Panasonic
ideas for life

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 (HDVC) 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

Connect a PC or sub camera, and show the other party your computer screen or second camera images—perfect for adding slideshows, movies or other images to the meeting.

Interoperability

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

Easy Connection and Operation

With a Panasonic HDVC, you can one-touch connect with the desired party using the remote control or address book. You can also make two-point or multi-point calls via a company's SIP server. These calls can either be point to point or multipoint when you utilize the internal bridging functionality. Switch the outgoing video feed to a sub camera feed or a presentation on a PC with a single remote click.

Split Screen Capability

In a call, all participants can see all other conference participants as well as the data being shared at the same time.*

*Note: The split screen feature (composite display) is available when all sites begin sharing a PC screen using a KX-VC600 running software version 2.3.

Pan, Tilt, Zoom Camera Control

Using the HDVC remote control, you can pan, tilt or zoom both local and remote cameras.

360º HD Audio

360º Full-Duplex Audio (KX-VCA001) combined with our Echo Canceller feature ensures clear voices and lets parties on both sides of the conference talk at once—just as you would in a face-to-face meeting.

Stable Connection/Low Bandwidth Support

Our unique A/V QoS technology helps prevent image and sound disruptions on both intranet and internet connections with only 1.5Mbps required for Full HD (1080p) audio and video transmission.

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 into the same room.

KX-VC300 default resolution is 720p.1080i requires optional activation key card.

Industry Applications

Human Resources

Control in recruitment costs while still reaping the benefits of crucial face-to-face interviews. The Panasonic 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.

System Packs

KX-VCPA600NA*
Main Unit + Remote Control
+ HD Communication Camera

KX-VCPA300NA*
Main Unit + Remote Control
+ HD Communication Camera

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
connectability

KX-VCS401 for Full HD
compatibility

Video Camera
Full HD Fixed-Zoom
Camera*

HD Integrated
PTZ Camera*

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
Video	Video Codec	ITU-T H.264 high profile	
		ITU-T H.264 baseline profile (For connection to MCUs and non-Panasonic video conference systems)	
	Compatible Resolutions	1920 x 1080p *1 / 1920 x 1080i *1 / 1280 x 720p / 1280 x 540p / 960 x 540p / 704 x 480p / 352 x 240p	
	Camera Input Resolution	1920 x 1080i	
	PC Input Resolutions	XGA, SVGA, VGA	
Audio	Audio Codec	MPEG-4 AAC LD	
	Frequency Range	Approx. 200 Hz - Approx. 20 kHz	Approx. 200 Hz - Approx. 14 kHz
	No. of Channels	2	
	Bitrate	32 kbit/s (Monaural only), 64 kbit/s, 96 kbit/s (per channel)	
	Sound Processing Function	Stereo Echo Canceller	
	Microphone	Digital Boundary Microphone KX-VCA001(Option)	Analog Boundary Microphone KX-VCA002(Option)
		Analog Boundary Microphone KX-VCA002(Option)	
Transmission	Communication Protcol	SIP	
	Other	AV QoS Call Control, Encrypted Transmission (AES)	
Maximum conference points		4 *2	2 *3
External Interface	Video Inputs	HDMI (Camera) x 2, RGB (PC) x 1 (Switchable 3 inputs)	
	Video Output	HDMI x 1, RCA (Component) x 1	
	Audio Input	Analog Boundary Microphone port x 1, Digital Boundary Microphone port x 1, RCA (Stereo) x 1, Stereo mini-plug (Headset) x 1	Analog Boundary Microphone port x 1, RCA (Stereo) x 1, Stereo mini-plug (Headset) x 1
	Audio Output	RCA (Stereo) x 1 (Audio output to display is via HDMI), Stereo mini-plug (Headset) x 1	
	Network	RJ45 port x 1	
Dimensions (width x depth x height)		Approx. 12 in. x approx. 9 in. x approx. 2.4 in. (approx. 320 mm x approx. 230 mm x approx. 60 mm)	
Weight		Approx. 4.4 lb (approx. 2.0 kg)	
Power Input		AC 100-240 V, 1.2-0.6 A, 50/60 Hz	
DC Power Input		DC 16 V, 2.5 A	
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 / Monaural *4	Stereo / Monaural *5
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
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 upgrade the maximum resolution of the KX-VC300 system to 1080i.

*2 Some restrictions apply when 3 or 4 locations are connected. For details, please consult with your local dealer.
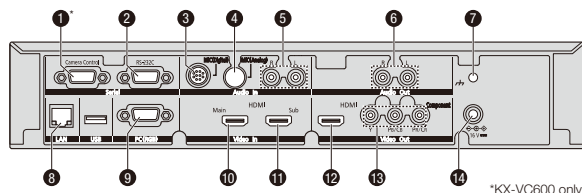   When connecting to non-Panasonic video conference systems, connection is limited to 2 locations without an external bridging device.

*3 The KX-VC300 can participate in a multi-site call but must have the Activation Key enabled to host a multi-site call.

*4 Either output can be set through system settings. However, when using together with an Analog Boundary Microphone,
   or when connecting to an MCU or non-Panasonic video conference system, stereo output may not be available.

*5 When connecting to an MCU or non-Panasonic video conference system, the output is monaural.

Rear Panel View

1. Camera Control terminal*
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.

Home & Business Communications

Design and specifications are subject
to change without notice.

HDVC11129BROr3