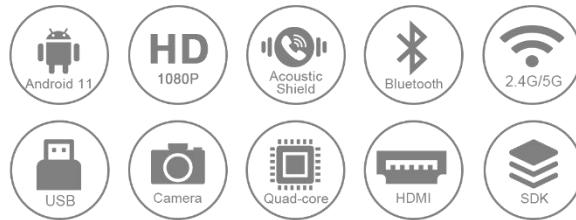# Enterprise Video Phone

## ——Smart IP Phone UCV50

UCV50 is an enterprise video phone that runs on Android 11 operating system, with smoother operation experience. 8" 1280x800 multi-point touch IPS screen and HD voice brings you realistic visual-audio experience. Its built-in 8 mega-pixel camera enables convenient and fast video conference. In terms of team collaboration, UCV50 supports HDMI port for an external display; the three multi-function USB ports, as well as built-in Bluetooth and dual band Wi-Fi (2.4G/5G), can adapt to more flexible office scenes and easily improve productivity. The T-Flash can greatly expand the storage space of the IP Phone. This phone has faster response speed and richer expansion functions. Through UCV50, you can conduct remote collaboration better than ever.

| | | | | |
|---|---|---|---|---|
| Android 11 | HD 1080P | Acoustic Shield | Bluetooth | 2.4G/5G |
| USB | Camera | Quad-core | HDMI | SDK |

## Key Features and Benefits

### 1. Up-to-date performance, efficient remote maintenance

Equipped with Quad-Core Cortex-A55 CPU, Mali-G52-2EE GPU, 2GB RAM, and 16GB eMMC flash memory, based on the mostly widely deployed Android 11 OS, UCV50 has smoother operation experience, supports numerous multi-media smart APPs on Google Play.

Open Htek software development kit (SDK) gives users highly customized "audio/video smart phone platform + APP" experience.

Supports advanced tools like Htek Device Management System (HDMS) to remotely complete automatic deployment, firmware update and device management.

### 2. 8-inch HD Touch Screen, intelligent cooperation experience

The UCV50 adopts an 8-inch high-definition touch screen, an 8 mega-pixel built-in HD camera, supports 1080p HD video calls and up to ten-way audio/video mixed conference (at most 4-way video).

Furthermore, the one-piece foot stand's angle can be adjusted freely, supports wall mounting, fulfilling different customer needs, suitable for various usage scenarios.

### 3. Effective noise removal, undisturbed conversation

Supports several audio Codecs like Opus etc.; sampling rate of Opus cover all the way from 8 kHz (narrowband), 16 kHz (wideband), 32 kHz (ultra-wideband) to 48 kHz (all-band).

It applies advanced acoustic shield technology, which improves AEC, shows excellent double-talk performance, and restores clear and clean voice.

### 4. Rich and practical functions, flexible connection modes

UCV50 carries over traditional SIP phones' functions – it has many built-in native applications and is compatible with SIP platforms and devices globally. It supports SRTP/TLS and ZRTP media stream encryption, 802.1x media access control, MD5 and MD5-sess based authentication request, AES security profile and other well-established security guarantee mechanism. Besides dual-port Gigabit ethernet ports and PoE, it has smoother wireless connection with built-in dual-band Wi-Fi (2.4G/5G) and Bluetooth; it has USB type-A 2.0, USB type-A 3.0 and USB type-C 2.0 interfaces, supports HDMI fast screen projection, and the Micro SD card slot expands the phone memory. In addition, UCV50 also supports UC46 expansion modules and EHS30 wireless headset adapters.

- Android 11
- Quad-core Cortex-A55 CPU, 2GB RAM and 16GB eMMC Flash
- 8-inch 1280x800-pixel multi-point touch IPS screen
- Built-in 8 mega-pixel camera
- Support 1080p HD Video
- 16 SIP accounts,36 One-touch DSS Keys
- 8 feature keys Mute, Message, Headset, Video, Hold, Redial, Transfer and Speakerphone
- Volume control key
- 10-way audio & video mixed conferencing (up to 4-way video conferencing)
- HD Speaker, HD Handset
- Acoustic Shield, advanced AEC, excellent double-talk performance
- Dual-port Gigabit Ethernet, PoE support
- Built-in Bluetooth 4.2
- 2.4G/5G dual-band Wi-Fi
- 1xUSB type-A 2.0, 1xUSB type-A 3.0, 1xUSB type-C 2.0
- Support USB Headset/Bluetooth Headset/RJ-9 Headset
- Support USB Recording
- Micro SD card slot
- HDMI Port
- Wall Mounting

# Specifications

## Phone Features

- 16 SIP accounts
- Call hold, mute, DND
- One-touch speed dial, hotline
- Call forward, call waiting, call transfer
- Redial, call return, auto answer, direct IP call
- Four-way video conferencing
- Ten-way audio & video mixed conferencing (up to 4-way video conferencing)
- SMS, emergency call
- Ring tone selection/provisioning
- Set date time automatically or manually
- Dial plan for each account
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- Action URL/URI
- Wireless Access Point (AP mode)
- Onscreen keyboard
- USB ports (2.0 compliant) for media，storage applications
- Notification Center and Control Center
- Third party Android application support

## Video Features

- Support 1080p HD Video
- Video codec: H.265, H.264 High Profile, H.264, VP8
- Built-in 8 mega-pixel camera

## Audio Features

- HD voice: HD handset, HD speaker, HD codec
- Acoustic Shield
- Smart noise suppression for far end
- Audio codec: Opus, G.722, G.711 (A/μ), G.729AB, G.726-32, iLBC, G.723.1
- DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO
- Full-duplex hands-free speakerphone with AEC
- VAD, CNG, AEC, PLC, AJB, AGC, ANS

