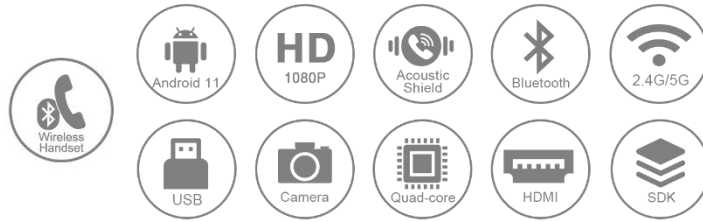# Htek

Enterprise Video Phone

——Smart IP Phone UCV50 Pro

UCV50 Pro 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. UCV50 Pro supports wireless Bluetooth handset BTP50, free you from distance limitations, greatly improving office flexibility. In terms of team collaboration, UCV50 Pro has many kinds of interfaces, which can meet your needs perfectly. Through UCV50 Pro, you can conduct remote collaboration better than ever.

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

Key Features and Benefits

1. Support Wireless handset, flexible office experience at your fingertips

UCV50 Pro supports BTP50, free you from the limitations of wires. You can use buttons on BTP50 to use multi functions such as answering, hands-free answering, and hanging up.

The unique hands-free function of the BTP50 handset allows you to expand the pickup range, free your hands, and be effortless during conference calls.

BTP50 supports 10% packet loss resistance, providing up to 30 hours of talk time and 300 hours of standby time, allowing you to enjoy high-definition audio quality anytime, anywhere. In addition, supports playing sound to help you find BTP50's location, eliminating the hassle of loss and disappearance.

2. Up-to-date performance, efficient remote maintenance

Based on the mostly widely deployed Android 11 OS, UCV50 Pro 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.

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 Pro carries over traditional SIP phones' functions – it has many built-in apps 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, UCV50 Pro supports HDMI port for an external display; three multi-function USB ports, built-in Bluetooth and dual band Wi-Fi (2.4G/5G), brings more flexible scenes. The T-Flash can greatly expand the storage of the IP Phone. So, it has richer expansion functions.

- Android 11
- Quad-core Cortex-A55 CPU, 4GB RAM and 32GB eMMC Flash
- 8-inch 1280x800-pixel multi-point touch IPS screen
- Support Bluetooth handset BTP50
- Built-in 8 mega-pixel camera
- Support 1080p HD Video
- 16 SIP accounts,276 One-touch DSS Keys
- 8 feature keys
- 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 5.0
- 2.4G/5G dual-band Wi-Fi
- 1xUSB type-A 3.0, 1xUSB type-A 2.0, 1xUSB type-C 2.0
- Support USB Headset/Bluetooth Headset/RJ-9 Headset
- Support USB Recording
- Micro SD card slot
- HDMI Port
- Support EHS30
- Support expansion modules
- Wall Mounting

Specifications

Support Bluetooth handset BTP50

- Bluetooth 5.3
- Feature keys: Handset key, Speakerphone key, Mute key, Volume control keys
- Status indicator LED
- HD speaker, HD codec
- Supports 10% packet loss resistance
- Supports handset/speakerphone mode
- BTP50 finding when not at handset cradle
- Remaining battery display
- Low battery indication
- Battery Capacity: 720 mAh
- Up to 30 hours of talk time
  Up to 300 hours of standby time
- Can be used within 10 meters from the phone
- Place/Answer/Hang up/Redial/Reject/Mute a call
- Volume control / Voice indicator
- Firmware upgrade

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 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.729A/B, 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

Feature keys

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

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

Physical Features

- Built-in stand with multiple adjustable angles
- Wall mountable (need wallmount foodstand)
- 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

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 867 Mbps (dynamic)
  - Frequency Range: 2.4GHz/5GHz

- Built-in Bluetooth 5.0:
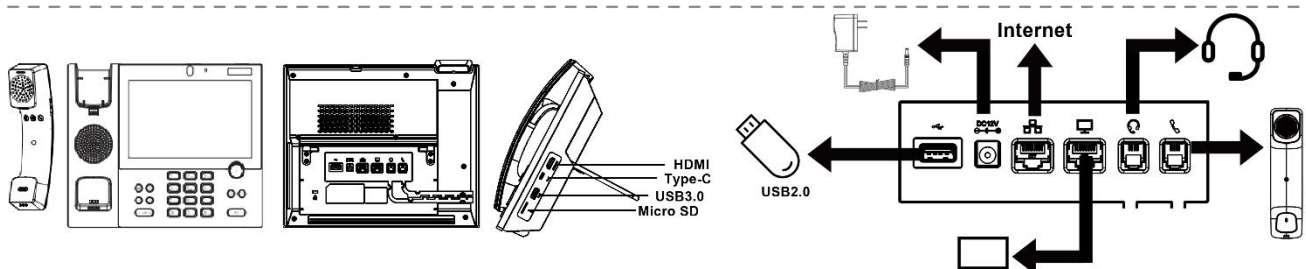 - Bluetooth headset
  - Bluetooth call

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
  - BTP50*1pcs
  - Ethernet Cable*1pcs
  - Quick Reference Manual
  - Power Adapter (Optional)
  - Wallmount foodstand (Optional)
- Qty/CTN:5pcs
- N.W/CTN:9.75kg
- G.W/CTN:10.60kg
- Phonebox Size:
  355mm(L)*285mm(W)*120mm(H)
- Carton Meas: 635mm(L)*365mm(W)*305mm(H)

Compliance

HDMI
Type-C
USB3.0
Micro SD

USB2.0

Internet

Learn More

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