Designed for Better Collaboration

VC800 is the second generation full-HD video conferencing system launched by the Yealink. It is not only equipped with the strongest embedded MCU within the industry, thus can support 24-site HD video conferencing plus two virtual meeting rooms; but also a new 1080P/60FPS and 12x optical PTZ camera, delivering immersive image quality in a wide range of light conditions. The VC800 backs up H.265/HEVC video codecs, saving half of the bandwidth compared to H.264, and at the same time it can resist up to 30% of the network packet loss. Equipped with the new Yealink CP960 5-inch touchable VCS Phone, which has built-in 3-microphone array and voice pickup range up to 6 meters; it can be extended with the two DECT-based wireless microphones; in addition, Yealink and Haman Kardon co-develop Speaker helps to achieve the ultimate audio experience. Furthermore, VC800 supports H.323/SIP dual standard protocols, deeply integrates with Yealink Meeting Server and Yealink VC Cloud Management Service as well as the leading cloud platform, such as StarLeaf/Pexip/Zoom/Bluejeans/Mind and so on. All combine to make VC800 one of the perfect solution for the medium-to-large meeting rooms.

5″ Touchable Phone	Wireless Microphones	24-way Built-in MCU	2 VMR Two VMRs	H.265 H.265 / HEVC	60FPS 1080P / 60FPS

Key Features and Benefits

The most powerful built-in MCU within the industry

VC800 supports up to 24-site high-definition video conferencing and two virtual meeting rooms. Moreover, it backs up Active Speaker and local meeting control, making the meeting be in an orderly manner.

The ultimate audio-visual experience

Using a new 12x optical PTZ camera, it supports 1080P/60FPS video call, thus greatly enhancing the fluency of video conferencing and making the presentation more vivid even in details. Furnished with a new conference phone CP960, a built-in 360° microphone array, two wireless expansions microphones, the haman kardon speaker and Opus audio codec, all of these guarantee VC800 to create an ultimate audio experience for users.

Super network adaptability and its applications in enterprises across the public network

Thanks to the H.265/HEVC video codecs, just with the minimum 512kbps, 1080P video calls can be realized, thus saving more than 50% bandwidth than H.264. Using the latest anti-packet loss technology of Yealink, it can resist up to 30% of the network packet loss, without any mosaic. It also supports an on-demand access mechanism under MCU mode, thereby saving up to 50% of the uplink bandwidth in the branch office.

Streamlined installation and touch enabled

With camera and codec combined, it takes just one cable to connect TV area and conference table, greatly reducing the difficulty of installation and wiring. Its dual high-definition input interface (HDMI & Mini-DP) can be matched to the mainstream computers in the market. The new VCS phone has a 5-inch multi-touch screen, making the membership and meeting control become more simple and intuitive, not interrupting the meeting as well.

Open interconnection, and deep integration with the mainstream cloud platform

By virtue of deep integration with Yealink Meeting Server, only one tap can help you create a real-time meeting or join an appointment meeting. It supports Yealink VC Cloud Management Service, thus making rapid deployment possible. Meanwhile, it backs up H.323/SIP dual protocols, integrates deeply with the mainstream cloud platform such as StarLeaf/Pexip/Zoom/Bluejeans/Mind and is compatible with leading video conferencing system.

- Built-in 24-site multipoint and can be divided into two virtual meeting rooms
- 1080P/60FPS and 12x optical PTZ camera
- H.265/HEVC video codec, 1080p30 from 512Kbps bandwidth
- Super video packet loss recovery technology, resistant up to 30%
- 5-inch touchable conference phone with harman kardon speaker
- Two DECT-based wireless expansion microphones
- Two HDMI output and two HD content input (HDMI + Mini-DP)
- Deeply integrate with leading cloud platforms: Yealink Cloud, Yealink Meeting Server, StarLeaf, Pexip, Mind, Zoom and BlueJeans

Package includes:
- VC800 Codec（integrate camera）
- Video Conference Phone CP960
- CP Wireless Expansion Mic CPW90 (2 units) or CP Wired Expansion Mic CPE90 (2 units)
- Remote Control VCR11
- Cable Hub VCH50
- Cable Bundle

