

Grandstream GVC3220 Ultra HD Video Conferencing System



Product Name: Grandstream GVC3220 Ultra HD Video Conferencing System

Manufacturer: Grandstream

Model Number: GVC3220

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The Grandstream 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. Grandstream GVC3220 Features

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

• Runs on Android 9.0 operating system

• Remote video screen realtime 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

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

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

• 5-way 1080P or 9-way 720P

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.

Grandstream GVC3220 Technical Specifications
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

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• RJ45 10/100/1000 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

Microphone/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, G.729A/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 Resolution

• Input: 720p, 1080p (HDMI)

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• Encoding: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080
• 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

Application 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

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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

Price: 1,631.36EUR