



KX-VC600/VC300 **HD Visual Communications System**



Take Your Meetings to the Next Level with an HD Visual Communications System from Panasonic

Real-time collaboration in stunning HD

A Panasonic HD Visual Communications System lets you simulate and reap the benefits of face-to-face interaction without the exorbitant costs and carbon footprint associated with business travel.

With HDVC you can closely inspect a CAD drawing of a newly-milled machine part by your factory, observe delicate vascular surgery from across the country or train your global sales force—just as if you were physically present. You'll experience crystal-clear HD video combined with full-duplex sound that lets you capture the nuances of facial expression, tone of voice and body language—crucial towards developing a level of trust and rapport otherwise afforded only by a meeting in person.

Computer/Sub Camera Connection

By connecting a PC or sub camera, you can show the other party your computer screen or images from an additional camera—perfect for adding slideshows, movies or other images to the meeting. While the other party is watching your visual aid, you can be watching them to gauge reactions.

Easy Connection and Operation

With Panasonic HDVC, you can one-touch connect with the desired party using the remote control or select using the address book. The connection status of the network and peripheral devices is conveniently displayed on the screen. You can switch the outgoing video back and forth among a sub camera or a presentation on a PC with a single remote click.

1080i Full HD Video

As a premier developer of HD video technologies, Panasonic delivers a dazzling level of realism that bridges oceans by seamlessly bringing your clients and associates together.

360° HD Audio

360° Full-Duplex Audio combined with our Echo Canceller feature lets parties on both sides of the conference talk at once—just as you would in a face-to-face meeting. Voices are clear no matter where in the room the person speaking might be situated.

Stable Connection

Our unique AV QoS technology helps prevent image and sound disruptions on both intranet and internet connections.

Interoperability

Designed for maximum flexibility, Panasonic HDVC can be integrated into an existing video conferencing system.



Industry Applications



Human Resources

Reign in recruitment costs while still reaping the benefits of crucial face-to-face interviews. HDVC delivers all the benefits of a meeting in person—facial expressions, body language, demeanor and other nuances are conveyed—but without the cost and time associated with travel. This not only allows the applicant pool to be widened, but also shortens the hiring timeline.

Training

Corporate training sessions no longer have to entail flying in personnel from far-flung regional offices. Sales managers and other professionals can conduct detailed training sessions with satellite offices. New employee orientations can be conducted remotely without sacrificing the robust, personal interaction necessary for an effective meeting. Onerous travel expenses are rerouted to the bottom line while wasted travel time is eliminated.

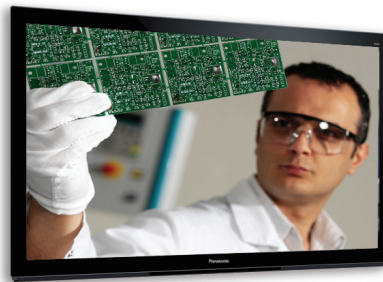


Education

Experts and prominent lecturers who would otherwise be unavailable due to time and travel constraints can now be brought into the “virtual classroom.” Students at satellite college campuses can attend lectures by top professors stationed at the main campus. Notes on a blackboard and other visual aids are seen clearly while crisp HD audio ensures no question goes unheard.

Manufacturing

Engineers who would otherwise travel to factories to inspect machinery or collaborate on new product designs can now get a detailed look at blueprints or finely-machined parts, demonstrate assembly methods or conduct quality control seminars without leaving the home office.



Medical

Students can participate in interactive training sessions with experts a continent away. 360° Full-Duplex Audio means participants on both sides of the conference are clearly heard. Physicians can consult with one another in real time across continents and provide diagnostic assistance by getting a detailed look at x-rays, charts or patients themselves, saving time and money.

Included Accessories

Remote Control



Accessories Sold Separately

Microphone for large rooms/wider coverage KX-VCA001



Microphone for standard-sized room KX-VCA002



Camera Security Adaptor KX-VCZ001



Activation Key Card for KX-VC300

KX-VCS301 for 4-site connectivity



KX-VCS401 for Full HD compatibility



Video Camera Full HD Fixed-Zoom Camera



HD Integrated Camera AW-HE50H



Display Full-HD Plasma/ LCD Display



HDMI cables are required for connection to the camera, TV, etc.

