

HUAWEI RP G2 Series

Integrated Telepresence System

The HUAWEI RP G2 series telepresence incorporates the codec, camera, and HD displays. Easily deployable, it can quickly transform a regular meeting room into a telepresence room to deliver an HD video conferencing experience.

- **Compact, Integrated Design for Easy Communication**

Elegant appearance with an integrated, compact design
Ideal angles with an adjustable height, delivering a comfortable and natural experience
Portable device that is ideal for various scenarios, meeting customers' layout requirements

- **Full HD Videos, Audios, and Data**

1080p HD video images, as well as clear and sharp images and face-to-face communication experience with Huawei proprietary Video Motion Enhancement (VME)
CD-quality AAC-LD audio, creating virtual 3D sound effects
Remote HD display of data files

- **High Network Adaptability and Security**

SVC: ensures interoperability with different bandwidths, devices capabilities, and network environments
Unique SEC: ensures satisfying video quality with a network packet loss rate of 30%
Huawei's proprietary IRC: automatically adapts video resolutions to changing network bandwidths, ensuring meeting quality
Standard H.460 and static NAT firewall traversal: set up secure connections between the public and private networks through a firewall

- **Superb HD Experience at Low Bandwidth with New VME+HP Dual-Core Technologies**

Next-gen VME and H.265 supported, saving 50% bandwidth consumption

- **Smooth Operations with User-friendly UI**

Intuitive and stylish user-friendly UI design
Quick meeting joining by speaking a site name
Auto speaker detection and tracking (RP200-55T G2) to automatically capture close-up video of the speaker, present a panoramic view of the meeting room, or display the video of two participants who are having a conversation separately in two panes
Wireless sharing from PC or mobile phone, free of complex cable connection
10-inch Touch with user-friendly GUI
AI voice assistant, conveniently conference control

- **Flexible Choice**

Single-screen or dual-screen available
Fixed or mobile deployment supported



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System Components	
Basic components	Full HD LCD, 1080p core codec, 1080p HD camera or intelligent tracking camera, microphone, rack, and Touch panel
Display	55-inch HD display (16:9), 1920 x 1080 resolution
Communications Protocols	
Multimedia framework protocols	ITU-T H.323、IETF SIP
Video encoding and decoding protocols	H.265、H.264 HP、H.264 BP、H.264 SVC、H.263、H.263+
Audio encoding and decoding protocols	G.711A、G.711U、G.722、G.722.1、G.722.1C、G.729A、AAC-LD、OPUS
Dual-stream protocols	ITU-T H.239、BFCP
Other communications protocols	H.225、H.235、H.241、H.245、H.281、H.350、H.460、RFC2833、LDAP、LDAPS
Network transmission protocols	TCP/IP、RTP、RTCP、DHCP、DNS、SMTP、SNMP、SNTP、Telnet、SSH、HTTP、HTTPS、TR-069
Video Features	
Video resolution	<ul style="list-style-type: none"> H.264 <ul style="list-style-type: none"> 1080p 60 fps at 1 Mbit/s 1080p 30 fps at 512 kbit/s 720p 60 fps at 768 kbit/s 720p 30 fps at 384 kbit/s H.265 <ul style="list-style-type: none"> 1080p 60 fps at 768 kbit/s 1080p 30 fps at 384 kbit/s 720p 60 fps at 512 kbit/s 720p 30 fps at 256 kbit/s
Content resolutions	Input: 3840×2160 25/30/50/60fps, 1920×1200 60fps, 1920×1080 24/25/30/50/60fps, 1680×1050 60fps, 1600×1200 60fps, 1600×900 60fps, 1400×1050 60fps, 1440×900 60fps, 1366×768 60fps, 1360×768 60fps, 1280×1024 60/75/85fps, 1280×960 60/75/85fps, 1280×800 60/75/85fps, 1280×768 60/75/85fps, 1280×720 60/75/85fps, 1280×600 60fps, 1152×864 60/75/85fps, 1024×768 60/70/75/85fps, 800×600 56/60/72/75/85fps, 640×480 60/72/75/85fps Transcoding: CIF(352*288), 640*480, 4CIF(704*576), 800*600, 1024*768, 720P(1280*720), 1280*1024, 448P(768*448), 1080P(1920*1080), 1600*1200, 1920*1200, 1152*864, 1280*600, 1280*768, 1280*800, 1280*960, 1360*768, 1366*768, 1440*900, 1400*1050, 1600*900, 1680*1050, 2048*1152, 2048*1236, 2048*1536, 2048*1556, 2560*1440, 2560*1600, 2560*2048, 2880*1620, 2880*1800, 3200*1800 Output: 1920×1080, 3840×2160
Dual-stream resolution	Dual 1080p 60 fps
1080p HD precision camera	<ul style="list-style-type: none"> RP100-55 G2/RP200-55 G2: 2.38-megapixel, 1/2.8-inch CMOS RP200-55T G2: voice tracking camera, dual cameras, 2.38 megapixel 1080p 60 fps; maximum horizontal angle of view: 72° Automatic white balance (AWB), automatic exposure (AE), automatic focus (AF), and remote camera control
Other video features	<ul style="list-style-type: none"> Facial recognition: various display modes such as Picture in Picture (PIP) and Picture out Picture (PoP) Video Motion Enhancement (VME) VideoIntensifier ViewProcessing
Audio Features	
Audio features	Acoustic Echo Cancellation (AEC), Automatic Noise Suppression (ANS), Automatic Gain Control (AGC), VoiceClear, AudioEnhancer, and lip synchronization

