



## The GXV-3000 IP Video Phone

is a next generation IP video phone based on SIP standard and H.264 video codec. The GXV-3000 supports real-time (up to 30fps) high-quality video at very modest bandwidth level (as low as 32kbps, up to 1Mbps). It allows nearly all viewing angles via a decent sized adjustable LCD screen and a VGA camera, giving you the ability to have high-quality video conferences from your desk. The GXV-3000 is a very affordable, sleek video phone that combines a great design and technology features with excellent audio and picture quality, ease of use and deployment, and broad interoperability with 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, the virtual office and all IP video communications for business or residential users.

## GXV-3000 Video Benefits

- Delivery of high-quality 2-way real-time video
- High fidelity video quality at bandwidths between 32kbps to 1Mbps
- Sharp picture quality
- Adjustable advanced VGA resolution camera
- Razor-thin 5.6 inch TFT color LCD display with crisp picture quality and two dimensional movement (vertical/horizontal)
- 3-way conferencing
- Optical and digital zoom, auto-focus, auto exposure
- Picture-in-picture, on-screen-display
- Custom ring tones
- Intuitive graphic user interfaces
- Dual 10/100mbps Ethernet ports

Grandstream Networks, Inc. [www.grandstream.com](http://www.grandstream.com)

Boston, Massachusetts  
1297 Beacon Street, 2F  
Brookline, MA 02445  
1-617-566-9300

Dallas, Texas  
2828 W.Parker Rd, Suite 102  
Plano, TX 78075  
1-469-241-0100

Los Angeles, California  
1301 John Reed Ct.  
City of Industry, CA 91745  
1-626-956-0260

Shenzhen, China 518057  
Bldg#1, No.2 Kefa Rd  
Science & Technology Park  
86-755-26014600

# GXV-3000

## Technical Specifications

<b>Lines</b>	3 individual SIP accounts; 3 line buttons
<b>Protocol Support</b>	Support SIP 2.0, TCP/UDP/IP, PPPoE, RTP/RTCP, SRTP by SDES, HTTP, ARP/RARP, ICMP, DNS, DHCP(client and server), NTP/SNTP, TFTP, Telnet, TLC.
<b>Feature Keys</b>	8 dedicated keys: Message, Hold, Transfer, Conference, Speakerphone, Send, Mute/Del, Camera Block
	5 display/menu navigation keys
<b>Peripheral Interfaces</b>	Dual (2) 10/100Mbps auto-sensing Ethernet ports (switched or routed)
	2 USB host ports, 1 audio and 1 video jack (allow video output to LCD & TV simultaneously), headset jack
<b>Management &amp; Provisioning</b>	Support Layer 2 (IEEE 802.1p/Q VLAN tagging) and Layer 3 QoS (ToS, DiffServ, MPLS)
	Support automated NAT traversal (via STUN and symmetric RTP) without manual manipulation of firewall/NAT
	Support remote, 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
	Fixed IP or DHCP for network address setup
<b>Video Features</b>	Powerful video DSP with advanced adaptive jitter control and packet 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 30 frames/second) 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)
	Anti-flickering, auto focus and auto exposure, zoom, 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
<b>Audio Features</b>	Full-duplex hands-free speakerphone with acoustic echo cancellation (AEC) and AGC
	G.723/1, G.729A/B, G.711 $\mu$ 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)
	Advanced Digital Signal Processing (DSP), silence suppression, VAD, CNG, side tone
	Adaptive jitter buffer control, packet delay & loss concealment



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<b>Telephony Features</b>	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
<b>Firmware Upgrades</b>	Support for anonymous call using privacy header
	Dial Plans, Off-Hook Auto Dial, Auto Answer, Early Dial and Speed Dial
	Support firmware upgrade via TFTP or HTTP/HTTPS with authentication verification
	Allow user to specify different URL for configuration file and firmware files
<b>Advanced Server Features</b>	Support DNS SRV Look up and SIP Server Fail Over
	Customizable idle screen via downloadable XML through HTTP/TFTP
<b>Security</b>	DIGEST authentication using MD5/MD5-sess, secure configuration file via AES encryption
	Secure signaling (SIP over TLS, pending) and secure voice/video communication (SRTP, pending).

### Hardware Specifications

Hardware	GXV-3000
<b>Ethernet Port</b>	Dual 10M/100M auto-sensing Ethernet ports, switch or router/NAT mode configurable
<b>LCD</b>	5.6 inch TFT color LCD
<b>Camera</b>	Advanced CMOS sensor (VGA resolution)
<b>Auxiliary Port</b>	RCA style stereo audio & composite video output jack, 1 headset jack, 2 USB ports
<b>Exterior</b>	Black or Silver ABS plastic, 30 buttons (including 6 LED buttons)
<b>Universal Power Supply</b>	100-240V input, +12VDC/1.2A output / US/Euro/UK/Australian style available
<b>Dimension</b>	6.5cm x 18cm x 16cm
<b>Weight</b>	1.2kg
<b>Operating Temperature</b>	0-40oC
<b>Humidity</b>	10-95% non-condensing
<b>Compliance</b>	FCC/CE/C-Tick

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## Technical Specifications



### GXV-3000 Features in a Glance

<b>Open Standards Compatible</b>	SIP 2.0, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record and SRV), DHCP(both client and server), PPPoE, TFTP, NTP, Telnet, and TLS.
<b>Peripheral Interfaces</b>	Dual 10/100mbps Ethernet ports, 2 USB host ports, audio/video output jack, headset jack.
<b>Superb Video Quality</b>	Real-time H.264 base line video codec with CIF/QVGA resolution, up to 30 fps and 32kbps - 1Mbps bandwidth
<b>Advanced Video features</b>	5.6-inch TFT color LCD, 180 degrees vertical and 300 degrees horizontal rotation, VGA resolution CMOS camera sensor, auto focus and exposure, zoom, camera block, P-I-P, still picture capture/store/send (pending)
<b>Advanced Voice Features</b>	silence suppression, VAD, CNG, AGC, caller ID, call waiting, hold, transfer, forward, block, mute, phone book, autodial, Intercom, off-hook dial, and click to dial.
<b>Advanced Functionality</b>	Multi-line support, multi-party conferencing, SRTP, On-Screen-Display, AES encryption.

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