Fast operation of IP Villa System

1 System Structure

Power for VTO is DC12V/1A, power for Dahua switch is DC24V/2.5A



Figure 1-1

2 Operation Steps

VTO---- The default IP of VTO is 10.22.5.189, and the project setting password is #8888888#;

VTH--- The default IP of VTH is 10.22.5.180, and the project setting password is 002236;

Note:

When you want to connect the devices, please make sure the IP address of VTO and VTH are in the same network segment.

2.1 VTO WEB Config

Filled in the VTO' IP address in the IE explorer, it will show a log interface as Figure 2-1, account/password are admin/admin.

IP VDP Dooi	Station Web Ser	ver V1.0	
Usernar	ne:		
Passwo	rd:	2000	

Figure 2-1

Basic Configuration:

Step 1	Check system Config>Local Config	> set Video Format into WVGA	, see Figure 2-2
--------	----------------------------------	------------------------------	------------------

System Config	cal Config A&C !	Manager	System Time		
 Local Config LAN Config Indoor Station Manager Network Config Change Password Info Search Status Statistics Logout 	Unit Layer Amount: Room Amount in One Layer: Device Type VTO Model Video Format Reboot Date Volume Config Frame Rate Version Info Restore Backup	10 4 Villa Station VT06110B WVGA Tuesday 40 25 2013-05-08 V1.101 Card Info Vth In Default Restore Backup		3 ↓ ок	Default All

Figure 2-2

Step 2 Check Indoor Station Manager, click on Add to add one VTH Short No., such as: 102. See Figure 2-3.

▼ System Config	Indoor Station	
> Local Config	Digital Indoor Station	
> LAN Config	FamilyName FirstName Room No. SN	IP Address
Indoor Station Manager	(Add	X
> Network Config		
> Change Password	FamilyName example	
▶ Info Search	FirstName example	
Status Statistics	VTH Short No. 102 3 <2	
▶ Logout	IP Address	
	OK Cancel	
	Add	

Figure 2-3

1.2 Main VTH Setup

On the VTH's screen, please point Setting> Project Settings> 002236

Step 1 Check Product Info, set Room No.(it need be same with the VTH short No. in Figure 2-3), Local IP, Subnet Mask, Gateway, then point OK to save it . See Figure 2-4.

	Project Settings	۵
Room N	lo. 102 M	laster Product Info <
Local IP	172 5 1 105	P Network
Subnet	Mask 255 255 0 0	
Gateway	y 172 5 0 1	
MAC	00:01:5b:a1:33:44	🗘 Default
Version	Eng_P_V1.100.0000.0.R.20	0130428 🏷 Back
	ОК	

Figure 2-4

Step 2 Check Network, input main VTO IP in Network, then point ok to save it. See Figure 2-5.

₽		Project Settings	
	Main_VTO Name	Main VTO	Product Info
are: */	Device Type	Unit Door Station	🖵 Network 🛛 <
2	VTO Middle No.	10116901	PC Info
	VTO IP Address	172 5 2 31	Default
	Network Port	13801	
	Enable Status		➔ Back
4.35 4.35		ОК	

Figure 2-5

After the above operation steps, it can make a call from VTO and VTH.

3 Group call Settings

If there are more than 2 VTH, you can set group call function of VDP.

3.1 VTO web config

Step1 Add Main VTH, enter the VTO's WEB interface, check System Config>Indoor station manager, click Add button, you only need add the Main VTH's Room No., such as 102. If there is a test room number in the list, such as 9999 or 9901, please delete it.

IP VDP Door St	tation Web Server V1.0						
System Config Local Config LAN Config	Indoor Station Digital Indoor Station FamilyName FirstName Room No	. <u>SN</u>	IP Address	Card No. Info	Modify	Delete	
Indoor Station Manager Network Config Change Password Info Search Status Statistics Logout	Add FamilyName FirstName VTH Short No. IP Address	example example 102 OK Cancel	×		2	0	
	Add					I I I/1 ► ► Go to	-

Figure 3-1

Step2 Please check System Config>LAN Config > check Group you need click OK button and restart Outdoor Station after setting up.

