



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/p/h/en/products/hdvc/kx-vc1000>

Communication Protocol	SIP, H.323
Video Compression Method	H.261 (mainstream only), H.263, H.263+, H.263++ (reception only), H.264 High Profile, H.264 Baseline Profile
Audio Compression Method	G.711 μ -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
Remote Camera Control	H.224, H.281 (Zoom/Pan/Tilt/Preset)
Dual Stream (Method)	H.239 (H.323), BFCP (SIP)
Dual Stream (No. of Displays)	1 display (Expandable to 2 displays)
Dual Stream (Supported Resolution and Frame Rate)	Main: Maximum 1080p 30 frames/sec. Sub: 1080p 30 frames/sec.
Encryption	SRTP (AES 128-bit), H.235 (AES 128-bit)
Other	H.460
Communication Bandwidth	256 kbps – 18 Mbps
Video Compatible Resolution	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
Video Frame Rate	Maximum 60 frames/sec. (When using H.264 1080p)
Video Screen Display	Full screen, Picture in Picture, Picture with Picture, Side by Side
Audio	Echo Canceller, Auto Gain Control, Stationary Noise Reduction, Lip Sync, Equalizer, Mic Mute
Input/Output Terminals (Video Input Camera)	HDMI Main × 1, HDMI Sub × 1 Input Resolution: 1280 × 720p, 1920 × 1080i, 1920 × 1080p
Input/Output Terminals (Video Input PC)	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.
Input/Output Terminals (Video Output)	HDMI × 1(Expandable to 2) Supported output resolutions: 1920 × 1080i, 1920 × 1080p
Input/Output Terminals (Audio Input)	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.
Input/Output Terminals (Audio Outputs)	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.
Input/Output Terminals (Network)	RJ45 × 1 (100BASE-TX Full Duplex)
Input/Output Terminals (External Controller)	RS-232C × 1 (Also used for maintenance)
Input/Output Terminals (Other)	USB 2.0 × 1, Camera Control terminal × 1 (Not used)
No. of Simultaneous Connections	2 (Expandable to 4)
Contents Sharing	PC (RGB/HDMI), Sub video camera (HDMI Sub)
USB Memory Device	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
Network Protocol	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.
Network Functions	Packet resending (ARQ), Forward Error Correction (FEC), Adaptive Rate Control (ARC), Reorder, Packet Shaping, Arbitrary port setting, NAT support, encryption, IP Precedence/DiffServ support
External Control	Control via web browser/HTTP CGI, TELNET, RS-232C
Connection Mode	IP mode, NAT Traversal mode, IP / NAT Traversal Mode

Dimensions (W x H x D)	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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Weight	Approx. 2.0 kg (approx. 4.4 lb)
Power Input	AC 100 – 240 V, 50/60 Hz up to 1.4 A
Power Consumption	Maximum: 37 W, In standby: 0.6 W
DC Power Input	DC 24 V, 2.5 A
Operating Temperature	0 °C – 40 °C (32 °F – 104 °F)
Operating Humidity	10 % – 90 % (non-condensing)
