GVC3220
Ultra HD Multimedia Conferencing System

About the GVC3220

The GVC3220 is a high-end video conferencing system that provides an immersive video conferencing environment. It offers flexibility to support any SIP or H.323 video conferencing platform, including Grandstream's IPVideoTalk Meetings. The GVC3220 is based on Android 9.0 and offers powerful features including 4K Ultra HD video, wireless screen-sharing capabilities, integrated Wi-Fi, Bluetooth and more. It comes equipped with the GMD1208 desktop wireless microphone to provide full room coverage. Thanks to its' suite of high-end video collaboration features, ease-of-use and platform flexibility, the GVC3220 is ideal for boardrooms, large conference rooms, auditoriums, classrooms and more.

Product Positioning

The GVC3220 is a high-end solution designed for medium-to-large spaces that require premium video conferencing features for full room coverage with the highest video quality available. This high-end device is ideal for large conference rooms, board rooms, classrooms and more.

Competitive Features

- Supports sharp video quality of up to 4K full-HD video output
- Runs on Android 9.0; supports any SIP & H.323 platform
- 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 802.11a/b/g/n/ac (2.4GHz & 5GHz), supports Wi-Fi multimedia

Supports 4k Ultra HD video resolution

Runs on Android 9.0

Miracast and Airplay wireless screen sharing

GVC3220 Key Technical Specifications

MCU	Up to 5-way video conferencing with 1080p @30fps, and 9-way with 720p @30fps conference
Camera	1/2.5", 8 Megpixel CMOS, 4k 30fps 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
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
Remote Control	Companion IR remote control
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
Sample Android Applications	Microsoft Teams, Zoom, Google, etc. Allows Android 9.0 compliant applications to be developed, downloaded and run on the GVC3220

GVC3220
A High-End Video Conferencing Solution

A High-End Device for Room-based Deployments

Thanks to support for high-end video features including 4K Ultra HD resolution, 12x zoom and PTZ, the GVC3220 is the ideal solution for medium-to-large-room-based deployments. it was designed for large conference rooms, board rooms, classrooms, training centers and similar spaces. The GVC3320 offers the flexibility to support any SIP, H.323 and Android platform, popular wireless screen-sharing options, and pairs with the GMD1208 Wireless Mic to extend audio in larger spaces. This high-end device provides the coverage, resolution, zoom, flexibility and power needed to enable powerful collaboration from these physical areas.

4K Ultra HD, 12x zoom, PTZ

The GVC3220 supports the highest video resolution available: 4K Ultra HD. It also adds a powerful 12x zoom and PTZ (Pan, Tilt, Zoom) to provide an immersive conferencing experience with the highest possible quality.

Built-in Wi-Fi

Built-in support for dual-band Wi-Fi allows the GVC3220 to be easily and wirelessly added to any network, making for quick deployments. It also supports Wi-Fi Multimedia to ensure the highest possible resolution on Wi-Fi.

Android

The GVC3220 runs on Android 9.0, which offers access to millions of Android apps, the ability to create custom Android apps for the GVC3220 while providing a seamless and intuitive user interface.
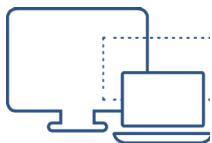
Host Meetings Locally

The GVC3220 can host its' own meetings locally thanks to a built-in MCU, which can support 5-way or 9-way video meetings.

Miracast and Airplay

Support for these popular wireless content sharing protocols allows conference attendees to easily share content with the GVC3220 and conference attendees.

Pair with Included GMD1208

The GMD1208 provides a wireless microphone to extend audio input in large spaces. Each GVC3220 comes with 1x GMD1208 and can be paired with up to 2 GMD1208s.

Large Conference Rooms
Ultra HD video, 12x zoom, PTZ and wireless screen sharing ideal for large room coverage.

Auditoriums / Lecture Halls
Showcase events with 4k Ultra HD resolution and pair with the GMD1208 wireless mic.

Boardrooms
Provide the highest quality of video and audio available with full room coverage

Class Rooms
4K Ultra HD and full room audio coverage provides a powerful remote experience.

Training Centers
Broadcast on-location trainings and seminars with the highest possible video and audio.

Conference & Convention Centers
Provide recording and remote access of seminars with oustanding quality.

GVC3220
Extend Range with GMD1208

Pair with the *Included* GMD1208 for Extended Audio Input

The GMD1208 provides a wireless microphone that pairs with the GVC3220 to extend audio input in conference rooms, training centers, classrooms and similar large spaces. Every GVC3220 comes with 1 GMD1208 included in the box, and can be paired with up to 2 GMD1208s total. The GMD1208 is also available for separate purchase.

GVC3220
Flexibility & Compatibility

Built for Flexibility

SIP & H.323
Supports any SIP and H.323 platform, allowing it to be used with third party solutions.

Android
Supports voice and video communication with popular Android apps.

IPVideoTalk
Natively integrates with Grandstream's IPVideoTalk Meetings Platform.

Built-in MCU
Host up to 9-way video meetings locally with the GVC3220's built-in MCU.

