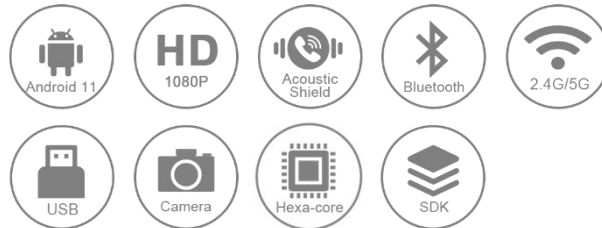# Enterprise Smart IP Phone with Optional Camera

——Smart IP Phone UCV20

UCV20 is an innovative smart IP phone with a seven-inch 1280x800 multi-point touch IPS screen, built-in Bluetooth module and dual-band Wi-Fi (2.4G/5G) module, covering all scenes. It has smooth operation interface, faster response speed and richer extension function based on Android 11 operating system. It supports up to ten-way audio & video mixed conferencing (up to 4-way video conferencing). UCV20 is optimized for executive use for major decision makers, administrative assistants so that design and user experience are more businesslike. The high-resolution IPS screen and HD Voice bring you the lifelike visual and audio experience.

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

Key Features and Benefits

1.7-inch HD Touch Screen, intelligent cooperation experience

The UCV20 adopts a 7-inch high-definition touch screen with bright color and wide viewing angle, which can convey pleasant visual enjoyment; supports 1080p HD video calls, and up to ten-way audio and video mixed conference (up to 4-way video conferencing), with clear and vivid image. It can be used with a CAM20 1080p HD USB camera, plug and play, convenient and fast. Furthermore, it supports wall hanging and two adjustable angles, which can satisfy the best visual experience in various light environments and office scenes.

2.Effective noise removal, Undisturbed conversation

UCV20 adopts cutting-edge acoustic algorithms and supports such a wide speech codec list that the phones can easily present HD audio quality under any network bandwidth. At the same time, advanced acoustic shield technology can effectively eliminate environmental noise, purify the voice, and make it clearer. The call won't be disturbed, and users can speak more confidently during the phone conversation.

3.Richer Connection Modes, More Flexible Teamwork

UCV20 has built-in dual-band Wi-Fi (2.4G/5G) and Bluetooth, with wide coverage, low latency, and smoother wireless connection; it has a USB type-A 3.0 interface and supports a variety of headsets, such as Bluetooth headsets, USB headsets, RJ-9 headsets; in addition, UCV20 also continues the support of Htek UC900(U) series phones in connecting to UC46 Expansion Modules and connecting wireless headsets through EHS30, which not only provides users with a user-friendly office experience, but also provides teams with a flexible way to collaborate.

4.Up-to-date performance, Efficient remote maintenance

Based on the leading Android 11 operating system, UCV20 has smoother operation experience, supports a large number of multimedia smart applications, and runs without lag.
By opening the Htek Developer Kit (SDK), the secondary development of the phone can be easily realized, saving development cost and shortening development cycle; supports advanced tools such as Htek Device Management System (HDMS), so UCV20 automatic deployment, Firmware update and device management can be completed remotely.

- Android 11
- 1080p USB HD camera (optional)
- 7-inch 1280x800-pixel multi-point touch IPS screen
- 16 SIP Accounts, 36 One-touch DSS Keys
- HD Speaker, HD Handset
- Support 1080p HD Video
- Acoustic Shield
- Built-in Bluetooth 4.2
- 2.4G/5G dual-band Wi-Fi
- Local phonebook up to 10000 entries
- Stand with 2 adjustable angles
- Wall Mounting
- 10-way audio & video mixed conferencing (up to 4-way video conferencing)
- 1xUSB type-A 3.0, support USB Recording
- Support HDMS

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
- Notification Center and Control Center
- USB ports (3.0 compliant) for media，storage applications and extending camera with USB3.0 cable
- Third party Android application support

Video Features

- Support 1080p HD Video
- Video codec: H.265, H.264 High Profile, H.264, H.263, VP8
- 1080P USB HD camera（optional）

Audio Features

- HD voice: HD handset, HD speaker, HD codec
- Acoustic Shield
- Smart noise suppression for far end
- Audio codec: Opus, G.722, PCMA, PCMU, G.729A/B, G.726-32, G.723.1, iLBC
- 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

Feature keys

- 36 one-touch DSS keys
- 8 feature keys: hold, transfer, redial, headset, mute, speakerphone, Volume Up, Volume down

Interface

- Dual-port Gigabit Ethernet
- Power over Ethernet (IEEE 802.3af), class 3
- IEEE 802.3az Green Energy Efficient Ethernet
- 1 x USB port (3.0 compliant) for camera/USB3.0 cable
- 1 x RJ9 (4P4C) handset port
- 1 x RJ9 (4P4C) headset port

Physical Features

- Stand with 2 adjustable angles
- Wall mountable
- External universal AC adapter: AC 100~240V input and DC 12V/2A output
- Power consumption (PSU): 9~13W
- Power consumption (PoE): 10~14.5W
- Operating humidity: 10~95%
- Operating temperature: -10~50°C

Management

- Configuration: browser/LCD-Menu/auto-provision
- Auto provision via HTTP/HTTPS/FTP/TFTP
- Auto-provision with PnP, Zero-sp-touch, TR-069
- Reset to factory, reboot
- Local tracing log export, system log
- Phone lock for personal privacy protection
- Only the administrator can 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:
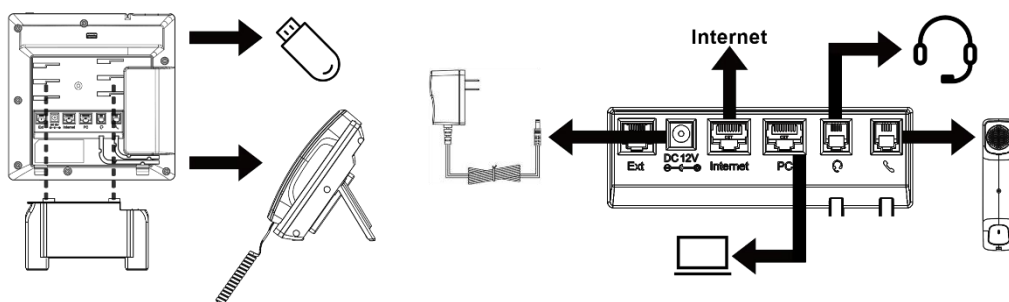 - Bluetooth headset
  - Bluetooth call

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:10pcs
- N.W/CTN:13.70kg
- G.W/CTN:14.95kg
- Phonebox Size: 250mm(L)*240mm(W)*115mm(H)
- Carton Meas:595mm(L)*525mm(W)*255mm(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.

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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