Fast operation of Wi-Fi Villa System 2017.8

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1. System structure

This document listed the involved firmware and software, and explained the configuration of Wi-Fi system, including the VTO, VTH, IP Camera, Wi-Fi Router and mobile App.

1.1 Overview



Note: VTH5221D(W) and VTO2111D-WP are POE(802.3af), which need to be powered individually with 12V/1A instead of VTNS1060A.

1.2 Demo environment



	General_VTO2111D_Eng_P_16M_V3.200.0000.0.R.201707	
VTO2111D-WP(433)	27.zip	
	Device1 IP: 192.168.1.110	
	General_VTH52X1D_EngItlFreGerDutSpaPor_P_V1.000.00	
VIH3221D(VV)	00.0.R.20170410	
	General_VTH52X1D_EngItlFreGerDutSpaPor_P_V1.000.00	
VIH3221D(VV)	00.0.R.20170410	
ASL2101S-WL		
DH-IPC-K15P		
Wireless ARD		
Router	2.4GHz	
DMSS	iOS Version 3.49.001	
010133	iDMSS Lite	
IE 11	Explorer11 Version :11.0.9600.18762	
Chrome	Soogle Chrome Version: 60.0.3122.113(64 bit)	
Windows 7	Windows 7 Enterprise edition	

1.3 Firmware and software

2. How to configure VTO with WiFi

There is two ways to configure VTO WIFI. Setting on web is more reliable.

Note: The WiFi system support 2.4GHz.

In addition, WiFi VTO and VTH can also be used without WiFi, connected with cable and working like normal devices.

2.1 How to configure WiFi on WEB

- Step 1 Login <u>http://192.168.1.110</u> as below pic. The default username and password are both 'admin'. The first login requires changing password.
- Step 2 Go to System Config>WIFI Info>WIFI Info. Click Open WLAN, and system searches and displays available WIFI.

	♀ ♂ 🥔 WEB SERV	ICE ×	
	IP VDP Door	r Station	
	_		
		admin	admin
		9	admin
		Login	
System Config WIFI Info > Local Config Name > LAN Config Name	Signal	State	Connect
Indoor Manager Network Config Video Set Open WLAN	3		🛤 🛋 1/1 🕨 🍽 Goto 🕢 📦
User Manager IPC Information WiFi Info			
> UPnP Config ▶ Info Search			

Step 3 Click "+" of WIFI you want to connect. Enter WIFI password, click OK to complete device WLAN connection.

VDP Fast Operati	on Document	Wi-Fi Villa Solution
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Name	Signal	State	Connect
parker_zhoujie	all		+
Sophie	all		
dahuaguest	all		+
@PHICOMM_10	all		+
dahuavip	all		+
dahuaguest	al		+
A20-123	all		+
34748	al		+
cortana	atl		+
ICA	lin		+
dahuaguest	att		+
dahuavip	att		+
dahuavip	att		+
dahuaguest	att		+

Info			
Name	Signal	State	Connect
Sophie	all		+
AWIN240890804			+
parker_zhoujie	all .		+
cortana			+
A20-123	Connect		+
dahuaguest	Name Sophie		+
dahuavip	Password	2010	+
ICA	Password		+
34748	OK Cancel		+
dahuaguest			+
dahuavip	al		+
@PHICOMM_10			+
dahuaguest	all		+
dahuavip	all		+
TP-LINK_ESFE	al		+
dahuaguest	al		+
Consumer2.4G	all		+
Easy4ip_Guest	all		+
OPPO A31c	al		+
dahuavip	atl		+

Name	Signal	State	Connect
Sophie	att	Connected	+
Yoger's iphone	atl		+
tphone	atl		+
dahuavip	atl		+
dahuaguest	att		+
Center_iMatrix	atl		+
JAWEI_GRA-CL00_e6e4	att		+
cortana	atl		+
@PHICOMM_10	att		+
34748	atl		+
dahuavip	att		+
LZ private nework	atl		+
Alarm_Test	att		+
dahuaguest	atl		+
dahuavip	atl		+
dahuaguest	atl		+
ICA	atl		+
dahuavip	atl		+
1234LILI4321	atl		+
parker_zhoujie	atl		+

Note: Now enter System Config>Network Config>TCP/IP interface. It shows Ethernet card 2 connection which is the wireless IP of VTO and will be added on VTH.

