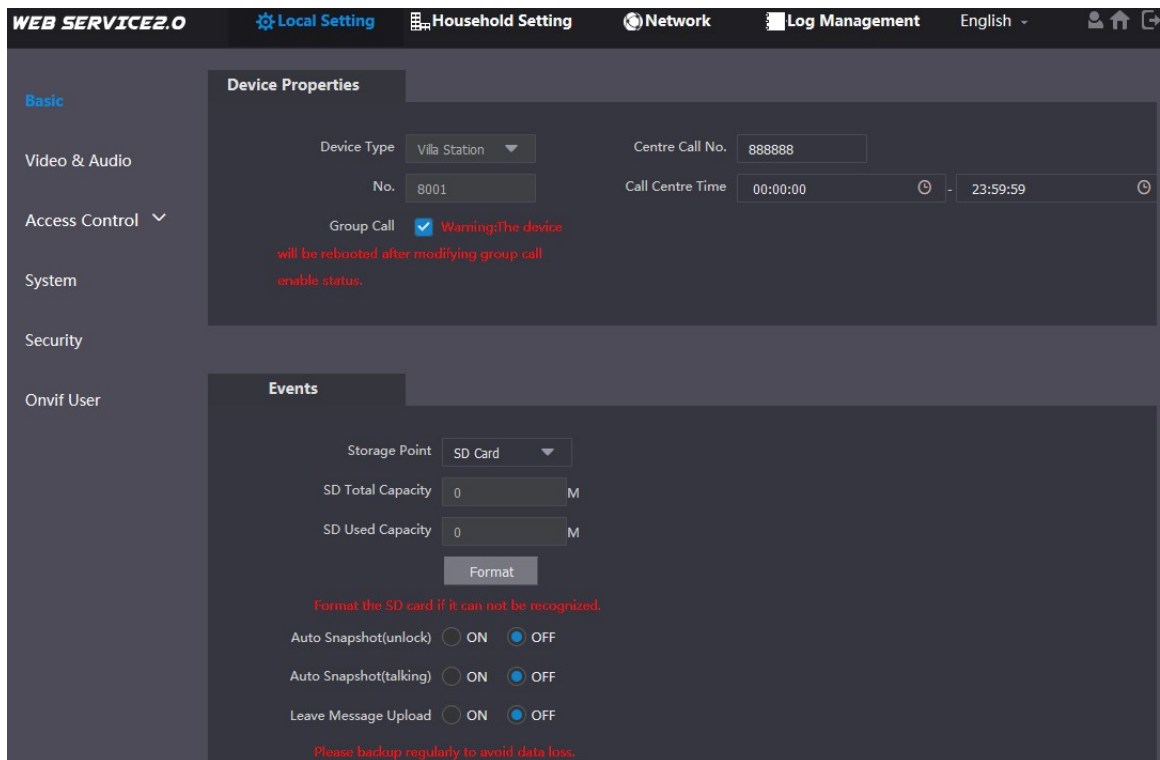
4.1 Basic

4.1.1 Device Properties & Events

This section introduces the configuration of VTO device type, VTO number, and auto storage.


Step 1 On the main interface (Figure 3-1), select **Local Setting > Basic**.


Figure 4-1 Basic



Step 2 Configure parameters.

Table 4-1 Basic parameter description

Parameter	Description
Device Type	<p>Keep the default value.</p> <p></p> <ul style="list-style-type: none"> • Building number and unit number are available only when other servers work as SIP server. See "6.2 SIP Server."

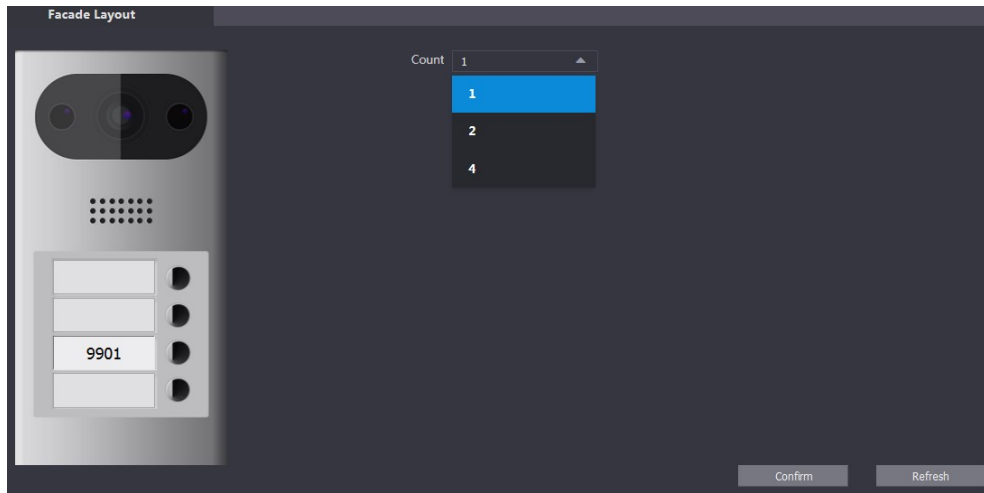
Parameter	Description
	<ul style="list-style-type: none"> Fence station is normally used when other servers work as SIP server.
Centre Call No.	Configure the number of the management centre, and you can call the management centre on every VTO or VTH in the network. The default number is 888888.
Call Centre Time	Time period in which you are allowed to call the management centre.
VTO No.	The VTO number can be used to differentiate each VTO, and it is normally configured according to unit or building number. You can add VTO devices to the SIP server with their numbers.
Storage Point	<p>All the snapshots would be saved to the SD card in the villa station automatically.</p> <ul style="list-style-type: none"> Auto Snapshot (unlock) Select ON to enable this function, and then the system takes snapshot every time when the door is unlocked. Auto Snapshot (talking) Select ON to enable this function, and then the system takes snapshot every time when VTH user answers a call from the VTO. Messages Select ON to enable this function, and then the system uploads the messages from visitors to the SD card automatically.  <ul style="list-style-type: none"> If there is an SD card in the main VTH, the left messages would be saved to the SD card of the main VTH by default. To receive message, the VTO Message Time must be configured to be more than 0. See the VTH user's manual.

