



Yealink Network Technology CO., LTD

Yealink VC110 Video Conferencing Endpoint Quick Start Guide

V21.20

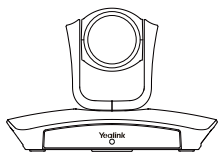
Applies to firmware version 50.21.0.20 or later

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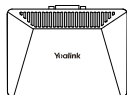
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Packaging Contents



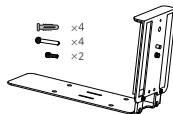
VC110 All-in-one Unit



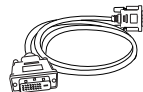
Cable Hub



Remote Control
AAA Batteries × 2



VCC110 Mounting Accessories



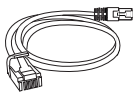
DVI Cable



VGA Cable



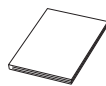
HDMI Cable



Ethernet Cable
(2m)



Power Adapter



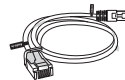
Quick Start Guide



Cable Ties × 5



VCM30



Ethernet Cable
(7.5m)

Microphone Array Package



Velcro × 2



VCM60



Dongle



Power
Adapter



USB Cable



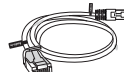
Quick Start
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Video Conferencing
Phone



CPE80 Expansion
Microphone × 2



Ethernet Cable
(7.5m)



3.5mm Audio Cable

Video Conferencing Phone Package



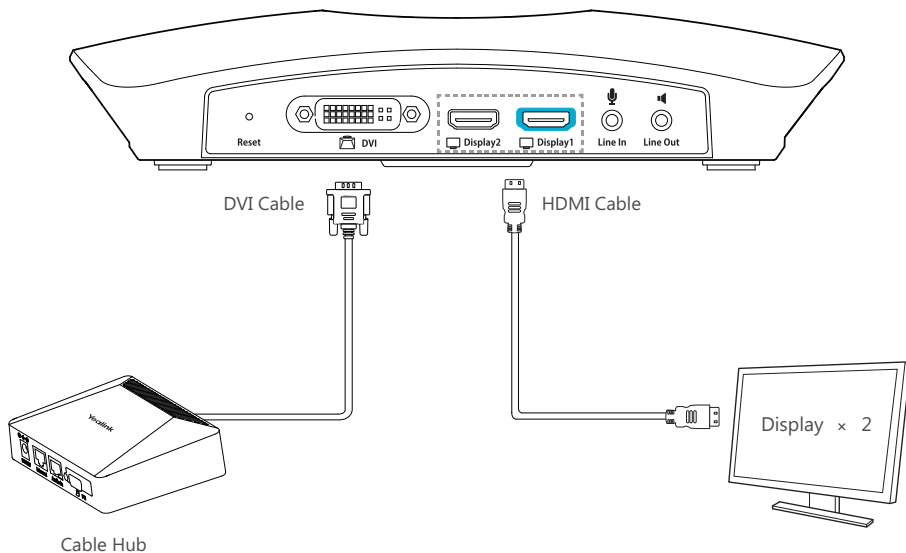
Please use the Yealink-customized DVI cable (only for VC110)



VC110 all-in-one unit can work with the video conferencing microphone array, video conferencing wireless microphone or video conferencing phone. You can purchase any combination according to your needs.

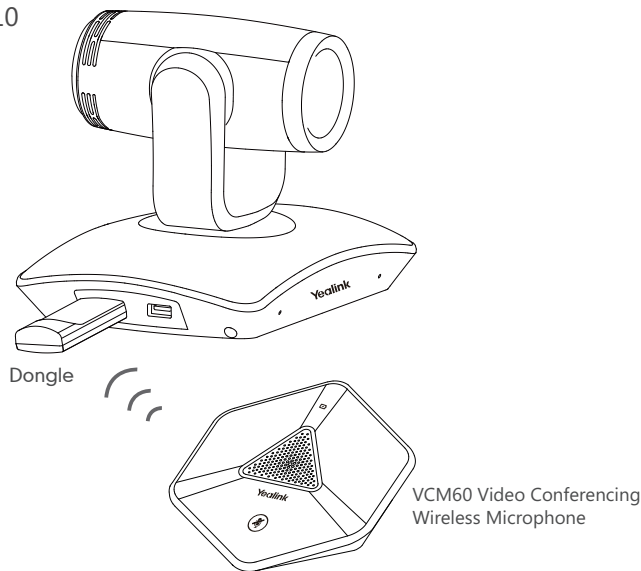
VC110 All-in-one Unit Connection Diagram

