



## Point to Point HD Video conferencing system

# KX-VC1000

The KX-VC1000 HDVC System provides effective visual communication without restrictions on time or place. Ideal for remote lectures and seminars which are conducted at multiple sites.

### Key Features

Point to Point Connection expandable up to a 4-Site Connection with the purchase of an activation key

Smooth 2-way conversation with Broadband Stereo Full Duplex Audio and unique Echo Canceller technology

Clear communication signal with high quality video Full-HD 1080/60p

Easy setup. Connect the display, HDVC main unit, camera and microphone to the power strip.

AV-QoS rate control: even if the bandwidth decreases after communication starts, clear communication is maintained

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<https://ap.connect.panasonic.com/id/en/kx-vc1000>

<b>Communication Protocol</b>	SIP, H.323
<b>Video Compression Method</b>	H.261 (mainstream only), H.263, H263+, 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 (7.0 kHz@32 kbps, 14.0 kHz@64 kbps, 22.0 kHz@96 kbps) MPEG-4 AAC-LD Stereo (14.0 kHz@64 kbps, 22.0 kHz@96 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/Preset)
<b>Dual Stream (Method)</b>	H.239 (H.323), BFCP (SIP)
<b>Dual Stream (No. of Displays)</b>	1 display (Expandable to 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 × 1(Expandable to 2) Supported output resolutions: 1920 × 1080i, 1920 × 1080p
<b>Input/Output Terminals (Audio Input)</b>	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>	2 (Expandable to 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

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<b>Dimensions (W x H x D)</b>	Approx. 320 mm × approx. 230 mm × approx. 61 mm (excluding projecting parts) (approx. 12 in × approx. 9 in × approx. 2.4 in)
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<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: 37 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)

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