



## SIP/Android Video Conferencing Solution

### GVC3202

The GVC3202 is a ground-breaking solution that offers businesses a revolutionary video conferencing system with unprecedented flexibility and the power of support for multiple popular video conferencing protocols and platforms right out of the box. The SIP-based GVC3202 supports Grandstream's robust IPVideoTalk platform for plug and play video conferencing while also being interoperable with any 3rd party SIP video conferencing platform - thus offering a great option to expand or implement a 3rd party platform. In comparison to Grandstream's GVC3200, the GVC3202 offers a slightly lower capacity option for businesses looking for up to 3-way video-conferencing and support for up to 2 Full HD monitors. The GVC3202 sports an innovative, patent-pending embedded MCU that supports up to 3-way conferencing with local mixing between SIP and other protocols.



Built-in Bluetooth for use with Bluetooth speakers/microphones, keyboards, data exchange, etc. keyless entry



Support for 2 screens thanks to 2 HDMI outputs



Experience the fastest possible connections speeds to maximize video quality



Experience video resolutions up to 1080p



A powerful 9x optical zoom offers robust video clarity



Share a presentation with conference attendees or review a document.



Embedded MCU to allow up to 3 video attendees



Local & far-end controllable PTZ camera with wide-angle lens



Easily record all video conferences to document meetings



The GVC3202 can remind attendees 10mn before start-time and automatically call all participants

<b>Protocols/Standards</b>	SIP RFC3261, BFCP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, LLDP-MED, LDAP, TR-069, 802.1x, TLS, SRTP, TCP/IP/UDP, IPv6, FEC, FECC, H.323, Q.931, H.224, H.281, H.225.0, H.239, H.241, H.245, H.460.18 and H.460.19
<b>Camera</b>	1/3" 2 Megapixel CMOS 1920Hx1080V@30fps
<b>Lens</b>	9x optical zoom, +/-23° tilt, +/- 90° pan, 70°(W)*- 6.3° (T) field of view
<b>Network Interface</b>	1× RJ45 10/ 100/ 1000 Mbps port
<b>Bluetooth</b>	Yes, integrated. Bluetooth 4.0 + EDR
<b>Video Outputs</b>	2x HDMI up to 1080p with CEC
<b>Video Input</b>	1x VGA/1x HDMI with resolution up to 1080p
<b>Microphone/Speaker</b>	External MIC/Speaker, built-in MIC, cascadable external MIC/speaker (pending)
<b>Remote Control</b>	Bluetooth remote control with multi-touch touchpad
<b>Auxiliary Ports</b>	1x USB 2.0, SD, external speaker port, reset pin
<b>Graphic Display</b>	OLED with 128x32 resolution
<b>Voice Codecs</b>	G.711μ/a, G.722 (wide-band), iLBC (pending), Opus, G.722.1, G.722.1c (pending), in-band and out-of-band DTMF (In audio, RFC2833, SIP INFO)
<b>Video Codecs</b>	H.264 BP/MP/HP, video resolution up to 1080p, frame rate up to 30 fps, bitrate up to 4Mbps
<b>People Video Resolution</b>	1080p from 512 Kbps, 720p from 384 Kbps, 4SIF/4CIF from 128 Kbps, SIF/CIF/QSIF/QCIF/SQSIF/SQCIF from 64 Kbps
<b>Content Video Resolution</b>	Input: VGA, SVGA, XGA, WXGA, SXGA, 1440×900, 720p, 1600×1200, 1080p (HDMI), up to 60fps; Encoding: 1280×720, 1920×1080
<b>Output Resolution</b>	720p, 1080p
<b>Embedded MCU</b>	Up to 2-way 1080p conference, 3-way 720p conference, 3-way VGA conference
<b>Dual-Stream</b>	BFCP, people video (up to 1080p@30fps) + content video (up to 1080p@15fps, 720p@30fps)
<b>Audio Features</b>	AEC, ANS, AGC, PLC, CNG/VAD
<b>Video Features</b>	FEC, dynamic display layout, picture-in-picture, picture-outside-picture, digital caption (pending)
<b>Platform Bridging</b>	Bridge SIP calls with Android VoIP apps
<b>Telephony Features</b>	Hold, transfer, forward (unconditional/no-answer/busy), call park/pickup, 3-way audio/video conference, downloadable XML phone book, LDAP, call waiting, call history, flexible dial plan, personalized music ring tones, server redundancy & fail-over
<b>Sample Applications</b>	Web browser, Facebook, Twitter, YouTube, Google calendar, mobile phone data import/export via Bluetooth, etc. API/SDK available for advanced custom application development
<b>Application Deployment</b>	Allows Android 4.4.2 compliant applications to be deployed in the device with provisioning control
<b>QoS</b>	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
<b>Security</b>	User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, 128/256-bit SRTP, HTTPS, 802.1x media access control
<b>Multi-Language</b>	English, German, Italian, French, Spanish, Portuguese, Russian, Turkish, Polish, Chinese, Korean, Japanese, and more
<b>Upgrade/Provisioning</b>	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload, mass provisioning using TR-069 or AES encrypted XML configuration file
<b>Power &amp; Green Energy Efficiency</b>	Universal power adapter included: Input 100-240VAC 50-60Hz; Output 12VDC/5A (60W)
<b>Package Content</b>	GVC3202 video conference system, GAC2500 Android Enterprise Conference Phone, remote control, 2 AAA batteries, universal power supply, network cable (1.5 meters), USB extension cable (5 meters), mounting kit, 3 HDMI cables (one 1.5 meter cable, one 3 meter cables and one 5 meter cable), lens cover, lens cleaning cloth, quick installation guide, GPL license
<b>Dimensions and Weight</b>	Net weight: 5.75 Kgs; Gross weight per box: 7.86 Kgs; Unit Dimensions (L x W x H): 11.9" x 4.89" x 7.26"
<b>Temperature and Humidity</b>	Operation: 0°C to 40°C, Storage: -10°C to 60°C, Humidity: 10% to 90% Non-condensing
<b>Compliance</b>	FCC: Part 15 (CFR 47) Class B; UL 60950 (power adapter), Part 15C, Part 15E.407, Part 2.1091 CE: EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1, EN62479, RoHS, EN301893, EN62311 RCM: AS/NZS CISPR22/24; AS/NZS 60950; AS/NZS 4268