Panasonic
BUSINESS

HD Visual Communications System
KX-VC1600SX
KX-VC1300SX
KX-VC1000SX
New Product Introduction

Flexible Videoconferences That Meet Your Needs

Quick decision making and extensive information sharing are essential for todays business. Panasonic HD Visual Communication (HDVC*) System supports them with efficient communication in distance.

* HD Visual Communications System is abbreviated as HDVC hereafter.

HDVC Main Unit

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

KX-VC1600SX
Max. 10 sites
Full HD 1080p image quality
Expandable up to 10 sites connection with optional licence

KX-VC1300SX
Built-in 4 sites
Full HD 1080p image quality

KX-VC1000SX NEW
Point to Point
(To be released 3rd quarter CY2016)
Full HD 1080p image quality

HDVC Mobile (HDVC Application)

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

Up to 10 sites Multi-Point Connection

New HDVC have a Line-up covering point to point connection and up to 10 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 equipment is required to connect external companies. (Dual Network is available on KX-VC1600SX.)

Multi-Device stress-free conference

HDVC supports Multi-Device of Windows/iOS/Android. The generation of packet losses for the HDVC System and HDVC Mobile is 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-VC1600SX supports Triple Monitors that enables even third monitor to show own site image. The KX-VC1300SX/ KX-VC1000SX* supports Dual Monitors only.

* Option must be purchased.

Interoperability with other manufacturers videoconference units

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

Optional Accessories*

*Sold separately

HD Communication Cameras

GP-VD151 GP-VD131

Boundary Microphones

KX-VCA001X KX-VCA002X

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

Connecting with operating rooms

Real-time videoconferences can be held while viewing images of an ongoing operation on a monitor outside the operating room. This makes it possible to provide advanced treatment methods with some of the participating doctor in location other than the operating room.

3MOS 4K Ultra HD Camera
GP-UH532

Specifications

Main Unit			KX-VC1600SX	KX-VC1300SX	KX-VC1000SX NEW
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 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*4 Supported output resolutions: 1920 x 1080i, 1920 x 1080p	
	Audio Input		Digital Boundary Omnidirectional Microphone x 1 (KX-VCA001X) Max. 4, Analogue Boundary Omnidirectional Microphone x 1 (KX-VCA002X) Max. 1, HDMI, Stereo mini-plug*5 x 1 (ø3.5 mm), RCA (Stereo) x 1		Analogue Boundary Omnidirectional Microphone x 1 (KX-VCA002X) Max. 1, HDMI, Stereo mini-plug*5 x 1 (ø3.5 mm), RCA (Stereo) x 1
	Audio Output		HDMI*6, Stereo mini-plug*5 x 1 (ø3.5 mm), RCA x 1 (Stereo)		
	Network		RJ45 x 2 1000BASE-T/100BASE-TX/10BASE-T Full Duplex	RJ45 x 1 1000BASE-T/100BASE-TX/10BASE-T 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			10 (Max.) /6 (Default)	4 (Default)	Point to point
Content Sharing			PC (RGB/HDMI), Sub video camera (HDMI sub)		
USB Memory			Updating Software Import: Setting Address Book / Profile / 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, UDP/IPv4, UDP/IPv6, 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 230 x 61		
Weight			Approx. 2.0 kg		
Power Input			AC 100-240 V,-1.4A, 50/60 Hz		
Power Consumption			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, 2.5 A		
Operating Temperature			0 °C to 40 °C		
Operating Humidity			10 % to 90 % (non-condensing)		

* When connected to an other brand device or other brand MCU (Multi-point Control Unit), connection conditions vary depending on the specifications of the other brand device or other brand MCU.

*1 KX-VC1000SX is necessary an optional license to use.*2 Varies due to the settings of the HDVC System and the network condition. *3 HDCP (High-bandwidth Digital Content Protection system) is not supported. *4 KX-VC1000SX is necessary an optional license to use HDMI2. *5 Dedicated 3-pole stereo mini-plug. *6 Audio cannot be output simultaneously to HDMI1/HDMI2.

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HD Visual Communications System:
http://panasonic.net/psn/products/hdvc/

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