## Directory

- Local phonebook up to 10000 entries
- Black list
- XML/LDAP remote phonebook
- Smart dialing
- Phonebook search/import/export
- Call history: dialed/received/missed/forwarded

## IP-PBX Features

- Busy Lamp Field (BLF)
- Bridged Line Appearance (BLA)
- Anonymous call, anonymous call rejection
- Voice mail
- Intercom, paging
- Call park, call pickup
- Music on hold
- Hot-desking
- Call recording

## Interface

- Dual-port Gigabit Ethernet
- Power over Ethernet (IEEE 802.3af), class 3
- IEEE 802.3az Green Energy Efficient Ethernet
- 1 x USB Type-A port (3.0 compliant)
- 1 x USB Type-A port (2.0 compliant)
- 1 x USB Type-C port (2.0 compliant)
- 1 x RJ9 (4P4C) handset port
- 1 x RJ9 (4P4C) headset port
- 1 x HDMI port
- 1 x Micro SD card slot
- 1 x Security lock port

## Feature keys

- 36 one-touch DSS keys
- 8 feature keys Mute, Message, Headset, Video, Hold, Redial, Transfer and Speakerphone
- Volume control key

## Physical Features

- Built-in stand with multiple adjustable angles
- Wall mountable
- External universal AC adapter:
  AC 100~240V input and DC 12V/2A output
- Power consumption (PSU): 3.5W-9W
- Power consumption (PoE): 4-10W
- Operating humidity: 10~90%
- Operating temperature: 0~40°C
- Storage temperature: -10~60°C

## Management

- Configuration: browser/LCD-Menu/auto-provision
- Auto provision via HTTP/HTTPS/FTP/TFTP
- Auto-provision with PnP, Zero Touch, TR-069
- Reset to factory, reboot
- Local tracing log export, system log
- Phone lock for personal privacy protection
- Support install/uninstall apps via auto provision

## Wi-Fi/Bluetooth

- Built-in dual band Wi-Fi:
  -Network Standard: IEEE802.11a/b/g/n/ac
  -Transmission Rate: Up to 433 Mbps (dynamic)
  -Frequency Range: 2.4GHz/5GHz

- Built-in Bluetooth 4.2:
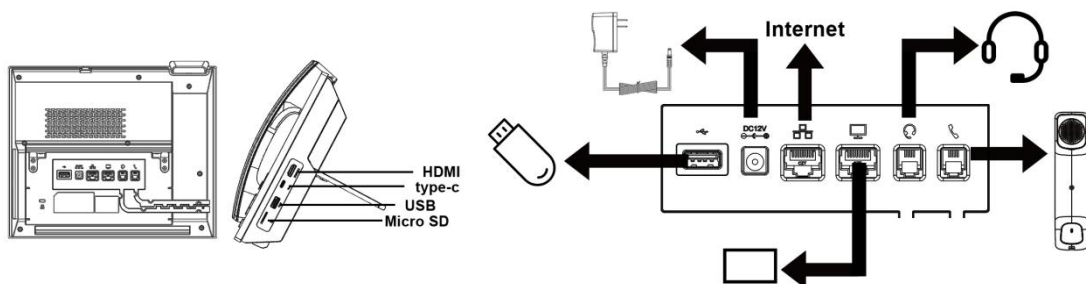  -Bluetooth headset
  -Bluetooth call

## Network and Security

- SIP v1 (RFC2543), v2 (RFC3261)
- Call server redundancy supported
- SIP server/proxy redundancy
- NAT Traversal: STUN mode
- IP assignment: static/DHCP
- HTTP/HTTPS web server
- Time and date synchronization using SNTP
- DNS-NAPTR/DNS-SRV (RFC 3263)
- QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
- Transport Layer Security (TLS1.3), SRTP, ZRTP
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/MD5-sess
- IEEE802.1X/OpenVPN
- IPv4/IPv6, LLDP/CDP/DHCP VLAN

## Package Features

- Package content:
  - Phone Device*1pcs
  - Footstand*1pcs
  - Handset*1pcs
  - Handset Cord*1pcs
  - Ethernet Cable*1pcs
  - Quick Reference Manual
  - Power Adapter (Optional)
- Qty/CTN:5pcs
- N.W/CTN:9.75kg
- G.W/CTN:10.60kg
- Phonebox Size:
  335mm(L)*265mm(W)*120mm(H)
- Carton Meas: 635mm(L)*345mm(W)*285mm(H)

## Compliance

CE  FC

broadsoft   netsapiens



## Learn More

To find out how Htek solutions can help your organization, visit us at www.htek.com or mail to sales@htek.com.

www.htek.com

## About Htek

Htek is a world-class designer and manufacturer of enterprise IP phones and gateways. Since 2005, Htek (aka Hanlong Technology) has provided customers in over 90 countries worldwide with high-quality VoIP products. Htek's UC900U series IP phones continue the tradition by focusing on cutting-edge features, broad SIP compatibility, great value, and an industry-leading warranty. Htek distributes its products via channel partners, and custom designs and rebrands products for large partners such as ITSPs. Nanjing Hanlong Technology Co., Ltd. is a private company headquartered in Nanjing, China, with offices in LATAM, North America and Europe.

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## Technical Support

Visit Htek official website (http://www.htek.com/) for firmware downloads, product documents, FAQ, and more. For better service, we sincerely recommend you to use Htek support system (http://support.htek.com/) to submit all your technical issues.

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