Step 3 Click **Confirm**.

4.1.2 Façade Layout (Only for VTO3211D)

If you select 1 from the **Count** drop-down list, only the third button will be valid; if you select 2, only the second and the fourth buttons will be valid; and if you select 4, all the four buttons will be valid.

Figure 4-2 Façade layout

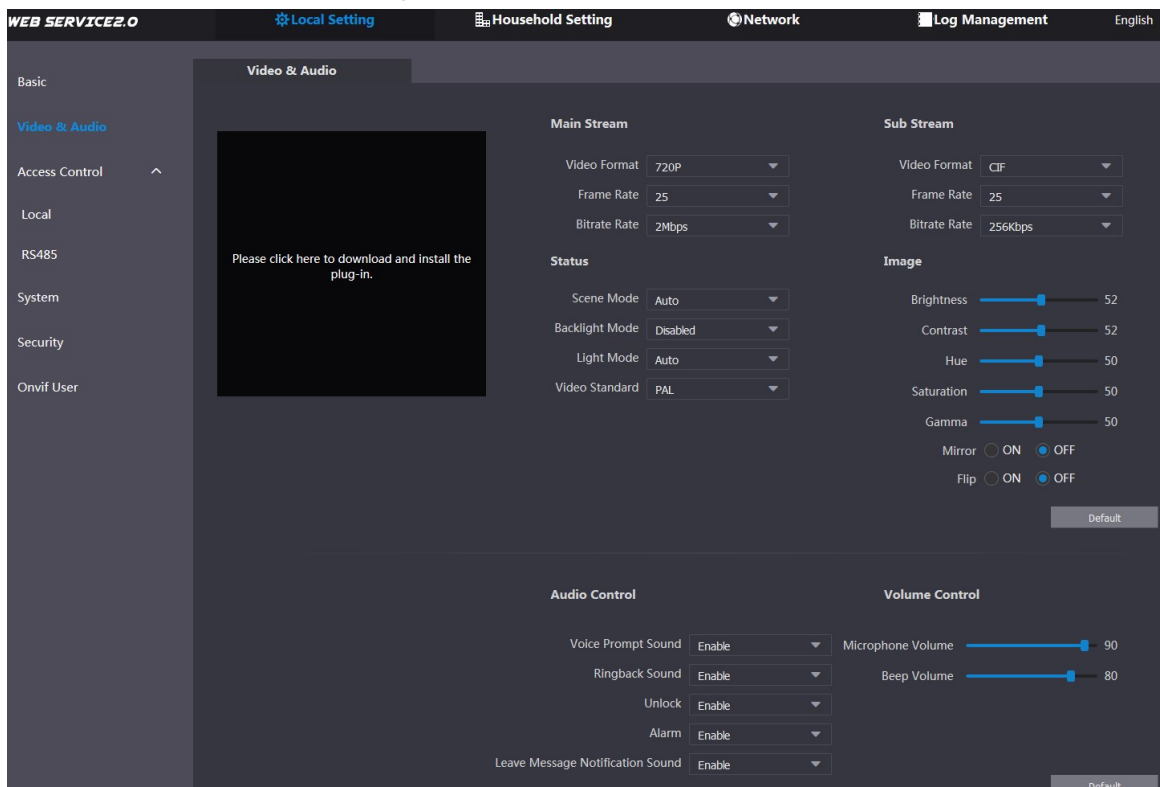


4.2 Video & Audio

This section introduces how to configure the format and quality of video that captured by VTO, and the audio control settings.

Step 1 On the main interface (Figure 3-1), select **Local Setting > Video & Audio**.

Figure 4-3 Video & audio



Step 2 Configure parameters, and these configurations will take effect immediately.