Full-HD PTZ Camera
- 1920 x 1080 video resolution
- 60 frame rate
- 12x optical zoom PTZ camera
- Horizontal field of view: 70°
- Vertical field of view: 42°
- Pan angel range: +/- 100°
- Tilt angel range: +/- 30°
- Beauty shot

Multipoint Capacity
- Built-in multipoint up to 24 site at 1080p30
- Multipoint license for 8/16/24 sites
- Supports two virtual meeting rooms
- Additional one-way audio call
- Mixed protocols, codecs, bandwidth, resolution, and frame rate

Video Standard and Network Suitability
- Video codecs:
  H.265/HEVC, H.264 High Profile, H.264, H.263
- Bandwidth dynamic adaptive adjustment
- Forward Error Correction (FEC), anti 30% video and audio packet loss
- Shared content and audio preference strategy
- Bandwidth/protocol/ auto adaptive

VCS Phone CP960 and Audio Features
- 5-inch touchscreen with 1280*720 resolution
- Harman kardon speaker
- Built-in 3-microphone array
- 20ft/360° voice pickup range
- Supports 2 wireless (or wired) expansion mic
- Audio codecs:
  - Opus, 8~48kHz sampling rate
  - 14kHz bandwidth with G.722.1C
  - 7kHz bandwidth with G.722.1
  - 3.4kHz bandwidth with G.711 (PCMA/PCMU)
- Audio technology:
  - Acoustic echo cancellation
  - Automatic gain control
  - Yealink Noise Proof Technology
  - CNG, PLC, AJB, De-Rerb

Call Features
- 1080p60 people + 1080P30 content sharing video quality
- Video Layout:
  - Voice activation (onePlusN)
  - onePlusN, maximum 1+7 viewable participates
  - N*N, maximum 3*3 viewable participates
  - Picture-in-picture (PIP) , full-screen
- Video/audio recording and playback
- Dual displays and 'focus' feature
- Screenshots in USB flash drive
- Group dial
- Meeting control:
  - invite/remove
  - mute/unmute participates (only for Yealink Meeting Server)
  - lock
- DND (do not disturb), call statistics
- Auto answer, mute, and call waiting
- Virtual meeting room password
- Virtual keyboard
- Local directory: 500 entries
- Call history: all/missed/received/dialed
- LDAP phonebook
- Multi-language support

Standard Communication Protocol
- H.323/SIP
- Dual stream protocol: H.239 (H.323)/BFCP (SIP)
- FECC: H.224/H.281, Sony VISCA and PELCO D/P
- H.323 protocol suite: H.245, H.225, H.235, H.241
- Gatekeeper account and SIP account

Compatible Cloud Platforms
- Yealink Cloud Management Service
- Yealink Meeting Server
- StarLeaf/UC OpenCloud, supports QCP code
- Pexip/Mind/Zoom/BlueJeans

Network and Security Features
- IPv4 and IPv6, DHCP/static IP
- HTTP/HTTPS web server
- RS232/HTTP API for control system integration
- SRTP/TLS, AES 128-bit encryption
- QoS: 802.1p/q, Diff-serv
- VLAN, IEEE802.1X, LLDP-MED
- Anti-attack
- Network diagnosis: Ping, trace route
- Time and date synchronization using SNTP
- Built-it certificate

NAT and Firewall Traversal
- NAT (manual/auto mode)
- ICE/TURN/STUN
- Yealink intelligent firewall traversal
- Open VPN, H.460

Configuration Management
- Configuration via browser/display/auto-provisioning
- Virtual remote control
- Firmware upgrading, factory resetting
- Export or import configuration
- System log exporting

VC800 Codec Connections
- 2 x HDMI output
- 1 x Line-in (3.5mm)
- 1 x Line-out (3.5mm)
- 1 x Yealink extension port (RJ-45) connect to VCH50 /CP960 Phone
- 1 x 10/100/1000M Ethernet port
- 2 x USB 2.0
- 1 x Power port
- 1 x Security lock slot
- 1 x Reset slot

