

Affordable multi-point HD Video conferencing system connecting up to 10 sites Dual Network Multi Device Triple Monitor

KX-VC1600

The KX-VC1600 HDVC System can connect up to 10 sites without requiring network equipment. It can connect via intranet/VPN or Internet, thus enabling multi-site videoconferencing with a client or with people in distant locations via mobile devices. The HDVC System incorporates Panasonic's high-quality image and sound technologies cultivated in the development of various AV products over the years.

Key Features

- Multi-site videoconference with up to 10 locations
- Dual Network. Connect via intranet/VPN and Internet simultaneously, inside and outside your company.
- Multiple devices supported (PC, Android and iOS) and compatible with other video conference systems
- 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

Panasonic CONNECT

KX-VC1600

https://ap.connect.panasonic.com/ph/en/kx-vc1600

Communication Protocol	SIP, H.323
Video Compression Method	H.261 (mainstream only), H.263, H263+, 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 Contlor	H.224, H.281 (Zoom/Pan/Tilt/Preset)
Dual Stream (Method)	H.239 (H.323), BFCP (SIP)
Dual Stream (No. of Displays)	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.460.18, H.460.19
Communication Bandwidth	256 kbps - 18 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
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 × 2 Supported output resolutions: 1920 × 1080i, 1920 × 1080p RCA × 1 (Component) HDMI × 1 (For own site/recording video)
Input/Output Terminals (Audio Input)	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.
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 × 2 (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	6 (Expandable to 10)
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 D x H)	Approx. 320 mm × approx. 230 mm × approx. 61 mm (excluding projecting parts) (approx. 12 in × approx. 9 in × approx. 2.4 in)
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: 45 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)