- The Back of the VC110



Please connect to Display1 port in blue color if you have only one display device

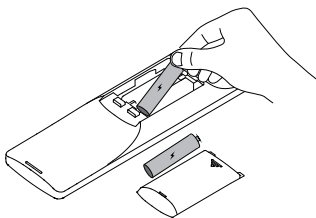
- The Right Side of the VC110



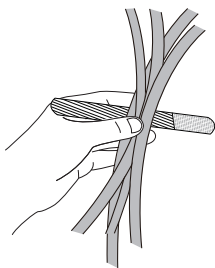
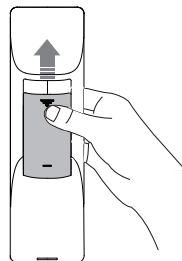
The VCM60 video conferencing wireless microphone and dongle are automatically “paired” at the factory. All you need to do is connect the dongle to one of the USB ports on the VC110 all-in-one unit. After the VCM60 is turned on, the VCM60 will register with the dongle automatically.

 For more information, refer to [Yealink VCM60 Video Conferencing Wireless Microphone Quick Start Guide](#)

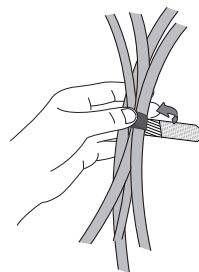
Remote Control and Cable Ties Installation



Install batteries



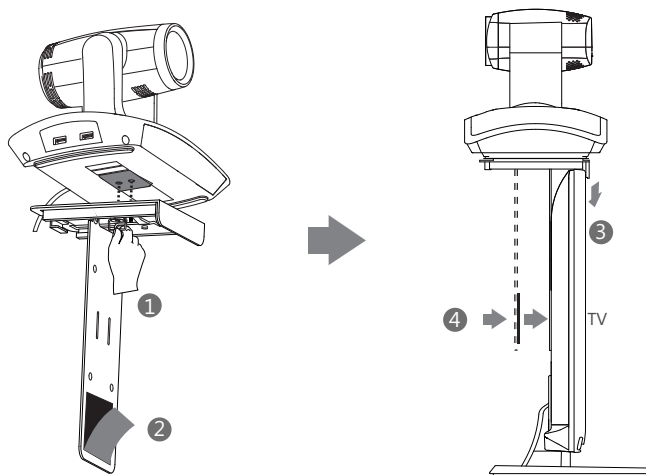
Fasten the cables with the cable tie



VC110 All-in-one Unit Installation

- Hanging Mode

Please choose the following installation mode when the thickness of the TV is between 35-120mm.

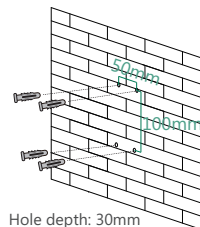


Steps: ① Lock the VC110 all-in-one unit to the L-bracket. ② Remove the protection of the Velcro. ③ Put the L-bracket on the top of the TV. ④ Make sure the back of the TV is clean, and then adjust the bracket to ensure close adhesion to the back of the TV with Velcro.

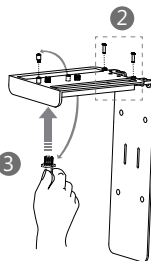


Adjust the bracket to ensure close adhesion to the back of the TV.