System Config	LAN Config	
> Local Config		
🔸 LAN Config 🛛 🧲	- ① □ □ Group Call ← 2	
Indoor Station Manager	Area No.	330103
> Network Config	Section No.	01 TArea LAN
Change Password	Building No.	01
Info Search	Building Unit No.:	1
Status Statistics	VTO No.	6902
Logout	Register to the MGT Centre	
-	MGT Centre IP Address	10 - 33 - 5 - 59
	MGT Port No.	12801
	Call vts time	00 💌 : 00 💌 To 00 💌 : 00 💌 🗖 Call vts or not
	From VTO IP Address	VTO IP Setup
	note:The Device needs reboot	after modifing the config above.
		Default Refresh OK

Figure 3-2

3.2 Sub- Indoor Monitor Settings

After setting main VTH(refer to 2.2), Similarly, enter Sub-Indoor Monitor's Project Settings-Local Setting,

Step1 Check Master into Extension.

Step2 Input Room No. as 102-1, input the IP address of extension VTH.

Step3 Filled Master IP address, point OK to save it. After setting up, Sub-indoor Monitor will automatically synchronize with the Outdoor Station of main Indoor Monitor without other configuration. See figure 3-3

₽		Project Sett	ings		- (í	J
.(2)	Room No.	102-1	Extension]	Product Info	. <
	Local IP	172 · 5 · 1 ·	106		🖵 Network	
3_	Subnet Mask	255 · 255 · 0 ·	0		📟 IPC Info	
	Gateway	172 5 0	1			
	MAC	90:02:a9:80:20:e7			🗘 Default	
	Version	Eng_P_V1.100.0000	.0.R.20130511		🦘 Back	
<u> </u>	Master IP	172 * 5 * 1 *	105			
		ОК				
			9	.1		

Figure 3-3

4 Install lock and unlock button

4.1 VTO6100C

Definition of VTO6100C ports:



01. Network port: to external switch (IN port)

02. 3-pin 1: to lock control end 1

03. 3-pin 2: to lock control end 2

04. Power port: to input 12V DC power

05. Test port: to test device port

See Figure 4-1.

Figure 4-1

General types of lock in market are unlocking with power and unlocking without power. Here make electric lock and Magnetic lock as example.

4.1.1 Install electric lock



electric lock + toward VTO NO-end (03.3-pin 1) and electric – toward VTO COM-end (03.3-pin 3).

2. When connect VTO to unlock button, make unlock button's one end toward VTO (04. 3-pin 2) ALM 2-end and unlock button's other end toward VTO (04.3-pin 3) GND-end. See Figure 4-2.

1. When connect VTO to electric lock, make

4.1.2 Install Door sensor



Figure 4-3

4.2 VTO6110B

Definition of VTO6110B ports: VTH can be connected to any port on VTO.



Figure 4-4

 When connect VTO to door sensor, make door sensor + toward VTO (03.3-pin 2) NC-end and door sensor - toward VTO (03. 3-pin 3) COM-end.

2. When VTO is connected to door sensor for its magnetic feedback, make magnetic feedback's end end toward VTO (04. 3-pin 1) ALM2-end to unlock and make magnetic feedback's other end toward VTO (04. 3-pin 3) GND-end.

See Figure 4-3.

01. Power port: to input DC 12V.

02. Lock port: to access control module

03. Network port: to switch (switch IN port) See Figure 4-4.



Wiring function of access control extension module is shown as in 错误! 未找到引用源。.

Access Control Extension Module Wiring Function					
Group	Color	Function	Color	Function	
4 Din Cable A	Black	GND	Brown Door sensor res		
4-PITI Cable A	Orange	Alarm input	Yellow	Open button	
3-Pin Cable	Grey	NC	Blue	Public port	
(Lock Control)	Purple	NO			
Crean		Door station,	Black	Power ground	
4-Pin Cable B	Green	cascading 485+			
	White	Door station,	Red	+12V	

		cascading 485-	
2-Pin Cable	Pink	Card-reader 485+	
	Yellowgreen	Card-reader 485-	

5 Issue Card

The device supports IC card with frequency 13.56MHz.

Log in the VTO's web interface, check System Config> Local Config> A&C Manager, web will inform you to swipe card on VTO device, take VTO6100C as an example. See Figure 5-1

After you swipe the card at the door station, click on OK. You will hear a short beep as the card is successfully issued.

Local Config	A&C Manage	er Syster	m Time		
Old Password					
New Password					
Confirm					
Unlock Respondin	ng Interval	15	-		
Unlock Period		2	-		
Check Door Sens	or Signal Before				
Lock					
Door Sensor Che	ck Time	120			
FTP IP		10 . 36 . 45	. 136		
FTP Port		21			
FTP User		test			
FTP Password					
Issue Card		GetCardNumbers:0 ConfirmIssue	Cancellssue(19)		
		Default	Refresh	ок	

Figure 5-1