VCH50 Connections
- 1 x RJ45 connect to VC800 codec
- 1 x RJ45 connect to CP960
- 1 x HDMI input for content sharing (with audio)
- 1 x Mini-DP input for content sharing (with audio)
- 1x USB 2.0 for recording

Other Physical Features
- External Yealink Power Adapter:
  AC 100~240V input and DC 48V/0.7A Output
- Wall/TV mounted shelf with screws
- Power consumption (PSU):
  Idle＜W, normal operating: W; MAX: W
- Dimension (W.D.H):
  - VC800 codec: mm x mm x mm
  - CP960: mm x mm x mm
  - VCR11: mm x mm x mm
- Operating humidity: 10~95%
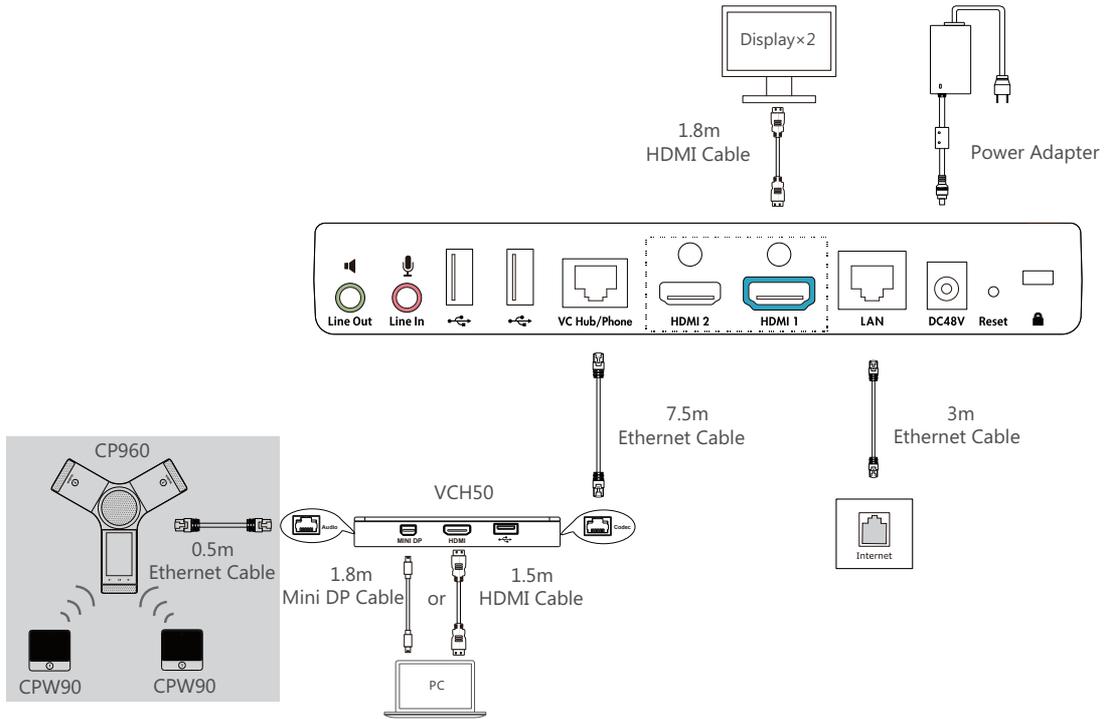- Storage temperature: -10~50°C

Package Features
- N.W/CTN: kg
- G.W/CTN: kg
- Giftbox size: mm x mm x mm
- Carton Meas: mm x mm x mm

