



Flexible Videoconferences That Meet Your Needs

Quick decision making and extensive information sharing are essential for today's business. Panasonic HD Visual Communication (HDVC*) System supports them with efficient communication at a distance.

* HD Visual Communications System is abbreviated as HDVC hereafter.

HDVC Main Unit



KX-VC2000

- Full HD 1080p image quality
- Dual Network
- Multi-Device

Max.
24
sites
*1

KX-VC1600

- Full HD 1080p image quality
- Dual Network
- Multi-Device

Max.
10
sites
*1

KX-VC1300

- Full HD 1080p image quality
- Multi-Device

Built-in
4
sites

KX-VC1000

- Full HD 1080p image quality
- Multi-Device
- Expandable up to 4 sites connection*1

Point
to
Point

HDVC Mobile*1 (HDVC Application)

(Windows/iOS/Android™)



Optional Accessories

Sold separately

HD Communication Cameras

KX-VD170

- 12x Optical zoom
- 10x Digital zoom
- 72.5° Horizontal angle of view



GP-VD131

- 3x Optical zoom
- 4x Digital zoom
- 85° Horizontal angle of view



Omnidirectional Boundary Microphone



Up to 24 sites Multi-Point Connection*1

HDVC's line-up can cover point to point connections and can connect up to 24 sites. It is available for flexible system configurations to meet customers' needs.

Dual Network Connection for company internal and external network

HDVC is ready for connecting both internal and external networks. No expensive network equipment is required to connect external companies.
(Dual Network is available on KX-VC2000 / KX-VC1600.)

USB Memory Recording

HDVC enables you to record video image and sound of local and remote sites to USB memory without any expensive equipment. Instead, the PC can be used as a playback machine.

Web Conference Support Tools*3 **NEW**

USB Device mode enables the use of HDVC's camera, microphone, and monitor as Web conference PC peripherals. Web Hybrid mode allows users to bridge HDVC conference and Web conference together.

Interoperability with other manufacturer's videoconference units

HDVC supports conventional protocol of H.261/H.263/H.264AVC as well as H.239(H.323) / BFCP (SIP) dual stream which provides a less expensive step-by-step migration method.

Improved Web Console for remote maintenance and control

Web Console makes it easier and more efficient to control HDVC remotely from a web browser. This might be ideal for operations in large conferences / halls.