Table 4-2 Video parameter description

Parameter		Description
Main Stream	Video Format	Select the video resolution from 720P , WVGA , and D1 .
	Format Rate	Configure the number of frames in 1 second. You can select from 1 to 25 under PAL , and 1 to 30 under NTSC video

Parameter		Description
		standard. The larger the value is, the smoother the video will be.
	Bitrate	Configure the data amount that transmitted in 1 second. You can select as needed. The larger the value is, the better the video quality will be.
Sub Stream	Video Format	Select the video resolution from CIF, WVGA, QVGA, D1, and 1080P .
	Format Rate	Configure the number of frames in 1 second. You can select from 1 to 25 under PAL , and 1 to 30 under NTSC video standard. The larger the value is, the smoother the video will be.
	Bitrate	Configure the data amount that transmitted in 1 second. The larger the value is, the better the video quality will be.
Status	Scene Mode	Adjust the video to adapt to different scenarios. You can select from Automatic, Sunny, Night and Disabled . It is Automatic by default.
	Day/Night Mode	You can select from Disabled, Auto, Sunny or Night .
	BackLight Mode	You can select from the following modes: <ul style="list-style-type: none"> ● Disabled: No back light. ● BLC: The camera gets clearer image of the dark areas on the target when shooting against light. ● WDR: The system dims bright areas and compensates dark areas to ensure the clarity of all the area. ● HLC: The system constrains bright areas and reduces halo size to dim the overall brightness.
	Light Mode	There are four light modes: NO, NC, Auto, and Scheduled. Select as needed.
	Video Standard	Select from PAL or NTSC according to your display device.
Image	Brightness	Changes the value to adjust the picture brightness. The larger the value is, the brighter the picture will be, and the smaller the darker. The picture might be hazy if the value is too large.
	Contrast	Changes the contrast of the picture. The larger the value is, the more the contrast will be between bright and dark areas, and the smaller the less. If the value is too large, the dark area would be too dark and bright area easier to get overexposed. The picture might be hazy if the value is too small.
	Hue	Makes the color deeper or lighter. The default value is made by the light sensor.
	Saturation	Makes the color deeper or lighter. The larger the value is, the deeper the color will be, and the lower the lighter. Saturation value does not change image brightness.
	Gamma	Changes the picture brightness and improves the picture dynamic range in a non-linear way. The larger the value is,

Parameter	Description	
		the brighter the picture will be, and the smaller the darker.
	Mirror	Select On , and then the image is displayed with left and right side reversed.
	Flip	Select On , and then the image is displayed upside down.
Audio Control	Select Enable or Disabled to turn on or off each sound.	
Volume Control	Microphone Volume	Adjust the value, and the larger the value is, the louder the VTO microphone volume will be.
	Beep Volume	Adjust the value, and the larger the value is, the louder the system volume will be.

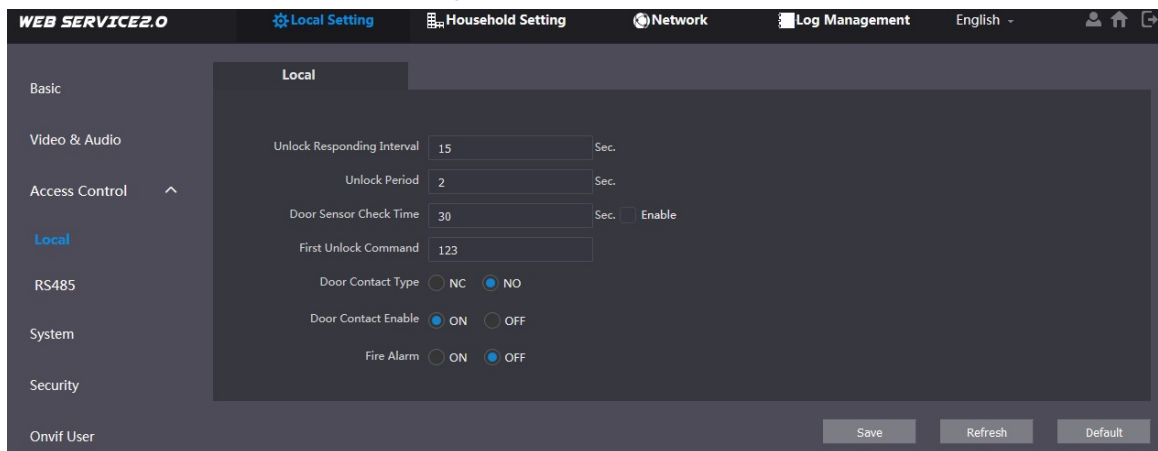
4.3 Access Control

This section introduces how to configure the lock, including unlock responding interval, open door command, door sensor check time, first unlock command and door contact type.

4.3.1 Local

Step 1 On the main interface (Figure 3-1), select **Local Setting > Access Control > Local**.

Figure 4-4 Local



Step 2 Configure parameters.

Table 4-3 Local access control parameter description

Parameter	Description
Unlock Responding Interval	The time interval to unlock again after the previous unlock, and the unit is second.
Unlock Period	The time amount for which the lock stays open after unlock, and the unit is second.
Door Sensor Check Time	If you have installed door sensor, you need to configure the time period, and If the unlock time exceeds the Door Sensor Check Time , the door sensor alarm is triggered, and the alarm will be sent to the management center. <ul style="list-style-type: none"> Select the Enable check box, and the door will not be locked