

IP2009

Amazing Video Phone



Features

- Video, Voice, Music and data service support
- Fruitful and powerful functions for office and residential users
- Versatile I/O interface equipped
- Rich supplementary call services and videophone features
- Good interoperability for IP Centrex, IPPBX, or Server systems
- Complete VoIP and networking protocols support
- Auto provisioning, Web management and easy LCD menu

IP2009 is an advanced IP Video phone for modern enterprises, SME or even residential users. With sophisticated design, expansion of capability and versatile peripheral support, it is powerful and ideal for business and people superior video communications.

A variety of Video, Voice, Music and data functions can be supported by IP2009. As a SIP-compliant endpoint, it can work well with general Soft switch, IP Centrex, IPPBX, or SIP servers for perfect interoperability, as well.

Beyond excellent video/voice performance, this system features User-friendly menu configuration, easy web management and auto-provisioning functions that make plug-and-play it possible and open the channel for remote face-to-face talk and better people life.



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Specifications

Phone/Call Functions

- IETF SIP V2 (RFC3261) standard compliant
- Multiple-Line/Call appearances
- Support Caller ID, CLIP/CLIR
- Call Hold, Transfer, Forward, Waiting, 3-way Conference, MWI, more
- Redial, Mute, Call log, Phone book, and speed dial
- On-hook dialing & full duplex speakerphone
- Support video only/audio only/both Mute function
- Easy video control for local only/remote only/concurrent display
- Do not disturb (DND), Auto-Answer, Call blocking, Anonymous call blocking
- Taking pictures for phonebook
- MP3 player from local file or remote stream
- Miscellaneous support (reserved: Memo pad, World clock, schedule, Video/Audio recording)

Voice Handling

- Support codec G.711 a/u law, G.726, (G.729, G.723.1, G.722 optional)
- Support VAD, CNG, AGC and Acoustic Echo Cancellation
- Jitter buffering and packet loss concealment
- Support RFC2833 out-band DTMF
- Enhanced voice quality for handset, headset and hands-free speakerphone
- Programmable distinctive ringing support

Video Handling

- Support compression codec :
MPEG-4 Simple Profile
- Support compression codec :
H.263 Up to 30 fps at CIF, payload header Mode A
- JPEG Encode/Decode (for picture taking and save)

- Resolution support: CIF and QCIF
- Frame Rate up to 30 fps at CIF
- Jitter buffering and packet loss concealment
- Video Decode capability: CIF(352x288), QCIF (176x144), SQCIF (128 x 96)
- Video Encode capability: CIF(352x288)

Network

- Embedded management Ethernet switch
- Support QoS, Diffserv and ToS
- Bandwidth shaping, broadcast storm protection and anti-Dos attacking
- Protocol TCP/IP, UDP, RTP/RTCP, DHCP, TFTP, DNS, STUN NAT, PPPoE, SNTP, HTTP server
- LAN port function:
Bridge pass-thru function
DHCP server basic support
NAT/PAT server
MAC address cloning
VPN pass thru

Configuration and Management

- Auto-provisioning support thru TFTP download
- Local menu driven configuration & management
- Web based 2-level management (user/Admin)
- Engineering trace log

LCD Display

- Diagonal 5" TFT LCD display I with backlit support
- True-to-life video quality
- 320 x 240 pixels high-resolution display with 65536 colors
- Anti-glare coating on the LCD display
- User-friendly graphical interface and menu control



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Camera

- Image 1/4" CMOS sensor (over 300K pixels)
- State-of-the-art camera with 45° up/down rotation and focus zoom
- AGC (automatic gain control) and backlight compensation
- Auto adjustment for white balance

Keys & LEDs

- Basic 32 keys with a standard 12-key pad
- Context-sensitive LCD soft keys & navigator keys
- Mute, Redial, Speaker, Headset, Hold, Transfer, Message, Conference, Flash,
- EDM module: programmable feature & speed dial (Optional)
- 9 LED indicators for line, call, Message waiting indication and system status

I/O Ports

- 1 Handset port with RJ-9 jack
- 2 Headset ports with RJ-9 jack and 2.5mm Jack
- Dual 10/100 BaseT RJ-45 ports with QoS / VLAN support
- 1 5" TFT color LCD module
- 1 Camera sensor CMOS 1/4" (or CCD ODM optional)
- 1 Embedded engineering service port
- 1 composite RCA type connector for Video output, (NTSC & PAL compliant)

- 1 composite RCA type connector for Audio output
- 1 Reset Button (for factory default setting)
- 1 power switch for Power adaptor or PoE (Model IP2009)
- 1 OTG USB 2.0 port
- 1 WiFi IEEE 802.11g interface and antenna
- Extended Dial Module (EDM) for more speed dials and programmable buttons (optional)

Physical Spec

- PoE 802.3af built-in for IP2009B model
- Call Bandwidth support: 64k ~ 1024k bits/sec
- AC Power Adapter 5V DC / 2A, 100 ~ 240 VAC, 50/60 Hz
- Operating Temperature 0°C to 45°C, Humidity 10% to 90%
- FCC and CE certificates
- Dimensions 210mm x 260mm x 75mm