Specifications

Main Unit		KX-VC2000	KX-VC1600	KX-VC1300	KX-VC1000
Communication Method		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 Control		H.224, H.281 [Zoom/Pan/Tilt/Preset]			
Dual Stream Method		H.239 (H.323), BFCP (SIP)			
Multi-Monitor		3 displays		2 displays ¹	
No. of Applicable Resolution Frames		Main: Max. 1080p 30 frames/second, Sub: Max. 1080p 30 frames/second			
Encryption		SRTP (AES 128 bit), H.235 (AES 128 bit)			
Other		H.460			
Communication Bandwidth		256 kbps to 24 Mbps		256 kbps to 18 Mbps	
Video Compatible Resolutions ²		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			
No. of Frames		Max. 60 frames/second (When using H.264 1080p)			
Screen Display		Full-screen, Picture in Picture, Picture with Picture, Side by Side			
Audio		Echo canceller, Auto gain control, Stationary noise reduction, Lip synch, Equalizer, Mic mute			
I/O Terminals		Video Input Camera ³ HDMI main x 1, HDMI sub x 1 Input resolution: 1280 x 720p, 1920 x 1080i, 1920 x 1080p PC RGB x 1 (Mini D-sub 15pin), HDMI x 1 ³ Input compatible resolution: VGA, SVGA, XGA, HD, WXGA, SXGA, FWXGA, WXGA+, WXGA++, UXGA, WSXGA+, Full-HD			
Video Output		HDMI x 2, HDMI x 1 (For own site/recording video) RCA x 1 (Component) Supported output resolutions: 1920 x 1080i, 1920 x 1080p		HDMI x 2 ¹ Supported output resolutions: 1920 x 1080i, 1920 x 1080p	
Audio Input		Omnidirectional Boundary Microphone (Digital Interface Type) x 1 (KX-VCA001) Max. 4, Omnidirectional Boundary Microphone (Analogue Interface Type) x 1 (KX-VCA002) Max. 1, HDMI, Stereo mini-plug ⁴ x 1 (ϕ 3.5 mm), RCA (Stereo) x 1			Omnidirectional Boundary Microphone (Analogue Interface Type) x 1 (KX-VCA002) Max. 1, HDMI, Stereo mini-plug ⁴ x 1 (ϕ 3.5 mm), RCA (Stereo) x 1
Audio Output		HDMI ⁵ , Stereo mini-plug ⁴ x 1 (ϕ 3.5 mm), RCA x 1 (Stereo)			
Network		RJ45 x 2 (1000BASE-T/100BASE-TX Full Duplex)	RJ45 x 2 (100BASE-TX Full Duplex)	RJ45 x 1 (100BASE-TX Full Duplex)	
External Control Others		RS-232C x 1 (Also used for maintenance) USB 2.0 x 1, Camera Control Terminal x 1 (Not used)			
No. of Simultaneous Connection Sites		24 ⁶ (Max.) / 16 (Default)	10 ⁶ (Max.) / 6 (Default)	4 (Default)	Point to point (Expandable to 4 ⁶)
Unauthorized Incoming Call Security		Identification Number / Terminal Verification (HDVC, HDVC Mobile) / Whitelist			
Content Sharing		PC (RGB/HDMI), Sub video camera (HDMI sub)			
USB Host Mode (USB Memory)		Updating Software Import: Contact List / Profile ⁷ / Configuration Data / Encryption Data / Startup screen / Multicast Tree List Export: Contact List / Profile ⁷ / Configuration Data / Encryption Data / Multicast Tree List Recording (Audio and Video)			
USB Device Mode (PC Peripheral) ⁸		USB Audio Class 1.0 / USB Video Class 1.0			
WEB Hybrid Mode ⁹		USB Audio Class 1.0			
Network Protocol		TCP/IPV4, TCP/IPV6 ⁹ , UDP/IPV4, UDP/IPV6 ⁹ , DHCP, DNS, HTTP, HTTPS, TELNET, NTP			
Network Functions		Packet resending (ARQ), Forward Error Correction (FEC), Adaptive Rate Control (ARC), Reorder, Packet Shaping, Arbitrary Port Setting, NAT Compatibility, Encryption, IP Precedence/DiffServ Support			
External Control		Control via web browser/HTTP CGI, TELNET, RS-232C			
Connection Modes		IP mode, NAT Traversal Service, IP/NAT Traversal Service			
Dimensions (width x depth x height) (Unit: mm) *Excluding projecting parts		Approx. 320 x 270 x 61		Approx. 320 x 230 x 61	
Weight		Approx. 3.4 kg		Approx. 2.0 kg	
Power Input		AC 100-240 V, -1.0 A, 50/60 Hz			
Power Consumption		Max.: approx. 73 W, Standby: 0.6 W	Max.: approx. 45 W, Standby: 0.6 W	Max.: approx. 43 W, Standby: 0.6 W	Max.: approx. 37 W, Standby: 0.6 W
DC Power Input		DC 24 V, 3.0 A			
Operating Temperature		0 °C to 40 °C			
Operating Humidity		10 % to 90 % (non-condensing)			

*When connected to a different brand's device or MCU (Multi-point Control Unit), connection conditions vary depending on the specifications of their devices or MCUs.

*1 For KX-VC1000, an activation key is necessary to use 2 monitors and HDMI2. *2 Varies due to the settings of the HDVC System and the network condition. *3 HDCP is not supported.

*4 Dedicated 3-pole stereo mini-plug. *5 Audio cannot be output simultaneously to HDMI1/HDMI2. *6 An activation key is required. *7 Available for KX-VC1000 after KX-VCS314 expansion has been enabled.

*8 Optional kit is required. *9 Some functions are not supported by IPv6.

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