

GXV-3000 Technical Specifications

GXV-3000 IP Video Telephone



Hardware Specifications

Hardware	Specifications
Network Ports	Dual 10M/100M auto-sensing network ports, switch or router/NAT mode configurable
LCD	5.6 inch TFT color LCD
Camera	Advanced CMOS sensor (VGA resolution)
Auxiliary Ports	RCA style stereo audio & composite video output jack, 1 headset jack, 2 USB ports
Exterior	Black or Silver ABS plastic, 30 buttons (including 6 LED buttons)
Universal Power Supply	100-240V input, +12VDC/1.2A output / US/Euro/UK/Australian style available
Dimension (LxWxH)	OPEN: 200mm x 215mm x 190mm CLOSED: 200mm x 215mm x 47.5mm
Weight	1.2kg
Operating Temperature	0 - 40°C
Humidity	10-90% non-condensing
Compliance	FCC/CE/C-Tick (pending)

GXV-3000 is a next generation IP video phone based on SIP standard and H.264 video codec. Its sleek design and advanced technology enables high-quality video conferences from your desk with excellent audio and picture quality. It is easy to use and manage and designed to have broad interoperability with major 3rd party SIP products. The GXV-3000 is an easy and affordable way of communicating face-to-face over any distance. It is ideal for any multi-media communication environment, small or large business, or residential user.

Features

- Advanced H.264 video codec with video delivery at 32kbps to 1Mbps
- Full duplex speakerphone with advanced acoustic echo cancellation
- Adjustable 5.6" TFT LCD & VGA camera allowing all viewing angles
- Multiple lines with rich functions including 3-way conference
- Security (TLS, SRTP) and privacy protection
- Zoom, auto-focus, auto exposure, anti-flickering
- Picture-in-picture, on-screen-display
- Dual 10/100Mbps auto-sensing Ethernet ports

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Lines	3 individual SIP accounts; 3 line buttons
Protocol Support	Support SIP 2.0 (RFC3261), TCP/UDP/IP, PPPoE, RTP/RTCP, SRTP by SDES, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP(client and server), NTP/SNTP, TFTP, Telnet, TLS
Feature Keys	8 dedicated keys: Message, Hold, Transfer, Conference, Speakerphone, Send, Mute/Del, Camera Block 5 display/menu navigation keys
Peripheral Interfaces	Dual (2) 10/100Mbps auto-sensing Ethernet ports 2 USB host ports, 1 audio and 1 video jack (allow video output to LCD & TV simultaneously), headset jack
Network & Provisioning	Support Layer 2 (IEEE 802.1Q/p VLAN tagging) and Layer 3 QoS (ToS, DiffServ, MPLS) Support automated NAT traversal (via STUN and symmetric RTP) Support automated and secure provisioning and software upgrade (via TFTP/HTTP) across firewall/NAT to enable "zero configuration" and "plug-and-dial" for end users. Support remote device monitoring and events reporting using Syslog Support device configuration via LCD, Web browser or secure central secure configuration file Support fixed IP or DHCP
Video Features	Powerful video DSP with advanced adaptive jitter control and packet delay/loss concealment technology to ensure superb audio and video quality Advanced real-time H.264 base line video codec (up to CIF/QVGA resolution and 30fps) High quality video delivery at 32kbps--1Mbps bandwidth level (bit rate and frame rate configurable) High quality 5.6-inch TFT color LCD (allowing 2-dimensional view angle adjustment including 180 degrees vertical and nearly 300 degrees horizontal rotation) Advanced VGA resolution CMOS camera sensor (view angle adjustable 270 °C) Anti-flickering, auto focus and auto exposure, zoom (optical and digital), PIP (Picture-in-Picture), audio mute and camera block (for privacy), on-screen-display, call log, video phone book Configurable screen-saver pictures, still picture capture/store/send (pending), visual voice message indicator

Audio Features	Full-duplex hands-free speakerphone with advanced acoustic echo cancellation (AEC) and AGC G.723/1, G.729A/B, G.711 μ/A, G.726, GSM, G.722 (wide-band, pending) with dynamic negotiation of codec and packet time In-band and out-of-band DTMF (in audio, RFC2833, SIP INFO) Silence suppression, VAD, CNG, side tone, adaptive jitter buffer control (pending) packet delay&loss concealment
Telephony Features	Visual message/voice mail indicator, downloadable custom music ringtones Call Hold, Call Transfer (attended/blind), Do-Not-Disturb, Call Forward (no answer, busy, unconditional), Mute, Caller ID/Name Display or Block, Call Waiting, Call Waiting Caller ID Redial, call log, and volume control 3-way conferencing Support for anonymous call using privacy header Dial Plans, Off-Hook Auto Dial, Auto Answer, Early Dial and Speed Dial
Firmware Upgrades	Support firmware upgrade via TFTP or HTTP/HTTPS with authentication verification Allow user to specify different URL for configuration file and firmware files
Advanced Server Features	Support DNS SRV look up and SIP server fail-over Customizable LCD screen via downloadable XML through HTTP/TFTP
Security	DIGEST authentication using MD5/MD5-sess, secure configuration file via AES encryption SIP over TLS, SRTP (pending)

