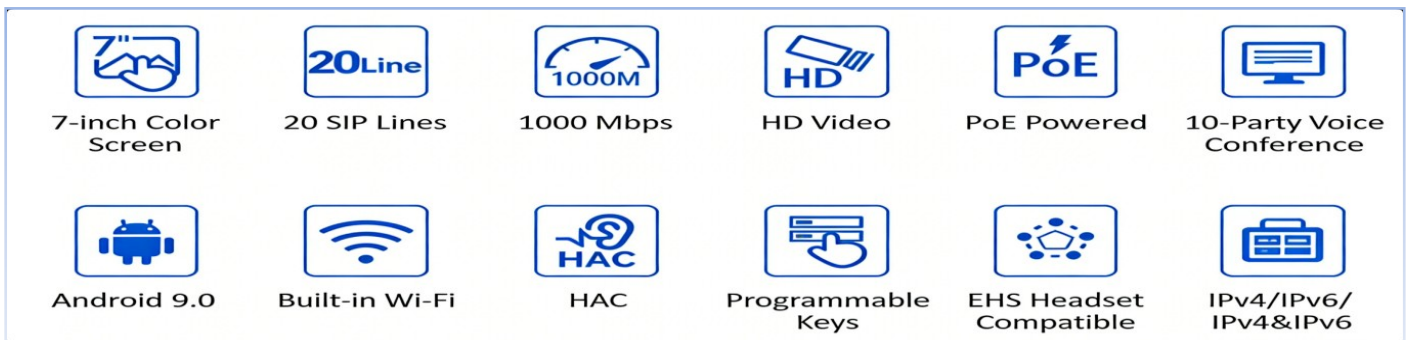


S505V All-in-One IP Video Phone

All-in-One Smart IP Video Phone—Unified Voice, Video & Apps for Seamless Enterprise Communication

The S505V is an all-in-one visual smart IP video phone integrating voice, video, and application functions. Powered by the Android 9.0 operating system, it supports the installation and operation of third-party Android applications, featuring an intuitive and user-friendly interface. Equipped with a 7-inch color touch screen and a built-in adjustable-angle IP camera, it delivers unified communications and scalable value-added services for enterprise users, providing a comprehensive and flexible desktop communication solution.

A robust enterprise visual smart IP video phone that streamlines business communication, the S505V features a 7-inch color touch screen for intuitive operation, plus a 5-megapixel H.264 camera that pairs with video access control systems for remote door unlocking and video calls. With Gigabit Ethernet/PoE support and dual-band Wi-Fi, it ensures fast, flexible connectivity. The phone enables 10-party audio and 3-party video calls for efficient meetings, runs on Android 9.0 with SDK support for customization, and offers desktop/wall-mount installation plus up to 29×4 configurable DSS keys to fit diverse enterprise needs.



- 7-inch color touchscreen for one-touch easy operation
- 5MP camera with video access control linkage & remote unlocking
- Gigabit Ethernet + PoE for high-speed stable data transmission
- 10-party audio/3-party video calls for efficient collaboration
- Android 9.0 + SDK to enable customized secondary development
- Dual-band Wi-Fi & dual mounting modes for versatile scenarios

Highlighted Features

- 7-inch color touch screen for an enhanced user experience and effortless one-touch operation.
- Built-in 5-megapixel camera with H.264 video codec support. It can pair with cameras or video access control systems to receive video calls, view footage from access control terminals on the phone screen, and enable remote door unlocking.
- Gigabit Ethernet with auto-sensing 10/100/1000 Mbps network ports for high-speed data transmission, supporting PoE power supply.
- Supports 10-party local audio calls and 3-party video calls, facilitating convenient and efficient meeting organization.
- Based on Android 9.0 OS, it provides an SDK (Software Development Kit) to meet industry-specific customization and secondary development requirements.

- Built-in dual-band Wi-Fi module (2.4GHz/5GHz) for wireless data communication.
- Two installation modes (desktop or wall-mount) to adapt to diversified application scenarios.
- Up to 29×4 customizable DSS keys, each configurable as Line/BLF/Speed Dial Extension, etc.

Technical Specifications

● Basic Functions

- 20 SIP lines
- Dual Gigabit Ethernet ports with PoE support
- 7-inch 1024x600 IPS color touchscreen
- Handset / Hands-free / Headset modes
- Smart DSS keys (virtual keys)
- Desktop / Wall-mount installation
- Power adapter (optional)

● Android System Features

- Android 9.0 OS for improved security and compatibility
- Pre-installed applications: File Manager, Calendar, Camera, Gallery, Web Browser, Email, Calculator, Notes, Voice Recorder, Clock, Video Player, Music
- Third-party application support
- Secondary development API

