Flexible Videoconferencing That Meets Your Needs

The Panasonic Visual Communications System (HDVC) takes your meeting to the next level by allowing you to collaborate in real-time without any restrictions on time or place.

HDVC Main Unit

HD Communication Camera, Boundary Microphone, HDMI cable sold separately.

Optional Accessories*
*Sold separately

HD Communication Cameras

GP-VD151   GP-VD131

Boundary Microphones

KX-VCA001   KX-VCA002

Max. 24 sites

KX-VC2000 NEW
- Full HD 1080p image quality
- Dual Network
- Multi-Device

Max. 10 sites

KX-VC1600
- Full HD 1080p image quality
- Dual Network
- Multi-Device

Built-in 4 sites

KX-VC1300
- Full HD 1080p image quality
- Multi-Device

HDVC Mobile (HDVC Application)

(Windows/iOS/Android™)
*iPhone and iPad supported

Up to 24 sites Multi-Point Connection

New HDVC have a Line-up covering point to point connection and up to 24 sites connection. It can be available for flexible system configuration to meet customers' needs.

Dual Network Connection for company internal and external network

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

Multi-Device stress-free conference

HDVC supports Multi-Device of Windows/iOS/Android™. Packet losses for the HDVC System and HDVC Mobile are prevented by the rate control (AV-QoS), and lost packets are restored by the combined use of the forward error correction and automatic repeat request control.

Multi Monitor Capability

HDVC supports multi-monitors to show PC contents, and other party camera image. The KX-VC2000 / KX-VC1600 supports Triple Monitors that enables even third monitor to show own site image. The KX-VC1300 supports Dual Monitors only.

Interoperability with other manufacturers' videoconference units

HDVC supports conventional protocol of H.261/H.263/H.264 as well as H.239/BFCP dual stream of PC contents and camera image simultaneous display. This provides existing videoconference user step by step less expensive migration.

*Due to product development, details are subject to change without notice.

Specifications

Main Unit				KX-VC2000 NEW	KX-VC1600	KX-VC1300
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
	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[1]			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[2]		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[2] 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 Supported output resolutions: 1920 x 1080i, 1920 x 1080p
	Audio Input			Boundary Omnidirectional Microphone (Digital Interface Type) x 1 (KX-VCA001) Max. 4, Boundary Omnidirectional Microphone (Analogue Interface Type) x 1 (KX-VCA002) Max. 1, HDMI, Stereo mini-plug[3] x 1 (ø3.5 mm), RCA (Stereo) x 1		
	Audio Output			HDMI[4], Stereo mini-plug[3] x 1 (ø3.5 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			RS-232C x 1 (Also used for maintenance)		
	Others			USB 2.0 x 1, Camera Control Terminal x 1 (Not used)		
No. of Simultaneous Connection Sites				24[5] (Max.) /16 (Default)	10[5] (Max.) /6 (Default)	4 (Default)
Content Sharing				PC (RGB/HDMI), Sub video camera (HDMI sub)		
USB Memory				Updating Software Import: Address Book / Profiles / Structural Data / Encryption Data / Start-up Screen / Delivery Tree List Export: Address Book / Profiles / Structural Data / Encryption Data / Delivery Tree List		
Network Protocol				TCP/IPv4, TCP/IPv6[6], UDP/IPv4, UDP/IPv6[6], DHCP, DNS, HTTP, HTTPS, TELNET, NTP		
Network Functions				Automatic Repeat Query (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	AC 100-240 V,-1.4A, 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
DC Power Input				DC 24 V, 3.0 A	DC 24 V, 2.5 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 Varies due to the settings of the HDVC System and the network condition. *2 HDCP is not supported. *3 Dedicated 3-pole stereo mini-plug.
*4 Audio cannot be output simultaneously to HDMI1/HDMI2. *5 An activation key must be purchased. *6 Some functions are not supported by IPv6.

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1-800-635-3587

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