



Advanced multi-point HD Video conferencing system, expandable up to a 24-Site Connection. Standard system comes with 16 site connection, this can be expanded to 24 sites with a licence Dual Network Multi Device Triple Monitor

KX-VC2000

Panasonic KX-VC2000 HD Visual Communication System allows efficient communication and information sharing between up to 24 sites with minimum initial setting costs. The HDVC System incorporates Panasonic's high-quality image and sound technologies.

Key Features

Multi-site videoconference with up to 24 locations.

Easy operation and management: Dual Streaming and triple Monitor support at the hosting site, Optimum screen layout between all participants and presenter's screens, Remote Camera Control.

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

AV-QoS Technology H.264 high-profile codec for high image compression efficiency

Expandability with the purchase of HDVC activation keys and optional accessories ● ALM Multicast (one-way transmission) ● Add 4 sites Connection ● Mobile Control License ● NAT Traversal Cloud Service. Link up signals from Android, iOS and Windows PC ● Peripheral devices: Microphones, cameras.

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<https://ap.connect.panasonic.com/sg/en/products/hdvc/kx-vc2000>

Communication Protocol	SIP, H.323
Video Compression Method	H.261 (Main Stream 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: 1MPEG-4 AAC-LD Mono: 1/MPEG-4 AAC-LD Stereo: 2
Remote Camera Contolr	H.224, H.281 (Zoom/Pan/Tilt/Preset)
Dual Stream (Method)	H.239 (H.323), BFCP (SIP)
Dual Stream (No. of Displays)	3 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-24 Mbps
Video Compatible Resolution	176 x 144p, 352 x 240p, 352 x 288p, 512 x 288p, 640 x 480p, 704 x 480p, 704 x 576p, 768 x 432p, 800 x 600p 1024 x 768p, 1280 x 720p, 1280 x 768p, 1280 x 800p, 1920 x 1080p *1 Varies according to device settings and the status of the network.
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 \times 1, HDMI Sub \times 1 Input Resolution: 1280 \times 720p, 1920 \times 1080i, 1920 \times 1080p
Input/Output Terminals (Video Input PC)	RGB \times 1 (Mini D-sub 15pin), HDMI \times 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 \times 2 Supported output resolutions: 1920 \times 1080i, 1920 \times 1080p RCA \times 1 (Component) HDMI \times 1 (For own site/recording video)
Input/Output Terminals (Audio Input)	Boundary Microphone (Digital Interface Type) \times 1 (KX-VCA001) (Up to 4) Boundary Microphone (Analogue Interface Type) \times 1 (KX-VCA002) (Up to 1) Stereo mini-plug*3 \times 1 (ϕ 3.5 mm) RCA \times 1 (Stereo) *3 For 3-conductor stereo mini-plugs only.
Input/Output Terminals (Audio Outputs)	HDMI*4 Stereo mini-plug*3 \times 1 (ϕ 3.5 mm) RCA \times 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 \times 2 (1000BASE-TX Full Duplex)
Input/Output Terminals (External Controller)	RS-232C \times 1 (Also used for maintenance)
Input/Output Terminals (Other)	USB 2.0*9 \times 1 (Host Mode, Device Mode), Camera Control terminal \times 1 (Not used)*9 Power supply capacity: 5 V/500 mA
No. of Simultaneous Connections	16 (Expandable to 24)
Contents Sharing	PC (RGB/HDMI), Sub video camera (HDMI Sub)
USB Host Mode (USB Memory Device)	Updating Software, Import (Contact List/Profile*10 /Configuration Data/Encryption Data/Startup screen/Multicast Tree List), Export (ContactList/Profile *10 /Configuration Data/Encryption Data/Multicast TreeList), Recording *10 Available for the KX-VC1000 after KX-VCS314 expansion has been enabled.
USB Device Mode	USB Video Class: Version 1.0 USB Audio Class: Version 1.0
Network Protocol	TCP/IPv4, TCP/IPv6 *11, UDP/IPv4, UDP/IPv6 *11, 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 x approx. x 270 mm x approx. 61 m (excluding projecting parts) (approx. 12 in x approx. 10 in x approx. x2.4 in)
Weight	Approx. 3.4 kg (approx. 7.5 lb)
Power Input	AC 100-240 V, 50/60 Hz up to 1.0 A
Power Consumption	Maximum: 73 W, Instand by: 0.6 W
DC Power Input	DC 24 V, 3.0 A
Operating Temperature	0 °C - 40 °C (32 °F - 104 °F)
Operating Humidity	10 % - 90 % (non - condensing)