

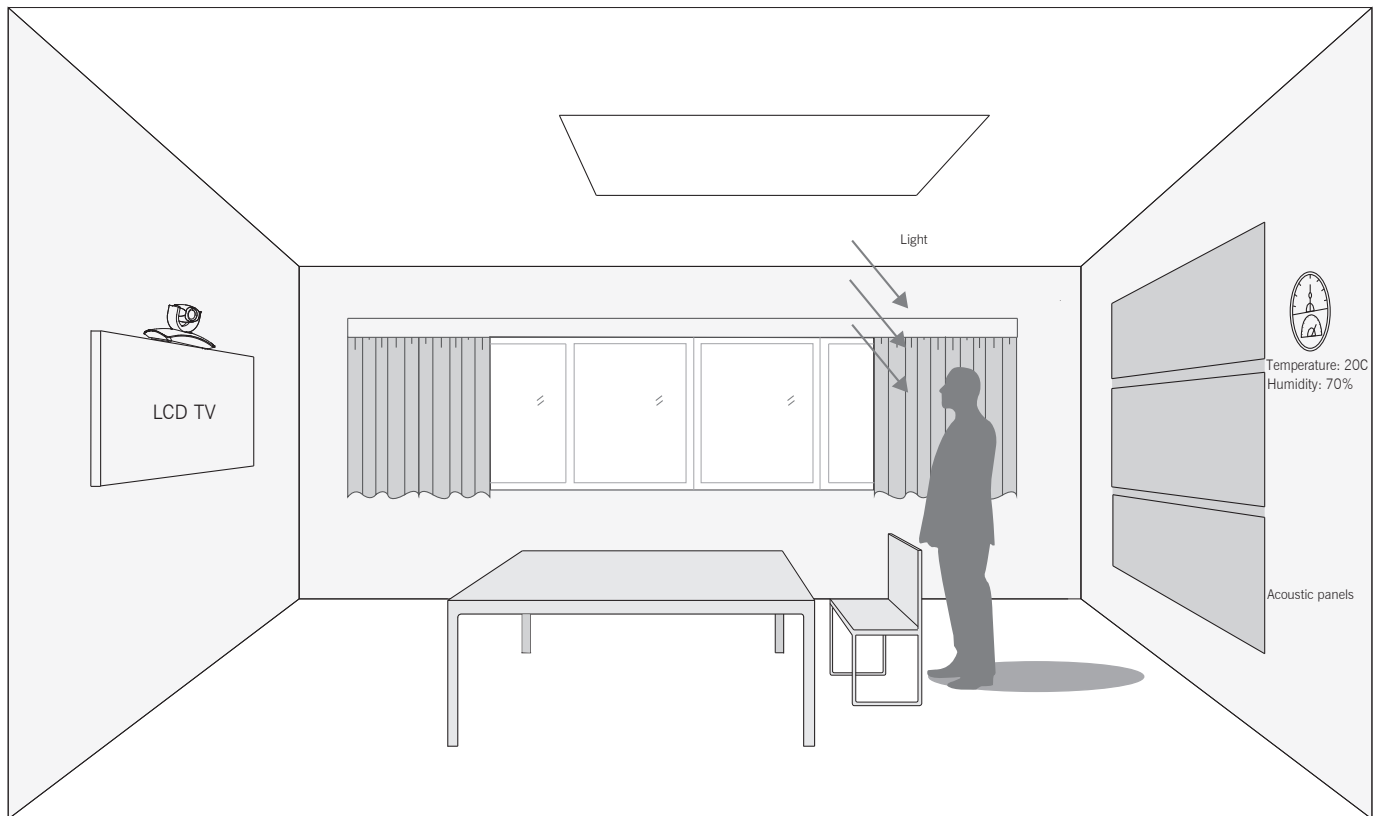


Deployment Guide for Your Video Conference Room

Applies to: VC400 & VC120

Requirements of Video Conference Room

To make the video conferencing system to achieve a good effect, the rational design of the conference room is very important, suggestions are as follows:



1. Conference Room Environment

- Keep the indoor temperature and humidity appropriate is the basic element to make the video conferencing system steady and work reliable. And the recommended temperature is 15-25 degree centigrade, humidity is 60-80 percent.
- The recommended environmental noise in the conference room is within 40 dB (A). The loud indoor noise, such as the noise of the air conditioner, can affect the performance of the audio system, causing people in the other conference room cannot capture the speaker's voice.