Specifications

Main Unit (KX-VC600 / KX-VC300)		KX-VC600	KX-VC300
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 baseline profile level 3.1 (For connections to MCUs and non-Panasonic video conference systems)	
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)	
Audio input	Boundary microphone	Optional Digital Boundary Microphone KX-VCA001 (Up to 4 microphones) Optional Analog Boundary Microphone KX-VCA002 (1 microphone only)	Optional Analog Boundary Microphone KX-VCA002 (1 microphone only)
	Stereo mini-plug (audio input)	Diameter 0.1 in. (3.5 mm) Available devices: headset Input is the headset microphone level. Either the Boundary Microphone terminal or the microphone connector is active, but not both.	
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 0.1 in. (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 **	2 *1
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. 12 in. x 2.4 in. x 9 in. / 320 mm x 60 mm x 230 mm	
Weight		Approx. 4.4 lb / 2 kg	
Voltage and frequency		AC 100-240 V, 50/60 Hz	
Power consumption		Maximum: approx. 39 W	Maximum: approx. 23 W
Operating temperature		32 °F to 104 °F / 0 °C to 40 °C	
Operating humidity		10 % to 90 % (non-condensing)	
Boundary Microphone (sold separately)		KX-VCA001	KX-VCA002
Standard pickup range		Approx. 6.5 ft.(radius), 360° / 2 m(radius), 360°	Approx. 4.9 ft.(radius), 300° / 1.5 m(radius), 300°
Maximum pickup range		Approx. 9.8 ft.(radius), 360° / 3 m(radius), 360°	Approx. 6.5 ft.(radius), 300° / 2 m(radius), 300°
Pickup method		Stereo (automatic left/right channel setting, with 1 unit connected) Monaural (with 2 to 4 units connected)*5	Stereo (fixed stereo sound pick-up)
Microphone unit		Unidirectional ECM microphone parts x 4	
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. 4.7 in.(diameter) x 0.9 in. / 120 mm(diameter) x 25 mm	Approx. 2.9 in.(diameter) x 1.2 in. / 75 mm(diameter) x 32 mm
Cable length		Approx. 28 ft. / 8.5 m	Approx. 23 ft. / 7 m
Power input		Supplied from main unit via proprietary cable	
Weight		Approx. 0.6 lb / 280 g	Approx. 0.2 lb / 80 g
Operating temperature		32 °F to 104 °F / 0 °C to 40 °C	
Operating humidity		10 % to 90 % (non-condensing)	

*1 The optional Activation Key Card lets you expand the KX-VC300 system for connection of 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.

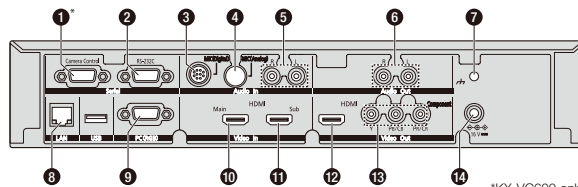
*4 Some restrictions apply when 3 or 4 locations are connected. For details, please consult with your local dealer.

*5 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.

*7 This indicates the microphone performance, and not the actual delay time when it is connected.

Rear Panel View



- 1 Camera Control terminal* (Nonusable)
- 2 RS-232C terminal
- 3 MIC Jack (Digital)*
- 4 MIC Jack (Analog)
- 5 Audio In L/R jack
- 6 Audio Out L/R jack
- 7 GND terminal
- 8 LAN jack
- 9 RGB terminal
- 10 Main Camera terminal
- 11 Sub Camera terminal
- 12 HDMI terminal
- 13 Component terminal
- 14 DC IN

*KX-VC600 only.

Panasonic System Networks Company of America

Home & Business Communications

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Design and specifications are subject
to change without notice.

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