● Phone Functions

- Local phonebook (2000 entries)
- Network phonebook (supports XML/LDAP)
- Call logs (1000 entries for missed/ received/dialer /forwarded calls)
- Blacklist/Whitelist for calls
- Screen saver standby mode
- Voice mail (MWI)
- Customizable DSS keys
- Network time synchronization
- Plantronics wireless headset support (via Plantronics APD-80 EHS cable)
- Jabra wireless headset support (via EHS20 cable)
- Call recording (network/server-based recording)
- Built-in dual-band Wi-Fi
 - 2.4GHz: 802.11 b/g/n
 - 5GHz: 802.11 a/n/ac
- Action URL / Active URI
- XML Browser
- Multi-language user interface
- Customizable wallpaper
- uaCSTA
- Customizable ringtones
- Time management (scheduled reboot/ forwarding/ upgrade /configuration update)
- Hidden DTMF
- Headset ringer

- Customizable BLF

● Call Functions

- Call dialing/answering/rejecting
- Microphone mute/unmute
- Call hold/resume/call waiting
- Intercom function
- Caller ID display with avatar/name/number
- Speed dial
- Anonymous call/anonymous call rejection
- Call forwarding (unconditional/busy/no answer)
- Call transfer (attended/blind)
- Call park/pickup (requires server support)
- Redial, pre-dial, callback
- Do Not Disturb (DND)/scheduled DND
- Auto-answer
- SIP instant messaging
- Voice mail (requires server support)
- 10-party audio conferencing
- 3-party video conferencing
- Hotline
- Phone sharing
- Direct IP dialing
- Fuzzy search
- Linkage plan, number receiving rules
- Call completion/auto redial
- Primary/backup server
- Multicast
- Call monitoring
- Emergency call
- SIP hotspot

● Audio Features

- High-fidelity audio: HD handset, HD hands-free
- HAC handset
- Wideband ADC/DAC with 16KHz sampling rate
- Narrowband codecs: G.711a/u, G.729, G.729A, G.729B, G.729AB, iLBC
- Wideband codecs: G.722, Opus
- Full-duplex hands-free calling with Acoustic Echo Cancellation (AEC)
- Voice Activity Detection (VAD)/Comfort Noise Generation (CNG)/Background Noise Detection (BNE)/Noise Reduction (NR)/Automatic Gain Control (AGC)

- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer (AJB)
- DTMF: In-band, Out-of-band (RFC2833/SIP INFO)
- VQM voice quality monitoring

● Video Features

- Video decoding: H.264
- Video decoding resolution: QVGA / CIF / VGA / 4CIF / 720p / 1080p
- Image formats: JPEG/PNG/BMP
- Video format: MP4
- Bandwidth range: 64kbps~4Mbps
- Video frame rate: 5~30fps
- Remote video full-screen display mode
- Built-in 5-megapixel camera (with privacy shutter)
- Video preview

● Network Features

- 10/100/1000 Mbps Ethernet (bridge mode)
- IP modes: IPv4/IPv6/IPv4&IPv6
- IP acquisition: Static IP/DHCP
- 802.1x network access authentication support
- Virtual Private Network (VPN): OpenVPN (requires third-party app)/L2TP/PPTP/IPSec
- Virtual Local Area Network (VLAN)
- Link Layer Discovery Protocol (LLDP)
- Cisco Discovery Protocol (CDP)
- Quality of Service (QoS)
- RTP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- DNS-SRV (RFC 3263)
- Proxy support
- HTTPS mutual authentication
- Wi-Fi encryption: WPA/WPA2-PSK/802.1X EAP

● Supported Protocols

- SIP v1 (RFC2543), v2 (RFC3261)
- UDP/TCP/TLS
- RTP/RTCP/SRTP (optional/mandatory)
- STUN
- DHCP
- LLDP
- 802.1x
- 802.1p/Q
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069
- AES128 & AES256

● Configuration & Management

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP Option 66/SIP PnP/TR-069
- Web-based screen capture
- Web management interface
- Web-based packet capture
- Configuration import/export
- Phonebook import/export
- Software upgrade
- System logs (Syslog)
- Network firewall
- Online upgrade

● Physical Specifications

- Screen: 7-inch (1024x600) color touchscreen
- Buttons: 5 physical keys including
 - 1 Home key
 - 1 Back key
 - 2 Volume control keys (up/down)
 - 1 Hands-free key
- 1x HD handset (RJ9)
- 1x Standard RJ9 handset cord
- 1x 1.5m CAT5e Ethernet cable
- 1x Phone stand
- 1x Status indicator (red)
- Interfaces:
 - 2x RJ9 ports (handset/headset)
 - 2x RJ45 ports (network/PC, with bridge mode support)
- Power supply: 12V/1A or PoE Class 3
 - PoE compliance: IEEE 802.3af standard
 - Power adapter (optional):
 - Input: 100-240VAC~50/60Hz
 - Output: 12V/1A
- 802.3az energy-saving mode
- Power consumption (DC power): 2.38~8.6W
- Power consumption (PoE): 3.52~10.76W
- Operating temperature: 0~45°C
- Relative humidity: 10~95%
- Installation modes: Desktop / Wall-mount
- Color: Black
- Quantity per carton: 10 PCS
- Dimensions:
 - Desktop (45°): 265×172.1×145.2mm
 - Desktop (50°): 265×161.7×154.5mm
 - Wall-mount: 265×78.6×184mm
- Package dimensions: 337×218×81mm
- Carton dimensions (10 units): 456×430×357mm