● Wall-mount Mode

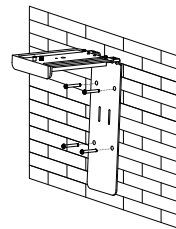


①



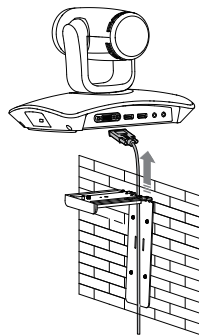
②

③

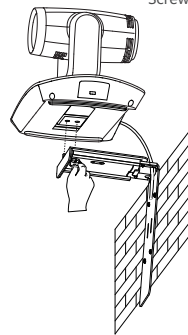


④

Screw specification: T4×30



⑤



⑥

Steps: ① Punch holes & Insert expansion bolts

② Drive screws

③ Adjust the screw position and manually

lock it ④ Insert screws to lock the bracket to the wall

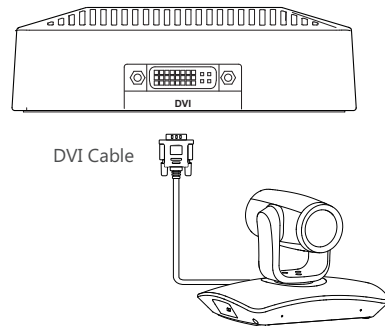
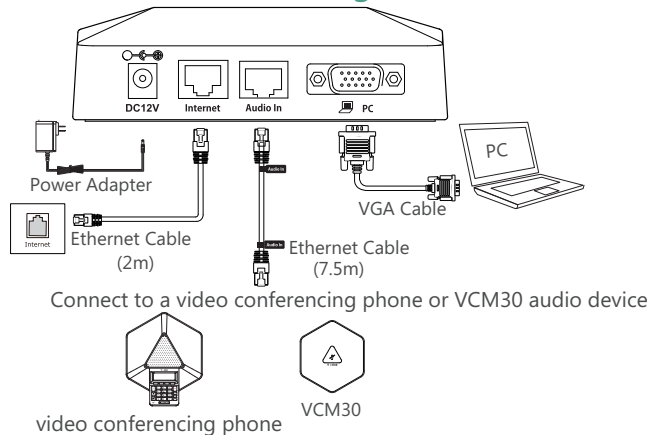
⑤ Connect DVI cable

⑥ Lock the camera



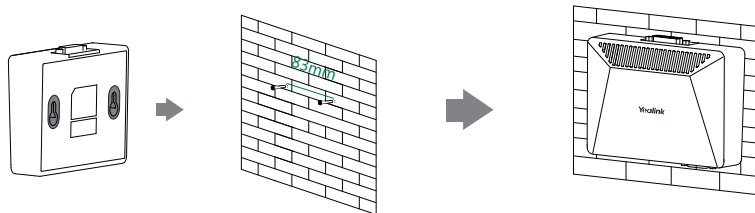
The recommended height for VC110 all-in-one unit positioning is 1.5m-1.8m

Cable Hub Connection Diagram



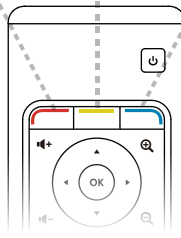
- 💡 The VC110 video conferencing endpoint should be used with Yealink original power adapter (12V/2A) only.
- 💡 The cable hub can also be powered from a PoE-compliant switch or hub.

Wall Mount Method for the Cable Hub



- 💡 To hang the cable hub on the wall, you need to purchase the screws (specification: T4 × 30) separately.

Main Screen



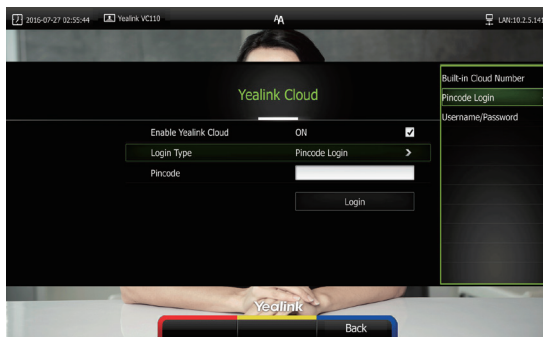
Network Deployment

VC110 supports two network deployment methods: Yealink Cloud deployment and traditional deployment. Choose the desired deployment method according to your needs.

● Yealink Cloud Deployment

With Yealink VC Cloud management service, organizations can communicate just using a Cloud account. Both the head office and the branch offices can use this deployment method. Get Cloud account information from your Cloud enterprise administrator, and do the following to sign into your VC110 via remote control:

- Select **Menu->Advanced** (Admin Password:0000)->**Yealink Cloud**
- Select desired sign-in method from the pull-down list of **Login Type**
 - 1) You can sign into the 9-digit enterprise Cloud account using PIN code or username/password (enterprise Cloud account can be managed via Yealink VC Cloud Management Service)
 - 2) You can also use 7-digit build-in Cloud number (build-in Cloud number cannot be managed via Yealink VC Cloud Management Service)



● Traditional Deployment

If you do not use Cloud accounts, you can choose traditional deployment method to deploy your VC110, and dial IP addresses of other devices to make a call.

In order to ensure that the VC110 can work properly, please configure it according to the role it plays in the meeting. If it is in the head office, please make sure that it is reachable from public network. If it is in branch office, please use intelligent firewall traversal to deploy it or just follow the same steps as for the head office.

Head Office

If you deploy VC110 in the head office, at least one static public IP address is required in the head office to allow branch offices to connect. Do one of the following to deploy VC110:

Option1: To deploy the VC110 on a public network, at least one static public IP address is required, you need to assign a static public IP address to the VC110.