2. Conference Room Setup

- The scenery around the conference room, the color of the table and chairs may affect the quality of image pickup, so complete white or black should be avoided. These two colors can produce reflections and less brightness which affect the image pickup.
- The wall around the conference room, table and chairs should use uniform light color, such as beige or grey. The wall of the conference room should not use complex pattern or hang complex portrayals, so as to avoid getting fuzzy when the camera is moving or zooming.

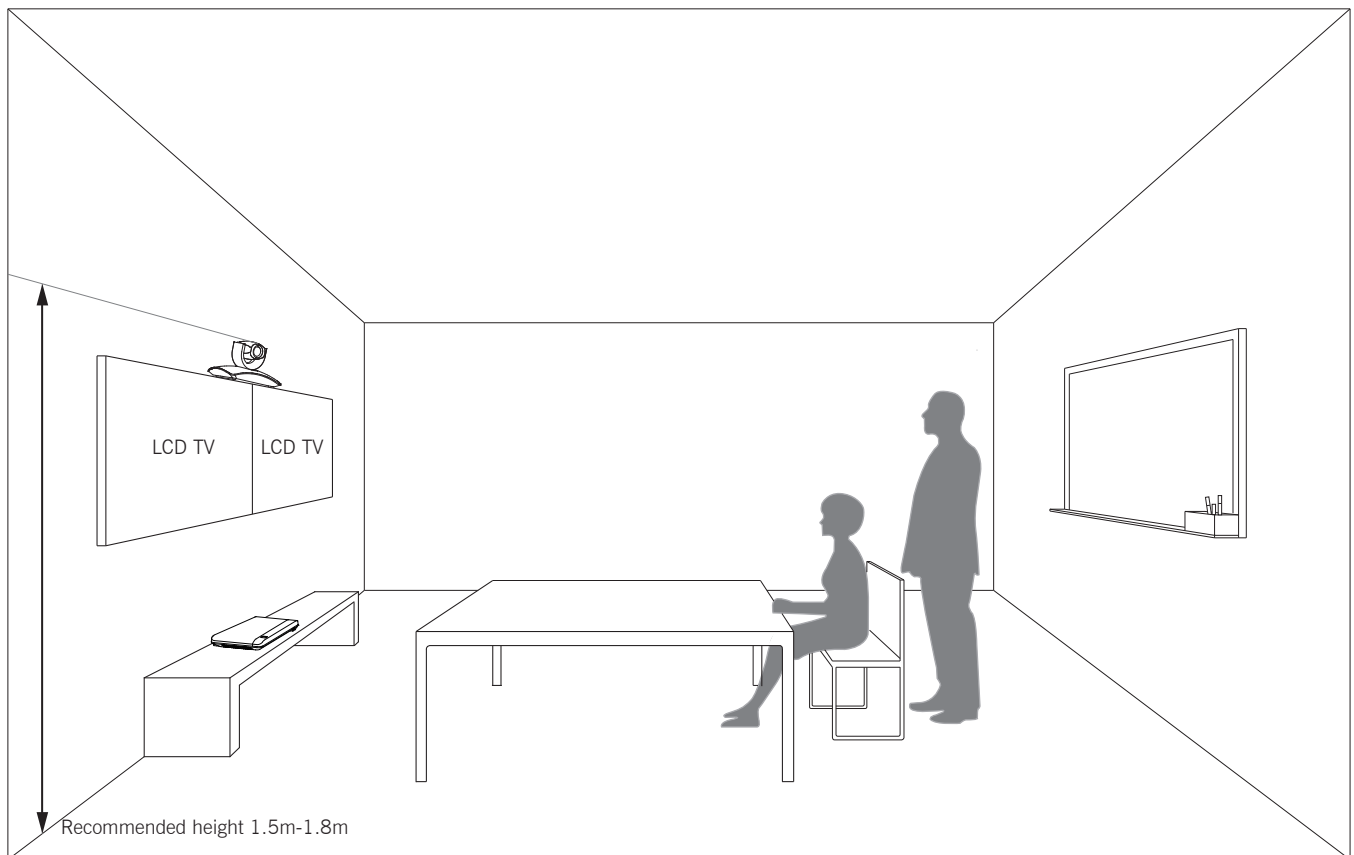
3. Conference Room Illumination

- Lighting is an important factor in the conference room. Conference room should avoid using natural light, because the natural light changes through the day. Artificial light is the preferred solution. When using artificial light, preferentially choose cold light source, and the "three primary colours" (R, G, B) works best. Avoid using the thermal light source, such as high intensity of iodine-tungsten lamp.
- The recommended light intensity for face is 400 to 500 lux. Light distribution should be reasonable in the conference room. Ensure even distribution of the light on faces (eyes, nose, and jaws shadow), light