GVC3220
Comparison Chart

	Grandstream GVC3220	Poly RealPresence Group 700	Aver EVC950	Yealink MeetingEye 400
Video Codecs	H.265, H.264	H.264, H.263, H.261, RTV, H.239	H.264, H.263	H.264, H.265/HEVC, H.263, H.263+
MCU & Camera	All-in-one	2 pieces (Group 700 Controller + EagleEye IV camera)	2 pieces	All-in-one
Image Sensor	8 MP	1/2.33" CMOS	2 MP	20 MP
Lens	12x zoom	12x zoom	18x zoom	4x digital zoom
Field of View (diagonal)	170 degrees	72 degrees	82 degrees	133 degrees
Video Resolution	4k, 30fps	1080p, 50-60 fps	1080p, 30fps	4k, 30fps
PTZ	Yes	Yes	Yes	Yes
Video Input	1x HDMI, Miracast and Airplay wireless sharing	2x HDCI, 3x HDMI, 1x YPbPr, 1x VGA	1x EVC eCam camera, 1x DVI (HDMI), 1x VGA	WPP20, Airplay & Miracast wireless sharing, VCH51 wired sharing
Video Input Resolution	1080p, 30fps	1080p, 60fps	1080p, 30fps	4k, 30fps
Video Output	2x HDMI	3x HDMI, 3x VGA/YpBpR	2x HDMI, 1x VGA	1x HDMI
Video Output Resolution	4K, 30fps	1080p, 60fps	1080, 30fps	4k, 30fps
MCU	9-way 720p attendees, 5-way 1080p attendees	8-way 1080p attendees	10-way 1080p attendees, 30fps	Unknown

GMD1208
Desktop Wireless Microphone

About the GMD1208

GMD1208 is an extension microphone companion device for Grandstream's GVC3220 to increase the overall audio coverage range. With ultrasound pairing, long talk time, proprietary 2.4G/BT dual mode and error-resilient transmission, the GMD1208 brings mobility and flexibility for an easy and powerful conferencing solution. Thanks to the dynamic beamforming technology, 8 omni-directional microphones can efficiently choose from up to 24 beam directions, covering 360-degree full band quality voice pickup within a radius of 5-meters for the best user experience. The multi-functional touch key on this device can trigger various functions with different operations and includes an LED indicator for status notifications.

Product Positioning

The GMD1208 was designed to be paired with the GVC3220 and deployed in large spaces including large conference rooms, training centers, classrooms and more. It provides a variety of high-end audio pickup features to ensure full room coverage.

Competitive Features

- Capacitive touch mute button with LED
- 1500mAh built-in Li-Ion battery
- Micro-B port for charging, BYOD microphone and upgrading
- Low power indicator
- Bluetooth v2.1+EDR protocols
- Proprietary 2.4GHz wireless technology for pairing with GVC3220 using Ultrasound paring technology
- High-quality audio coding with error tolerance
- Built-in 8 omni-directional MEMS with 5 meter pickup range

1500mA built-in Li-Ion battery

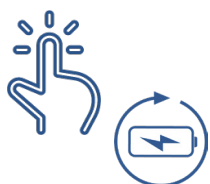Proprietary 2.4GHz wireless technology

Capacitive touch mute button with LED

GMD1208 Key Technical Specifications

MIC	8 omni-directional MEMS
Maximum Connection Distance	Up to 5 metere pickup range
Audio Features	ANS, AGC/DRC, Anti-howling, Noise shield
Audio Codecs	Opus
Bluetooth	Bluetooth 2.1+EDR
Mode Switch	Proprietary 2.4GHz, Bluetooth
Cascade Ability	Pair up to 2 with GVC3220

GMD1208
Designed to be Paired with GVC3220

Pair with GVC3220 for Larger Spaces

The GMD1208 pairs with Grandstream's GVC3220 to ensure full room audio coverage for larger spaces. This compact wireless microphone provides a 5 meter voice pickup range with beamforming technology and 8 omni-directional mics to ensure all audio is picked up and provided to conference attendees in HD quality. Pair up to 2 GMD1208s with each GVC3220 to achieve maximum voice pickup range. This compact yet powerful wireless microphone is the ideal device to pair with the GVC3220 to provide a high-end video solution for medium to large spaces.

Touch Control, Built-in Battery

A capacative touch button allows for quick and easy control of the mute function, while a built-in 1500 mAh lithium ion battery provides long talk time.

Wireless Pairing with GVC3220

A proprietary 2.4GHz wireless connection between the GVC3220 and GMD1208 ensures critical meeting audio is not interfered with by other wireless connections.

8 Omni-Directional Mics

8 omni-directional microphones can efficiently choose from up to 24 beam directions, providing 360-degree audio pickup coverage.

5-meter Voice Pickup Range

5M

A 5-meter voice pickup range allows each GMD1208 to clearly pickup sound and provide clear HD quality audio to video attendeed. Pair up to 2 GDM1208s with each GVC3220.

Beamforming Technology

Dynamic beamforming technology allows this compact device to clearly pickup sound and transmit full HD audio to conference attendees.

Bluetooth

Built-in bluetooth allows the GMD1208 to also be paired with Bluetooth devices for use as a wireless mic.