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.

360º HD Audio
360º 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 A/V 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

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.

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.

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. 360º 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.
HDMI cables are required for connection to the Full-HD Plasma/HD Integrated Camera.

### Included Accessories
- Remote Control
- 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

### Accessories Sold Separately
- Microphone for long-range/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 Camera AW-HE50H

### Display
- Full-HD Plasma/LCD Display

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### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>KX-VC600</th>
<th>KX-VC300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication protocol</td>
<td>SIP</td>
<td>SIP</td>
</tr>
<tr>
<td>Communication rate (Mbps)</td>
<td>512 Kbps to 9 Mbps</td>
<td>1 Mbps to 7 Mbps</td>
</tr>
<tr>
<td>Bandwidth (For different levels of resolution)</td>
<td>3 Mbps minimum** for 1080i</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.5 Mbps minimum** for 720p</td>
<td></td>
</tr>
<tr>
<td>Video codec</td>
<td>H.264 high profile level 4.0 (JPEG file is not supported)</td>
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</tr>
</tbody>
</table>

#### Video Input

<table>
<thead>
<tr>
<th>Input Type</th>
<th>Video Camera (1)</th>
<th>Video Camera (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>1080i (image only)</td>
<td>1080i (image only)</td>
</tr>
</tbody>
</table>

#### Video Output

<table>
<thead>
<tr>
<th>Output Type</th>
<th>HDMI (display)</th>
<th>Component (video output)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>1080i</td>
<td>1080i</td>
</tr>
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</table>

#### Audio Input

<table>
<thead>
<tr>
<th>Microphone Type</th>
<th>Boundary microphone</th>
<th>Optional Digital Boundary Microphone (KX-VC600 / KX-VC300)</th>
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<tr>
<td>Input Type</td>
<td>RCA pin jack (audio input)</td>
<td>Optional Analog Boundary Microphone (KX-VC300)</td>
</tr>
<tr>
<td>Diameter</td>
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#### Network

- Ethernet: RJ45 (LAN) for connecting multiple cameras and Panasonic video conference systems.
- Connection to a computer for maintenance (use a straight cable): D-Sub 9 pin (male).
- DC IN: 24 V DC (max).

#### Power Consumption

- Approx. 4.4 W (standby) for KX-VC300 / Approx. 4.7 W (standby) for KX-VC600.
- Approx. 23 W maximum power consumption.

#### Dimensions

| Main Unit | 8.5 in (W) x 16.1 in (H) x 5.9 in (D) |
| Sub Camera | 8.5 in (W) x 16.1 in (H) x 5.9 in (D) |

#### Operating Temperature

- 32 °F to 104 °F / 0 °C to 40 °C

#### Operating Humidity

- 10 % to 90 % (non-condensing)

#### LED

- Red: The microphone is muted.
- Green: The microphone is transmitting.
- Black: The microphone is standing by (flashes for approx. 1 second). Off: The microphone is not transmitting.

#### Power Input

- Approx. 23 ft. / 7 m maximum cable length.
- Approx. 28 ft. / 8.5 m supplied from main unit via proprietary cable.
- Approx. 0.2 lb / 80 g maximum weight.

#### Operating Temperature

- 32 °F to 104 °F / 0 °C to 40 °C

#### Operating Humidity

- 10 % to 90 % (non-condensing)

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*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 be also 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.

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**Rear Panel View**

1. Camera Control terminal* (Nonusable)
2. LAN jack
3. RS-232C terminal
4. MIC jack (Digital)*
5. MIC jack (Analog)
6. Audio in/LR jack
7. Audio Out/LR jack
8. LAN terminal
9. HDMI terminal
10. Component terminal
11. Cinch terminal

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Panasonic System Networks Company of America

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Design and specifications are subject to change without notice.

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