

**1080i
Full HD
Video**
**Full Duplex
Microphone**
**Stable
Connection**
**Easy
Operation**

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

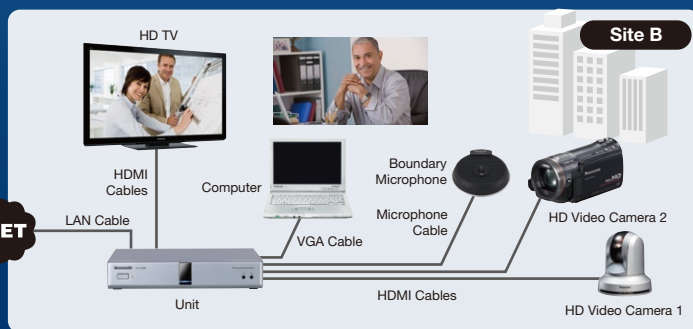
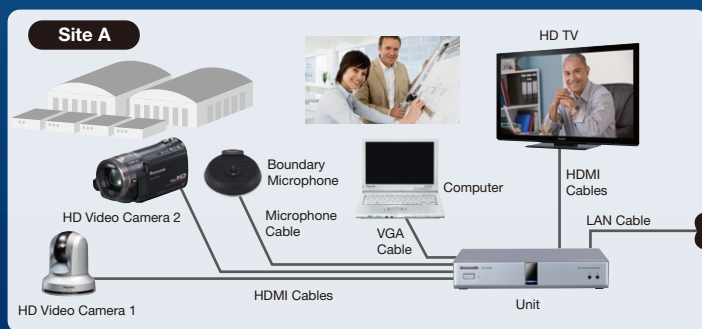
Collaborate in real time, in stunning HD!

With Full HD video and Full Duplex audio over a standard Internet connection, this compact, easy-to-use, interoperable system is changing the face of business meetings.



Jacks for mic and headphone cables are right on the front panel, for easy use in applications such as financial planner booths.

< System Configuration Example >



Required products, options, etc., vary depending on the system configuration.

HD Visual Communications System

KX-VC600

4-site Connection Full HD 1080i Other-Brand Device Interoperability MCU Interoperability Computer Connection Sub-Camera Connection Digital Microphone Analog Microphone



KX-VC300

2-site Connection HD 720p Other-Brand Device Interoperability MCU Interoperability Computer Connection Sub-Camera Connection Analog Microphone



KX-VC600/KX-VC300 Features

High Image Quality

Panasonic's original high image quality technology achieves a dynamic level of realism that makes you feel like you're all in the same room.

High Sound Quality

Conversations are comfortable thanks to our Echo Canceller that prevents sound interruptions when people speak simultaneously.

Stable Connection

Image disruptions and sound interruptions are prevented even on the Internet thanks to original A/V-QoS technology.

Computer Connection/Sub-Camera Connection

Effective communication is possible while showing the other party a PC screen or sub-camera image.

Other-Brand Device/MCU Interoperability

Interoperability with other-brand devices and MCUs is a standard feature. This allows smooth expansion into existing videoconference systems, and multi-point communications using an MCU.

Please consult with your local dealer for details on connecting other-brand devices and MCUs.

Included and Optional Accessories	Remote Control (Included)
Digital Boundary Microphone KX-VCA001*	Analog Boundary Microphone 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*

*Sold separately

Video Camera	
HD Camcorder	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)	
	VGA 15P mini D-Sub (RGB IN)	Available devices: Video camera (Blu-ray Disc/DVD players cannot be connected)	
Video output	HDMI (display)	Input resolution: XGA, SVGA, VGA	
	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	Digital boundary microphone	KX-VCA001 (Up to 4 microphones)	—
	Analog boundary microphone	KX-VCA002 (1 microphone only)	
	Stereo mini-plug (audio input)	Diameter 0.1 in. (3.5 mm) Available devices: headset	
	RCA pin jack (audio input)	Input is the headset microphone level. HDMI/RCA output is inactive when the headphone connector is used.	
		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	
	RCA pin jack (audio output)	Output is the headphone. Either the RCA terminal or the headphone connector is active, but not both. For connecting to a display (with speaker), amplifier or active speaker	
Maximum conference points		4 **	2 **
Alternative video sources		PC (VGA terminal), sub video camera (sub HDMI video only)	
Encryption method		AES-CM/unique	
Network		Full duplex 100BASE-TX only	
Control (serial)		RS-232C	
Dimensions (W x H x D)		For connecting to a computer for maintenance (use a straight cable) D-Sub 9 pin (male) 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	Unidirectional ECM microphone parts x 2
Number of connections		Maximum 4 microphones	Maximum 1 microphone
Maximum input sound pressure		110 dBspl	
Sampling frequency		48 kHz	
Delay time		1 ms or less*6	
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 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 Some restrictions apply when 3 or 4 locations are connected. For details, please consult with your local dealer.

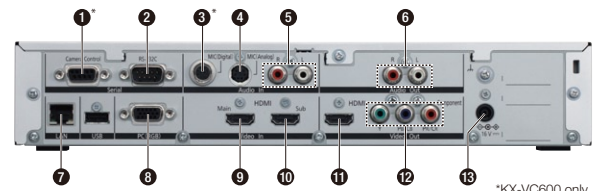
When connecting to non-Panasonic video conference systems, connection is limited to 2 locations.

*5 Stereo sound can also be picked up from 2 to 4 units by changing the user setting.

*6 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 LAN jack
- 8 RGB terminal
- 9 Main Camera terminal
- 10 Sub Camera terminal
- 11 HDMI terminal
- 12 Component terminal
- 13 DC IN



Panasonic System Networks Company of America

Home and Business Communications

Three Panasonic Way,
Secaucus, NJ 07094
(201) 348 - 7000
www.panasonic.com/hdvc

Design and specifications are subject
to change without notice.