Compliance

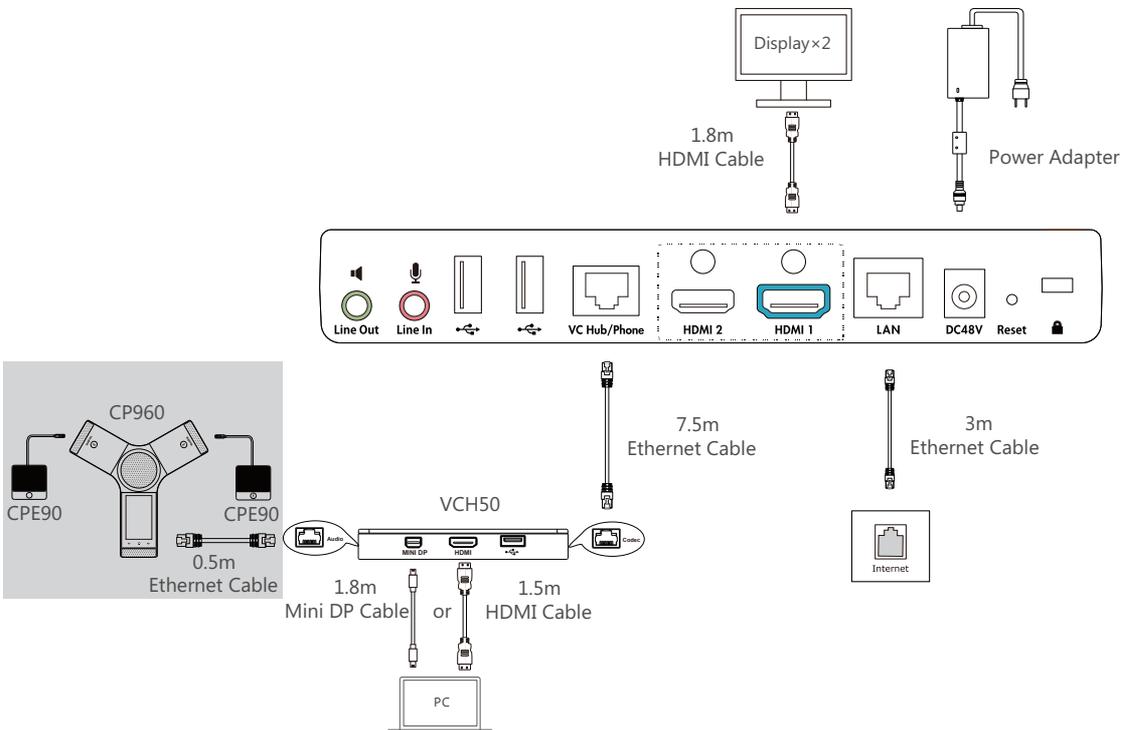CE ⬦ FCC Certification RoHS Compliant REACH ISO 9001

Connections

- If you use CP Wireless Expansion Mic CPW90, you can do the following:

Display×2

1.8m
HDMI Cable

Power Adapter

Line Out | Line In | VC Hub/Phone | HDMI 2 | HDMI 1 | LAN | DC48V | Reset

7.5m
Ethernet Cable

3m
Ethernet Cable

CP960

0.5m
Ethernet Cable

VCH50

Audio | MINI DP | HDMI | Codec

Internet

CPW90   CPW90

1.8m
Mini DP Cable   or   1.5m
HDMI Cable

PC

💡 Please connect to the HDMI 1 port if you only have one display device.

💡 You can also connect the VC Hub/Phone port on the VC800 codec to the Internet port on CP960 conference phone directly.

- If you use CP Wired Expansion Mic CPE90, you can do the following:

Display×2

1.8m
HDMI Cable

Power Adapter

Line Out | Line In | VC Hub/Phone | HDMI 2 | HDMI 1 | LAN | DC48V | Reset

7.5m
Ethernet Cable

3m
Ethernet Cable

CP960

CPE90   CPE90

0.5m
Ethernet Cable

VCH50

Audio | MINI DP | HDMI | Codec

Internet

1.8m
Mini DP Cable   or   1.5m
HDMI Cable

PC

💡 Please connect to the HDMI 1 port if you only have one display device.

About Yealink

Yealink (Stock Code: 300628) is a global leading unified communication (UC) terminal solution provider that primarily offers video conferencing systems and voice communication solutions. Founded in 2001, Yealink leverages its independent research and development and innovation to pursue its core mission: "Easy collaboration, high productivity." The company's high-quality UC terminal solutions enhance the work efficiency and competitive advantages of its customers in over 100 countries. Yealink is the world's second-largest SIP phone provider and is number one in the China market.

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Technical Support

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