intensity around LCD TV and video camera should be less than 80 lux, otherwise it will affect the image pickup and viewing. All the windows should use brunet curtains to avoid direct sunlight.

4. Conference Room Acoustic Requirements

- The ceiling in the hall and walls around conference room are suggested to install acoustic panels, and use double deck glass or curtain, in order to heighten an effect of sound insulation and sound-absorbing.

Recommendations of Camera Installation



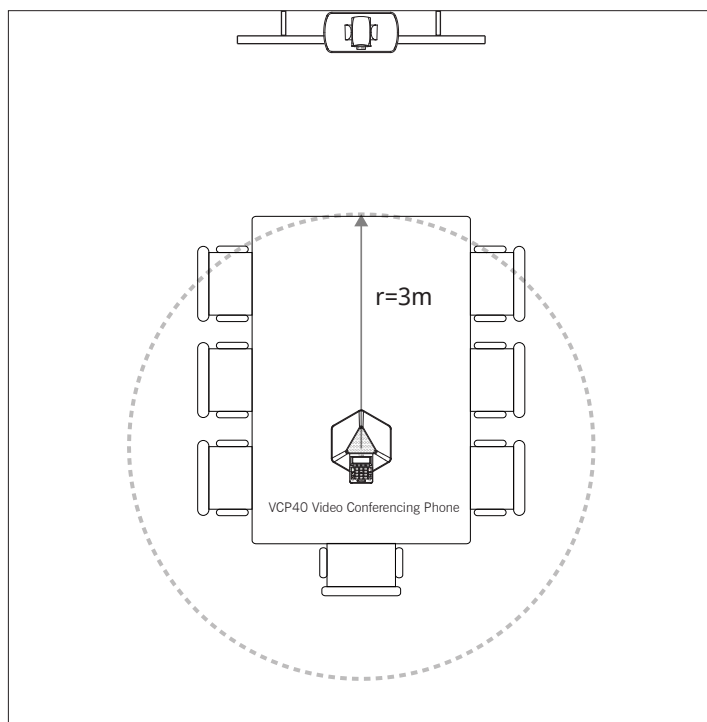
- Install the LCD TV and video camera relative to the center of the participants. Ensure that the participants face to the camera and LCD TV directly during calls.
- The camera should be mounted on the wall, about 1.5 m to 1.8 m above the ground. Install the LCD TV below the camera.
- The camera should not face to the light source directly, to prevent bad experience caused by dazzling light.
- An infrared receiver is located in the camera. Make sure no obstruction is in front of the camera.
- Because of length limitation of the DVI cable, the distance between camera and Codec should be less than 3 m.
- The camera should not directly face to the door, the movement of people will affect the camera focus.