Option2: To deploy the VC110 in an Intranet (behind the firewall), you must assign a static private IP address to the VC110. In the meantime, do port mapping on the firewall for VC110.

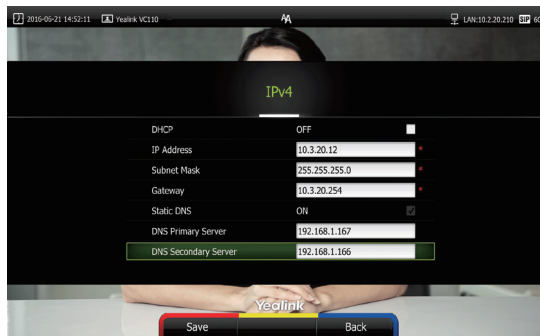
Configure a Static IP

The following introduces how to configure a static IP address for the VC110.

For example: use the remote control to configure a static IPv4 address to your VC110.

- Select **Menu->Advanced** (Admin Password:0000)->**LAN Configuration**
- Select **IPv4** from the **IP Mode** pull-down list
- Select **IPv4**
- Turn off the **DHCP**

- Enter the IP address, subnet mask, gateway and DNS information in corresponding fields.



- Press **Save** to save the configuration,
- The screen prompts **Reboot now** . Press **OK** to reboot the endpoint.

Configure Port Mapping

If the VC110 is deployed in an Intranet, and you want to solve the interconnection problem by port mapping, you must forward the following ports to the public network on the firewall.


Function	Port	Protocol Type
H.323 signal port	1719-1720	UDP/TCP
Audio & Video media stream port	50000-50499	TCP/UDP
Web management port (optional)	443	TCP
SIP (optional)	5060	TCP/UDP


Branch Office

If you deploy VC110 in the branch office, do one of the following to deploy it:

Option1: Deploy the VC110 following the same steps as for the head office. In this way, both inbound and outbound calls will be available.

Option2: Deploy the VC110 using an intelligent firewall, which means that plug and play is possible without any further firewall configuration, but only outbound calls are available.

 Please note that when the VC110 is deployed with an intelligent firewall, you have to open ports (as shown below) permission if they are restricted



 It is recommended that you forward the web management port(443/TCP) to the public network, so that the head office can remotely manage the branch office.

Function	Port	Protocol Type
H.323 signal port	1719-1720	UDP/TCP
Audio & Video media stream port	50000-50499	TCP/UDP
SIP (optional)	5060-5061	TCP/UDP

Bandwidth Requirements

- To ensure the performance of video conference, the recommended bandwidth for VC110 is as below:

Video Resolution	Recommended Bandwidth
Full HD 1080P	1.3Mb
People 1080P+Content 1080P	2.6Mb

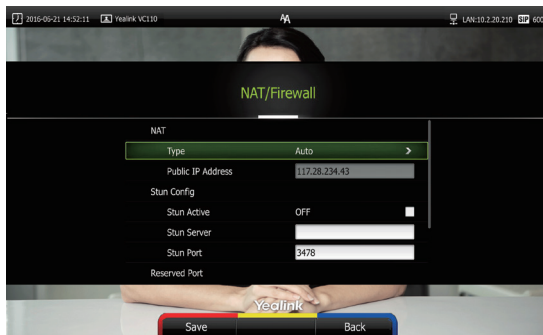
-  For more information of the configurations, contact your system administrator.
-  The bandwidth mentioned above is based on two-way conference. Bandwidth in head office should be increased along with the growing number of connected branch offices .

Troubleshooting

- After the installation and deployment, you can test the VC110 by dialing Yealink Demo Room. If you can't dial out successfully, please contact your IT administrator to check the internal network configuration.
- Assume that you are A in head office and use the configuration method in "Head Office" chapter on page 10, you are able to call B in branch office or Yealink Demo, but they cannot reach you. The most likely reason is the firewall or gateway in the environment does not support H.323 ALG feature. In this situation, please take the following actions so that the NAT feature on the VC110 can solve this problem.

To configure NAT via the remote control:

- Select **Menu->Advanced** (Admin Password:0000)->**NAT/Firewall**
- Select **Auto** from the **Type** pull-down list, the endpoint will obtain public IP address automatically.
- If the endpoint does not obtain a public IP address automatically, select **Manual Settings** from the **Type** pull-down list, and then enter the public IP address in the **Public IP Address** field.



Yealink Test Room IP: 117.28.251.50、117.28.251.51



For more information, visit the Yealink website:
www.yealink.com

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