TCP/IP	FTP	Por	t	DDNS		P	2P	
Eth0:				Eth2:				
IP Address	192.168.1.110)		IP Address	192.	168.43.17	2]
Subnet Mask	255.255.0.0			Subnet Mask	255.	255.255.0)	
Default Gateway	192.168.1.1			Default Gateway	192.	168.43.1		
MAC Address	3c:ef:8c:07:b	1:84		MAC Address	3c:ef	f:8c:07:b1	l:bc	
DNS Address	8.8.8.8			DNS Address	192.	168.43.1		
				DHCP	• On		Off	
				Default Interface) eth)	eth2	
	Default	Refresh	ОК					

2.2 How to configure WIFI on smart phone

Please make sure your smart phone is connected to WIFI(2.4GHz).

Step 1 Download and login APP. Search for iDMSS (ios) /gDMSS (Android) for downloading.

Step 2 Configure device WIFI. Enter add device interface. Press WIFI configuration interface.
 Enter name, scan QR code at rear of the device, or you can manually enter SN of the device. Press next, in add WIFI device interface, enter password of WIFI, to enter device configuration.
 Step 3 Configure is now complete, press Next to finish.





••••• 中国电信	रू ७:24 PM Add WIFI device	36% ■—>	••••• 中国电信	ବ 7:25 PM WIFI configuration	36% 💶 🗆	
	O	— 💿	Name:		VTO2111	@ihua
		bone	Username		admin	
	\frown		Password:			
	(\checkmark)		Audio Only			
	Added successfully!					
						\sim
						blue colid
						blue solid
	Next			Next		

Device has sound prompt that the device has been successfully connected, now indicator is blue solid as configuration is successful. In addition, blue flashing means your network is abnormal.

Note : If you want to change WIFI config, please press RESET button on device until indicator

flashes blue. Repeat step 2 to 3.

2.3 How to add VTO on smart phone

After WIFI configuration, we add device through P2P.

Step 1 You can go to System Config>Network>P2P interface.

- Step 2 Select to enable P2P server.
- Step 3 Click OK.

After setup is complete, "status" becomes "online" which means P2P registration is successful.

TCP/IP	FTP	Port		DDNS	P2P
	Enable				
	Status Online				
	SN 3B01882Y/	Z00003			
QI	R Code	迴			
	Default	Refresh	OK		

Step 4 Add device on smart phone. Enter add device interface. Press P2P. Enter name, scan QR code at rear of the device or you can also input S/N manually, press Start Preview finally.

••••• 中国电信 穼	7:21 PM	39% 🗖 🗁	••••• 中国电信 🗢	7:21 PM	39% 💶	••••• 中国电信 穼	10:00 AM	🗿 59% 🗖 🗗
	Live Preview	<u>=</u>	<	Device List	Ē	<	Add Device	(20) (20)
			Device			WIFI configu	ration	
						AP Config N	etwork	
						OTHER CONNE		
						P2P		
						IP/Domain		
		-						
Ŷ	Ð	Ģ						
				Add Davias	_		Device Initialization	
<u>[0]</u>	O ʻ d	à						
••••• 中国电信 令 <	10:00 АМ Р2Р	Ø 59% ■ -)•	••••• 中国电信 令	10:01 АМ Р2Р	◙ 58% ■□•	••••• 中国电信 令	10:02 AM Live Preview	0 58% -
Name:		Device01	Name:		VTO2111	VTO2111		-
SN:			SN:	2C00D3	9YAZ00013	And the second	1	
Username:		admin	Username:		admin			
Password:			Password:		•••••			
Push Notifica	tions:		Push Notification	ons:				
Audio Only:			Audio Only:				8	
						Ŵ	Ð	€ 2
	Start Live Proview			tart Live Proview				<u> </u>
	Start Live Preview			art Live Preview				<u></u> ≜

3. How to configure VTH with WIFI

- Step 1 Plug device to power.
- Step 2 In homepage, long press Settings for 6 seconds. Device pops up Password Verification box.
- Step 3 Enter project setup password which is 888888 by default.
- Step 4 Press Net Set to connect VTH. Make sure the wireless IP is DHCP.

