



## Affordable multi-point HD Video conferencing system

# KX-VC1300

Panasonic's KX-VC1300 HD Video Communications System reduces initial costs while enabling multi-site connection. The HDVC System can be used to hold videoconferences with clients without requiring network equipment. And it allows people to participate in videoconferences from just about anywhere via mobile devices.

### Key Features

Multi-site videoconference with up to 4 locations

Multiple devices supported (PC, Android and iOS) and compatible with other video conference systems

The Rate Control function adjusts data traffic based on network congestion. Low Bandwidth Communication Support.

Full-HD 1080/60p Video quality and clear Audio with Panasonic's original Echo Canceller Technology

Recording Capability

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<https://ap.connect.panasonic.com/id/en/products/hdvc/kx-vc1300>

<b>Communication Protocol</b>	SIP, H.323
<b>Video Compression Method</b>	H.261 (Main Stream only), H.263, H.263+, H.263++ (reception only), H.264 High Profile, H.264 Baseline Profile
<b>Audio Compression Method</b>	G.711 $\mu$ -law, A-law (3.4 kHz@64 kbps) G.722 (7.0 kHz@64 kbps) G.722.1 (7.0 kHz@32 kbps) G.722.1 Annex C (14.0 kHz@48 kbps/24 kbps) MPEG-4 AAC-LD Mono (14.0 kHz@32 kbps, 22.0 kHz@96 kbps/64 kbps) MPEG-4 AAC-LD Stereo (22.0 kHz@96 kbps/64 kbps)
	No. of Channels: G.711/G.722/G.722.1/G.722.1 Annex C: 1 MPEG-4 AAC-LD Mono: 1/MPEG-4 AAC-LD Stereo: 2
<b>Remote Camera Control</b>	H.224, H.281 (Zoom/Pan/Tilt/Presets)
<b>Dual Stream (Method)</b>	H.239 (H.323), BFCP (SIP)
<b>Dual Stream (No. of Displays)</b>	2 displays
<b>Dual Stream (Supported Resolution and Frame Rate)</b>	Main: Maximum 1080p 30 frames/sec. Sub: 1080p 30 frames/sec.
<b>Encryption</b>	SRTP (AES 128-bit), H.235 (AES 128-bit)
<b>Other</b>	H.460
<b>Communication Bandwidth</b>	256 kbps – 18 Mbps
<b>Video Compatible Resolution</b>	176 × 144p, 352 × 240p, 352 × 288p, 512 × 288p, 640 × 480p, 704 × 480p, 768 × 432p, 800 × 600p, 1024 × 768p, 1280 × 720p, 1280 × 768p, 1280 × 800p, 1920 × 1080i, 1920 × 1080p
<b>Video Frame Rate</b>	Maximum 60 frames/sec. (When using H.264 1080p)
<b>Video Screen Display</b>	Full screen, Picture in Picture, Picture with Picture, Side by Side
<b>Audio</b>	Echo Canceller, Auto Gain Control, Stationary Noise Reduction, Lip Sync, Equalizer, Mic Mute
<b>Input/Output Terminals (Video Input Camera)</b>	HDMI Main × 1, HDMI Sub × 1 Input Resolution: 1280 × 720p, 1920 × 1080i, 1920 × 1080p
<b>Input/Output Terminals (Video Input PC)</b>	RGB × 1 (Mini D-sub 15pin), HDMI × 1 *2 Input Resolution: VGA, SVGA, XGA, HD, WXGA, SXGA, FWXGA, WXGA+, WXGA++, UXGA, WSXGA+, Full HD *2:HDCP is not supported.
<b>Input/Output Terminals (Video Output)</b>	HDMI × 2 Supported output resolutions: 1920 × 1080i, 1920 × 1080p
<b>Input/Output Terminals (Audio Input)</b>	Boundary Microphone (Digital Interface Type) × 1 (KX-VCA001) (Up to 4) Boundary Microphone (Analogue Interface Type) × 1 (KX-VCA002) (Up to 1) Stereo mini-plug *3 × 1 (ø3.5 mm) RCA × 1 (Stereo) *3:For 3-conductor stereo mini-plugs only.
<b>Input/Output Terminals (Audio Outputs)</b>	HDMI *4 Stereo mini-plug *3 × 1 (ø3.5 mm) RCA × 1 (Stereo) *3:For 3-conductor stereo mini-plugs only. *4:Simultaneous voice audio output for HDMI1/HDMI2 is not supported.
<b>Input/Output Terminals (Network)</b>	RJ45 × 1 (100BASE-TX Full Duplex)
<b>Input/Output Terminals (External Controller)</b>	RS-232C × 1 (Also used for maintenance)
<b>Input/Output Terminals (Other)</b>	USB 2.0 × 1, Camera Control terminal × 1 (Not used)
<b>No. of Simultaneous Connections</b>	4
<b>Contents Sharing</b>	PC (RGB/HDMI), Sub video camera (HDMI Sub)
<b>USB Memory Device</b>	Updating Software Import: Contact List/Profile *5 /Configuration Data/Encryption Data/ Startup screen/Multicast Tree List Export: Contact List/Profile *5 /Configuration Data/Encryption Data/ Multicast Tree List
<b>Network Protocol</b>	TCP/IPv4, TCP/IPv6 *6, UDP/IPv4, UDP/IPv6 *6, DHCP, DNS, HTTP, HTTPS, TELNET, NTP *6 Some features are not supported when using IPv6.

<b>Network Functions</b>	Packet resending (ARQ), Forward Error Correction (FEC), Adaptive Rate Control (ARC), Reorder, Packet Shaping, Arbitrary port setting, NAT support, encryption, IP Precedence/DiffServ support
<b>External Control</b>	Control via web browser/HTTP CGI, TELNET, RS-232C
<b>Connection Mode</b>	IP mode, NAT Traversal mode, IP / NAT Traversal Mode
<b>Dimensions (W x D x H)</b>	Approx. 320 mm × approx. 230 mm × approx. 61 mm (excluding projecting parts)  (approx. 12 in × approx. 9 in × approx. 2.4 in)
<b>Weight</b>	Approx. 2.0 kg (approx. 4.4 lb)
<b>Power Input</b>	AC 100–240 V, 50/60 Hz  up to 1.4 A
<b>Power Consumption</b>	Maximum: 43 W, In standby: 0.6 W
<b>DC Power Input</b>	DC 24 V, 2.5 A
<b>Operating Temperature</b>	0 °C – 40 °C (32 °F–104 °F)
<b>Operating Humidity</b>	10 % – 90 % (non-condensing)