Stability and Security	
Network adaptability	Super Error Concealment (SEC), Automatic Repeat Request (ARQ), Forward Error Correction (FEC), Intelligent Rate Control (IRC), and Backward Error
Security management	<ul style="list-style-type: none"> H.235/TLS for signaling encryption and SRTP for media encryption Meeting access password, meeting control password, and administrator password Dual-stream encryption
Firewall traversal	H.460 public-private network traversal, static NAT
Bandwidth	
IP	64kbps ~ 8Mbps
Meeting Features	
GUI languages (Touch panel)	Simplified Chinese, English, French, German, Japanese, Spanish, Portuguese, Traditional Chinese, and Russian
Prominent features	<ul style="list-style-type: none"> Web-based meeting control USB plug-and-play, with zero configuration Web-based video surveillance LDAP/Network address book Open APIs for third-party integration and development HD image snapshot (16:9) Intelligent voice assistant 4:3 display mode PIP: small pane that is 1/16 of the main pane in size and whose position is adjustable Wi-Fi access Wireless data sharing AirPresence SiteCall
Digital captions	<ul style="list-style-type: none"> Scrolling captions and banners, auto adjustment of the caption area, and adaptive real scenery editing Configurable caption scrolling mode, and support for displaying site names and changing site name display position Adjustable background transparency, color and font size (16 colors are available) T.140 short messages supported
Maintenance Management	
Maintenance methods	Touch control: flattened and simplified UI Endpoint NMS: SNMP-compliant network management system Web security management: built-in web server and graphical maintenance and diagnosis CLI: Telnet and SSH login supported
Maintenance function	Automatic standby, hibernation, and wakeup (remote wakeup) Event log recording, query, display, and export IP network diagnosis and factory setting restoration Built-in loopback: local self-loop and remote loopback Built-in audio and video test
Physical Specifications	
Dimensions (mm) (W x H x D)	RP100-55 G2: 1238mm × 618mm × 1741mm RP200-55 G2: 2476mm × 618mm × 1741mm RP200-55T G2: 2476mm × 618mm × 1741mm
Gross Weight (kg)	RP100-55 G2: 140.6kg RP200-55 G2: 168.4kg RP200-55T G2: 174.2kg
Net Weight (kg)	RP100-55 G2: 103.3kg RP200-55 G2: 124.5kg RP200-55T G2: 129.2kg
Environment Requirements	
Environment requirements	Temperature: -5°C to +45°C (operating state) Relative humidity: 10% to 95% (operating state) Ambient noise: < 46 dBA SPL Recommended illuminance: > 300 lux Color temperature: 4000 K Reverberation time: 0.3s to 0.5s
Device certification	CCC
Power and Power Supply	
Input voltage range	100–240 V AC, 50–60 Hz
Max. Power	RP 100-55 G2: 160 W; RP 200-55 G2: 255 W; RP 200-55T G2: 298 W