If it always shows "connecting", check the WIFI or use another WIFI.

6 aao				2 2	
	Call 1 NEW	Info		02:25 2017-10-25 Wednesday	
	Monitor	sos	Setting	×.	
		press S	Settings for 6	seconds	
	So			C4 6	

9 901		Network			
Network	WLAN	Wired IP	WireLess IP		
VTH Set	WIFI Name			ON	
VTO Set	Sophie		Connected	(
Default	Center_iMatrix				
	parker_zhoujie			((;-	
	dahuavip			((;-	
	cortana			(
				<	>

9 901		🤋 角					
Network	WLAN		Wired IP		>	WireLess IP	
VTH Set	Local IP						
VTO Set	Subnet Mask						
Default	Gateway						
	MAC						
	DHCP	0	N				
				OK			

4. How to add VTO on VTH

Enter VTH project setup>VTO Set. Fill in VTO name, master VTO Wireless IP address, set enable status to on.

9901		VT	O Set					₹
Network	Main_VTO Name	Main VTO						
VTH Set	VTO IP Address	192 . 168	. 43	. 172				
	Device Type						-	
VTO Set	VTO Middle No.							
Default	User Name	admin						
	Password	•••••						
	Enable Status	ON						
							<	>
TCP/IP	FTP	Port		D	DNS		P2P	
Eth0:					Eth2:			_
IP Address	192.168.1.110			IP A	ddress	192.168	.43.172 🖌	
Subnet Mask 255.255.0.0				Subne	t Mask	255.255	.255.0	
Default Gateway 192.168.1.1				Default G	ateway	192.168	.43.1	
MAC Address	MAC Address 3c:ef:8c:07:b1:8		MAC Address			3c:ef:8c:07:b1:bc		
DNS Address	8.8.8			DNS A	ddress	192.168	.43.1	
					DHCP	On	⊖ Off	
				Default In	terface) eth0	• eth2	
	Default	efresh	OK					

Don't forget to add VTH on VTO.

4.1 Check result

After the above operation steps, if the top right corner of VTH shows an icon with 'X'



, means configuration failed. If shows



5. How to connect ASL series with VTO2111(433)

Step 1 Press the button at the rear to enter administrator interface.



Step 2 The default password is 123456#. The first time you enter the administrator interface, you will be reminded to change the administrator password.



Step 3 Press '5' to enter the WIFI VTO connecting mode.



Step 4 Press the call button for 5 seconds. There will be three beep, representing VTO areIn connecting mode. Wait a few seconds. If it comes one beep, it represents successfulconnection. If there is three, try again from step 2.



Step 5 Check the opening record: Go to Info Search>Unlock Record.

			IP VE	IP VDP Door Station		Web Server V1.0		
► System Config	VTO Unlock Record		. S					
 Info Search Call History 	Index	Unlock Type Remote Unlock	Room No.	Username	Card Number	Unlock Result Success	Unlock Time 2017-10-30 07:49:40	
Alarm Record Unlock Record	Export Record						📕 🖣 1 / 1 🕨 🎽 Go to	j
Status Statistics								
r Logoui								

Note: Remember the ASL21 series work as lock 2. Lock and VTO are one-to-one, and cannot connect with a new VTO or lock after being added. If needed, you are supposed to remove the binding firstly.

Remove the binding between VTO and lock :

- 1. Remove the lock on VTO WEB : (补充)
- 2. Remove the VTO on lock : Enter administrator interface, press '5'+'*'.

6. How to connect wireless detector

The single - chip version of VTH should be upgraded to 2017.

(补充)