Video Conferencing System
GVC3220

The GVC3220 is a revolutionary video conferencing system that provides an interactive and immersive video conferencing environment to increase collaboration and productivity. This SIP-based GVC3220 allows the user to connect their video conferencing solutions with any 3rd party SIP or H.323 video conferencing platform . Additionally, since the GVC3220 is based on an Android 9.0 operating system. Users will elevate their experience with its 4K Full-HD video, up to 5-way 1080P video conferences, screen-sharing capabilities, Integrated WiFi , Bluetooth 5.0 + EDR and more. The GVC series supports Grandstream's IPVideoTalk Video and Web Conferencing platform. This paid-subscription based service allows users to turn any meeting hosted on any GVC device into an online meeting that can be joined seamlessly from a web browser or GVC. Turn any physical room into a virtual, online meeting place to offer your customers the tools they need to be successful, no matter where they are.

Supports sharp video quality of up to 4K Full-HD video output	Runs on Android 9.x operating system	Supports up to 4 external 1080P webcams	Remote video screen real-time control and sharing PC screen functions
AI facial recognition technology easily identify meeting room participants	Advanced camera with 8M pixel CMOS sensor, 69.5° FOV wide-angle lens, 12x zoom and PTZ for easy camera view adjustments	Integrated dual-band Wi-Fi 802.11 a/b/g/n/ac (2.4GHz & 5GHz), supports Wi-Fi Multimedia	Equipped with GWH10 interface expansion box

Protocols / Standards	SIP RFC3261, H.323,BFCP, TIP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, SIMPLE,LLDP-MED, LDAP, TR-069, 802.1x, TLS, SRTP, TCP/IP/UDP, IPv6, OpenVPN®
MCU	5-way 1080P
Camera	1/2.5", 8 Megapixel CMOS, 4k 30fps Output
Lens	69.5°field of view, PTZ ,12×Zoom
Network Interface	1× RJ4510/ 100/ 1000 Mbps
Wi-Fi	Integrated dual-band Wi-Fi 802.11 a/b/g/n/ac (2.4GHz & 5GHz), supports Wi-Fi Multimedia
Bluetooth	Integrated Bluetooth 5.0 + EDR
Video Outputs	1x HDMI 2.0 up to 4k with CEC, 1x HDMI 1.4 up to 1080p
Video Input	1x HDMI 1.4a with resolution up to 1080P
Media	Support PSE, up to 4 external 1080P webcams
MIC/Speaker	Support external Bluetooth or 2.4G microphone, 1 built-in speaker.
Audio Input/Outputs	1x Line in/out ,1x Media
Remote Control	Bluetooth and infrared remote control with multi-touch touchpad
Auxiliary Ports	1x USB 3.0 , 1x USB 2.0 , 1x SD, 1x Reset
Voice Codecs	Support for G.711µ/a, G.722 (wide-band), G.726-32, iLBC, Opus , G.711, G.722.1, G.722.1c ,G729A/B, in-band and out-of-band DTMF (In audio, RFC2833, SIP INFO)
Video Codecs	H.264 BP/MP/HP, video resolution up to 1080P, frame rate up to 30 fps, bit rate up to 4Mbps
People Video Resolutions	4k from 1Mbps to 8Mbps, 20p @ 25/30fps from 512 Kbps to 4Mbps, 4SIF/4CIF/VGA from 384 Kbps to 2Mbps
Content Video Resolutions	720P, 1080P (HDMI) Encoding: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080 Output: 720p, 1080p
Dual-Stream	BFCP, people video (up to 4k@30fps) + content video (up to 1080p@15fps)
Audio Features	AEC, ANS, AGC, PLC, CNG/VAD
Video Features	FEC, dynamic display layout, picture-in-picture, picture-outside-picture
VoIP Bridging	Bridge SIP calls with any Android VoIP apps such as Bluejeans and zoom
Telephony Features	Hold, mute, downloadable phone book (XML, LDAP), call waiting, call history, flexible dial plan, server redundancy & fail-over
Sample Applications	Microsoft Teams, Skye or Skype for Business, Zoom, Youtube, mobile phone data import/export via Bluetooth, etc. API/SDK available for advanced custom application development
Applications Deployment	Allow various Android operation system 9.0 compliant applications to be developed, downloaded and run in the embedded device with provisioning control
QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
Security	User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES encrypted configura- tion file, TLS, 128/256-bit SRTP, HTTPS, 802.1x media access control
Multi-language	English, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and more
Upgrade/Provisioning	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload, mass provisioning using TR-069 or AES encrypted XML configuration file.Detect U disk /SD card system version upgrade automatically.
Power & Green Energy Efficiency	Input: 100~240Vac 50/60hz; output: 48V/0.7A
Package Content	GVC3220 video conference system, GWH10, Wireless microphone, remote control, 4 AAA batteries,universal power supply, network cable, HDMI cables,lens cleaning cloth, bracket,quick installation guide, GPL license
Temperature and Humidity	Operation: 0°C to 40°C, Storage: -10°C to 60°C, Humidity: 10% to 90% Non-condensing
Compliance	Broadsoft FCC: Part15 Class B; Part 15 Subpart C 15.247; Part 15 Subpart E 15.407; MPE. CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1; EN 301 489-1; EN 301 489-17; EN 300 328; EN 301 893; EN 62311. RCM: AS/NZS CISPR32; AS/NZS 4268; AS/NZS 62368.1. IC: ICES-003; RSS-GEN; RSS-247; RSS-102(MPE). HDMI/EAC/REACH/ROHS/WEEE
Optional Accessories	GMD1208