GRANDSTREAM
CONNECTING THE WORLD

Video Conferencing Endpoint
GVC3210

The GVC3210 is an innovative video conferencing endpoint ideal for small to medium businesses who seek an easy-to-use yet potent video conferencing solution. By supporting top-tier video resolutions up to 4K Ultra HD, the GVC3210 turns any video conference into a powerful, clear, enhancing experience. Designed to allow users to customize their solution according to their specific communication needs, the GVC3210 can be paired with most video and web conferencing services to create a multi-point conferencing system. This video conferencing endpoint runs on the Android™ operating system. This allows users to utilize any Android conferencing or communication application. The GVC3210 comes equipped with sophisticated Noise-Shield technology to block out background noise and maximize audio quality. Additional features include advanced 4-microphone array with beam-forming capability, a high-end 16M pixel CMOS sensor with ePTZ for easy camera view adjustments and Miracast wireless for convenient content sharing. This simple yet powerful video conferencing endpoint is the ideal choice for SMBs looking for a price-friendly option that still carries the high-end features needed to sustain high-quality business communications.

4K resolution	Android	Bluetooth	WiFi
Experience sharp video quality of up to 4K resolution*	Runs on Android 6.x operating system	Built-in Bluetooth for use with Bluetooth speakers/ microphones, keyboards, data exchange, etc.	Integrated dual band WiFi to pair with video and web conferencing service
Built-in 4-MIC array with beam-forming, support for external audio equipment and innovative Noise Shield technology	Advanced camera with 16M pixel CMOS sensor, 90 FOV wide-angle lens and ePTZ for easy camera view adjustments	Support for Miracast wireless content sharing to share a presentation with conference attendees	Integrated 1x HDMI in, 2x HDMI out, and 2x USB

Protocols / Standards	SIP RFC3261, BFCP, TIP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, LLDP-MED, LDAP, TR-069 (pending), 802.1x, TLS, SRTP, TCP/IP/UDP, IPv6, H.323
Camera	1/2.3", 16 Megapixel CMOS, 4K (2160p) Output
Lens	90°field of view, ePTZ (3x digital zoom)
Network Interface	1× RJ4510/ 100/ 1000 Mbps
WiFi	Integrated dual-band 802.11 a/b/g/n/ac (2.4GHz & 5GHz)
Bluetooth	Integrated Bluetooth 4.0 + EDR
Video Outputs	2x HDMI 1.4 up to 4K (2160p) with CEC
Video Input	1x HDMI 1.4 with resolution up to 1080p
MIC/Speaker	Built-in 4x MIC array
Remote Control	Bluetooth and infrared remote control with multi-touch touchpad
Auxiliary Ports	2x USB 2.0, micro-SD, Reset
Voice Codecs	Support for G.711μ/a, G.722 (wide-band), iLBC, Opus , 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 (2160p), frame rate up to 30 fps, bitrate up to 16Mbps
Video Resolutions	4K (2160p@30fps) from 4096Kbps, 1080p@30fps from 1024Kbps, 720p@30fps from 512 Kbps, 4SIF/4CIF from 128 Kbps, SIF/CIF from 64 Kbps
4K Capability	Experience sharp video quality of up to 4K resolution* 1. When the GVC3210 is using 4K resolution during video call, EPTZ is not supported. The GVC3210 supports 90° field of view. Please install GVC3210 at the position that suits the best conference view if you plan to use 4K resolution. 2. When the GVC3210 is using 4K resolution, local recording is not supported. 3. When the GVC3210 is using 4K resolution, HDMI Out Port 2 is not supported. Users can only use HDMI Out Port 1 for one display.
Content Resolutions (screen sharing)	Input: VGA, SVGA, XGA, 1280×600, WXGA, WXGA, SXGA, 1440×900, XGA+, 720p, 1600×1200, 1080p (HDMI), up to 60fps Encoding: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080 Output: 720p, 1080p
Dual-Stream	BFCP, video resolution (up to 4K 2160p@30fps) + content resolution (up to 1080p@15fps)
Audio Features	AEC, ANS, AGC, Noise Shield, PLC, CNG/VAD
Video Features	FEC, dynamic display layout, picture-in-picture, picture-outside-picture, digital caption
Telephony Features	Hold, forward (unconditional/no-answer/busy), downloadable phone book (XML, LDAP), call waiting, call history, flexible dial plan, personalized music ringtones, server redundancy & fail-over
Sample Applications	Google Hangouts, Microsoft Lync, Web browser, Adobe Flash, Facebook, Twitter, YouTube, Google calendar, mobile phone data import/export via Bluetooth, etc. API/SDK available for advanced custom application development
Applications Deployment	Allow various Android operation system 6.0 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, Turkish, Polish, Chinese, Korean, Japanese, and more
Upgrade/Provisioning	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload, mass provisioning using AES encrypted XML configuration file
Power & Green Energy Efficiency	Input: 100~240Vac 50/60hz; output: 12V/2A 24W
Package Content	GVC3210 video conference endpoint, remote control, 4 AAA batteries, universal power supply, network cable (1.5 meters), 2 HDMI cables (1.5-meter and 5-meter), lens cleaning cloth, mounting kit, quick installation guide, GPL license
Dimensions and Weight	80mm (H) x 46.5mm (W) x 270mm (L)
Temperature and Humidity	Operation: 0°C to 40°C, Storage: -10°C to 60°C, Humidity: 10% to 90% Non-condensing
Compliance	FCC: FCC Part 15B; FCC Part 15C; FCC Part 15E; UL 60950 (power adapter) CE: EN 55032; EN 55024; EN 61000-3-2; EN 61000-3-3; EN 60950-1; EN 301 489-1/17;EN 300 328; EN 301 893; EN 62311; EN 62479; RoHS RCM: AS/NZS CISPR 32/24; AS/NZS 60950.1; AS/NZS 4268; ANATEL

*Android is a Registered Trademark of Google, LLC.

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