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HD Visual Communications System
KX-VC600
KX-VC300
KX-VC500

Specification

Main Unit		KX-VC600	KX-VC300	KX-VC500
Communication protocol		SIP		
Communication rate (Min to max)	IP communication with 2 locations connected	512 kbps to 9 Mbps		
	IP communication with 3 locations connected*1	1 Mbps to 7 Mbps		
	IP communication with 4 locations connected*1	1.5 Mbps to 7 Mbps		
Bandwidth (For different levels of resolution)		3 Mbps minimum*2 for 1080i*3		
		1.5 Mbps minimum*2 for 720p		
		512 kbps minimum*2 for 4SIF		
Video codec		ITU-T H.264 high profile level 4.0 (B picture is not supported),		ITU-T H.264 high profile level 4.0
		ITU-T H.264 baseline profile level 3.1 (For connections to MCUs and non-Panasonic video conference systems)		(B picture is not supported)
Video input	HDMI 1 (main video camera)	Input resolution: 1080i (image only)		
	HDMI 2 (sub video camera)	Input resolution: 1080i (image only)		
		Available devices: Video camera (Blu-ray Disc/DVD players cannot be connected)		
	VGA 15P mini D-Sub (RGB IN)	Input resolution: XGA, SVGA, VGA		
Video output	HDMI (display)	Resolution: 1080i		
	Component (video output)	Resolution: 1080i		
Audio codec		MPEG-4 AAC-LD (LATM format), G.722 (For connections to MCUs and non-Panasonic video conference systems)*4		
Audio input	Digital boundary microphone	KX-VCA001 (Up to 4 microphones)	—	KX-VCA001 (Up to 4 microphones)
	Analogue boundary microphone	KX-VCA002 (1 microphone only)		
	Stereo mini-plug (audio input)	Diameter 3.5 mm Available devices: headset		—
		Input is the headset microphone level. HDMI/RCA input is inactive when the headphone connector is used.		
	RCA pin jack (audio input)	Maximum line level input: 1.2 Vrms Available devices: stand microphone (via microphone amplifier), audio mixer etc.		
		Echo canceller enabled		
		Both enabled when using a Boundary Microphone and RCA microphone together.		
Audio output	(HDMI)	For connecting to a display (with speaker)		
	Stereo mini-plug (audio output)	Diameter 3.5 mm Available devices: headset		—
		Output is the headphone. Either the RCA terminal or the headphone connector is active, but not both.		
	RCA pin jack (audio output)	For connecting to a display (with speaker), amplifier or active speaker		
Maximum conference points		4*5	2*1	4*5
Alternative video sources		PC (VGA terminal), sub video camera (sub HDMI video only)		
Encryption method		AES-CM/unique		
Network	RJ45(LAN)	Full duplex 100BASE-TX only		
Control (serial)	RS-232C	For connecting to a computer for maintenance (use a straight cable) D-Sub 9 pin (male)		
Dimensions (W x H x D)		Approx. 320 mm x 60 mm x 230 mm		Approx. 430 mm x 80 mm x 280 mm
Weight		Approx. 2 kg		Approx. 4 kg
Voltage and frequency		AC 100-240 V, 50/60 Hz		
Power consumption		Stand-by: approx. 29 W Maximum: approx. 39 W	Stand-by: approx. 17 W Maximum: approx. 23 W	Stand-by: approx. 30 W Maximum: approx. 32 W
Operating temperature		0 °C to 40 °C		
Operating humidity		10 % to 90 % (non-condensing)		

Boundary Microphone (sold separately)	KX-VCA001	KX-VCA002
Standard pickup range	Approx. 2 m(radius), 360°	Approx. 1.5 m(radius), 300°
Maximum pickup range	Approx. 3 m(radius), 360°	Approx. 2 m(radius), 300°
Pickup method	Stereo (automatic left/right channel setting, with 1 unit connected)	Stereo (fixed stereo sound pick-up)
	Monaural (with 2 to 4 units connected)*6	
Microphone unit	Unidirectional ECM microphone parts x 4	Unidirectional ECM microphone parts x 2
Number of connections	Maximum 4 microphones	Maximum 1 microphone
Maximum input sound pressure	110 dBspl	
Number of terminals for microphone connection	2	1
Mute button	Spring-return Push Switch	
LED	Red: The microphone is muted. Green: The microphone is transmitting.	
	Orange: The microphone is starting up (flashes for approx. 1 second). Off: The microphone is not transmitting.	
Dimensions	Approx. 120 mm(diameter) x 25 mm	Approx. 75 mm(diameter) x 32 mm
Cable length	Approx. 8.5 m	Approx. 7 m
Power input	Supplied from main unit via proprietary cable	
Weight	Approx. 280 g	Approx. 80 g
Operating temperature	0 °C to 40 °C	
Operating humidity	10 % to 90 % (non-condensing)	

*1 The KX-VC300 also allows connection of 3 or 4 locations when it is on the receiving end of a call.
   The optional Activation Key Card lets you expand the KX-VC300's maximum conference points to up to 4 locations.
*2 This value is for reference purposes only. The actual value may vary depending on the image and communication conditions.
*3 The optional Activation Key Card lets you upgrade the maximum resolution of the KX-VC300 system to 1080i.
*4 The optional Activation Card lets you connect the KX-VC500 to MCUs or non-Panasonic video conference systems.
*5 Some restrictions apply when 3 or 4 locations are connected. For details, please consult with your local dealer.
   When connecting to non-Panasonic video conference systems, connection is limited to 2 locations.
*6 Stereo sound can also be picked up from 2 to 4 units by changing the user setting.

Important
– Safety Precaution: carefully read the operating instructions and installation manual before using this product.

• All TV pictures are simulated.
• Weights and dimensions are approximate.
• Specifications are subject to change without notice.
• These products may be subject to export control regulations.

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HD Visual Communications System

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KX-VC600

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