Others

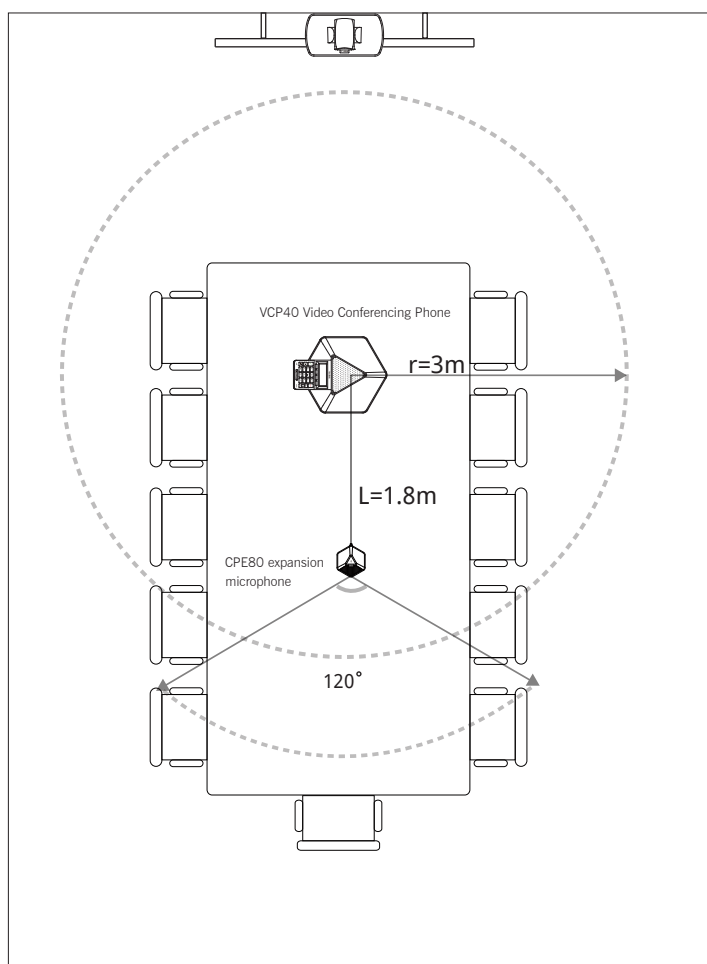
- Place the whiteboard in the opposite of camera.
- Distance between participants and LCD TV is about 4-6 times the height of the screen.

Deployment Solutions of Yealink Audio Devices

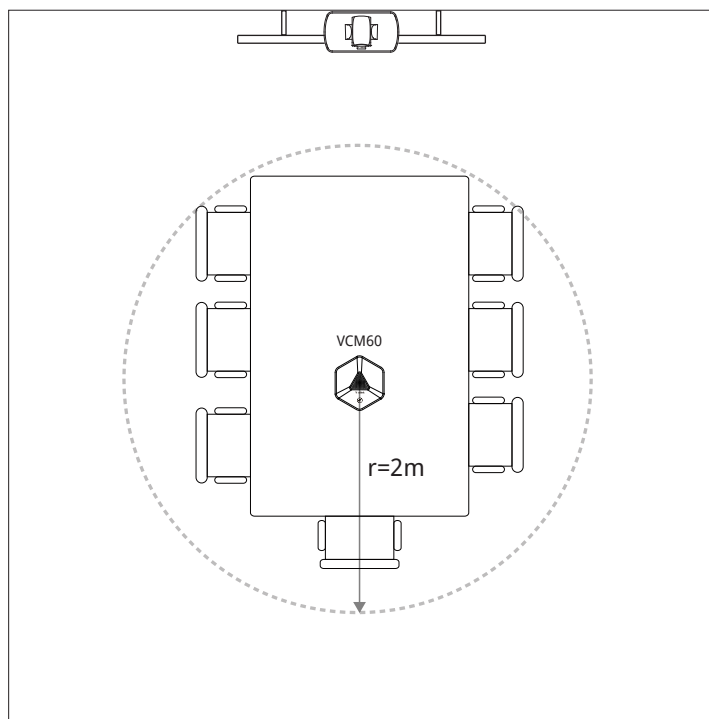
Video conferencing system supports different audio input devices according to the conference requirements. Such as VCM60 video conferencing wireless microphone, VCM30 video conferencing microphone array or VCP40 video conferencing phone. Deployment solutions for different audio input devices are as follows:



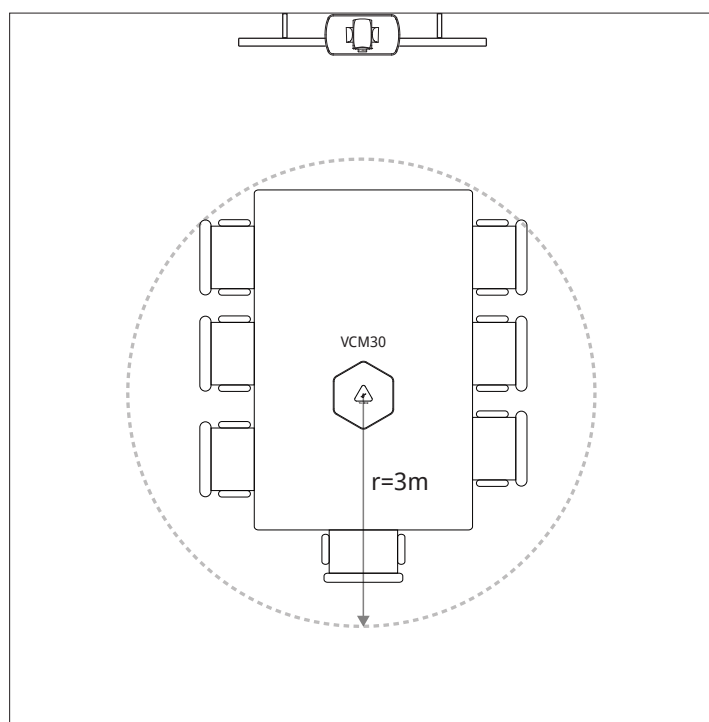
- VCP40 supports 360-degree audio pickup at a radius of up to 3 meters.
- Far away from the noise source when installing VCP40 (such as air conditioner or computer host).
- VCP40 should be placed in the center of all participants, make sure that all participants are within the scope of pickup.
- If you need to connect an expansion microphone, the arrangement of microphones should make the sound field to be evenly distributed, then it will avoid echo from microphone.



- When the area of the conference room is more than 15 square meters or the distance between a speaker and VCP40 video conferencing phone is more than 2 meters, a CPE80 expansion microphone could be connected to the MIC port on the VCP40 video conferencing phone, to pick up sound effectively.
- CPE80 expansion microphone is a directional microphone, which supports 120-degree audio pickup and should be faced to the speaker.
- VCP40 video conferencing phone provides two MIC ports. Please choose any one to connect as required.
- The scope indicated by the dotted line has the best effect. If you cannot achieve good effect at your seat, you can move the microphone to a suitable place.



- VCM60 supports 360-degree audio pickup at a radius of up to 2 meters.
- When using the VCM60, the area of the conference room should be less than 15 square meters.
- The VCM60 video conferencing wireless microphone should be less than 30 meters distant from the dongle, and there are no obstacles between them.
- Place the VCM60 on a stable surface and keep it away from obstacles so that it can effectively pick up sounds.



- VCM30 supports 360-degree audio pickup at a radius of up to 3 meters.
- When using the VCM30, the area of the conference room should be less than 20 square meters.
- Place the VCM30 on a stable surface and keep it away from obstacles so that it can pick up sounds effectively .