



Ultra HD Multimedia Conferencing System

GVC3220

The GVC3220 is a high-end video conferencing system that provides an interactive and immersive video conferencing environment to increase collaboration and productivity. The SIP-based GVC3220 provides flexibility to support any SIP or H.323 video conferencing platform, including Grandstream's IPVideoTalk Meetings. With IPVideoTalk, the GVC Option plan turns any meeting hosted on a GVC device into an online meeting that can be joined seamlessly by up to thousands of people from a web browser, mobile app or other GVC devices. The GVC3220 is based on Android 9.0 and offers powerful features including 4K Ultra HD video, the ability to locally host up to 5-way 1080p video conferences, wireless screen-sharing capabilities, integrated Wi-Fi, Bluetooth and more. It comes equipped with the GMD1208 desktop wireless microphone to enhance audio quality and provide full room coverage for up to 5m pickup range. Thanks to its suite of powerful, high-end video collaboration features, support for 4k Ultra HD video, ease-of-use and platform flexibility, the GVC3220 is ideal for boardrooms, large conference rooms, auditoriums, classrooms and more.



Supports sharp video quality of up to 4K Full-HD video output



Runs on Android 9.0 operating system



GMD1208 desktop wireless microphone provides full room coverage for up to 5m pickup range



Remote video screen real-time control and sharing PC screen functions



Advanced camera with 8M pixel CMOS sensor, 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



5-way 1080P or 9-way 720P



1x HDMI In, 2x HDMI Out, 1x Line in/out, 1x Media

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	Up to 5-way video conferencing with 1080p @30fps, and 9-way with 720p @30fps conference
Camera	1/2.5", 8 Megapixel CMOS, 4k 30fps or 1080p 60fps output
Lens	12x optical zoom,+/-30° tilt, +/-170° pan, 70.1°~7.4°(W) Field of View, 40.7°~4.2°(T) field of view
Network Interface	1x 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, 1x HDMI 1.4 up to 1080p
Video Input	1x HDMI 1.4a with resolution up to 1080p
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), 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 4k, frame rate up to 30 fps, bit rate up to 8Mbps, H.265 BP/MP/HP, video resolution up to 4K, frame rate up to 30 fps, bit rate up to 8Mbps
Portrait Video Resolutions	4K from 1Mbps to 8Mbps, 1080p from 1Mbps to 4Mbps, and 720p from 512Kbps to 2Mbps
Content Video Resolutions	Input: 720p, 1080p (HDMI) Encoding: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080 Output: 720p, 1080p
Dual-Stream	BFCP, portrait 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
Video Conferencing Service Platform	SIP, H.323, Grandstream IPVideoTalk, 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, Skype or Skype for Business, Zoom, Youtube, 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 configuration file, TLS, 128/256-bit SRTP, HTTPS, 802.1x media access control
Multi-language	English, German, Italian, French, Spanish, Portuguese, Russian, Chinese 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	Universal power adapter: Input: 100~240Vac 50~60Hz Output: 48V/1.35A(64.8W)
Package Content	GVC3220 video conference system, GMD1208 wireless microphone, remote control, 4 AAA batteries,universal power supply, network cable (2 meters), HDMI cables (1x 5 meters, 2x 1.5 meters), lens cleaning cloth, bracket, quick installation guide
Temperature and Humidity	Operation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% (Non-condensing)
Compliance	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

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