

Polycom[®] V700

Frequently Asked Questions

What is included with each Polycom V700 kit?

The base model, Polycom V700, includes the following components:

- 17" LCD display with integrated video conference system; includes built-in microphones and speakers supporting Polycom StereoSurround™
- Polycom VSX remote control
- Installation document and documentation CD
- Power supply with country-specific power cord
- Ethernet cable
- VGA cable for PC monitor functionality

What are the main differences between the VSX 3000 and the V700?

Data rate: VSX 3000 up to 2Mbps; V700 up to 768kbps

ISDN support: VSX 3000 has a QBRI option; V700 has no ISDN option

MCU capability: VSX 3000 has a 4-way internal MCU option; V700 has no MCU option

SCCP support: VSX 3000 can be run on a Cisco SCCP network; V700 does not have SCCP support

2nd video source: VSX 3000 has a port to add a 2nd video source; V700 does not have 2nd video source support

FIPS-140 compliance: VSX 3000 is FIPS-140 compliant; V700 is not FIPS-140 compliant

What is needed to use the V700 as a PC display?

An added advantage of the Polycom V700 is its use as a PC SXGA display – saving valuable desk space. Simply connect the PC to the VGA input on the back of the Polycom V700.

The user simply toggles the input selection button located on the front of the Polycom V700 to toggle to the PC display mode. If a video call comes in while the Polycom V700 is in PC display mode, a call indicator will ring and the user can toggle the input selection button back to Video Conference mode.

What is the resolution of the Polycom V700 screen when used as a PC display?

The maximum resolution is SXGA (1280x1024).

Does the Polycom V700 have built-in speakers?

The built-in speakers on the Polycom V700 are designed for system use in executive offices and small conference rooms. For special applications, an audio output is also provided on the rear panel.

Does the V700 support Polycom StereoSurround?

The V700 is fully equipped to support the Polycom StereoSurround feature. It has dual microphones and dual speakers, all necessary to support this new audio capability. External speakers may also be added for even more robust sound. Remember to enable this feature within the VSX setup menus.

Does the V700 support Polycom Pro-Motion™ H.263?

The V700 can transmit Pro-Motion H.263 on its second video input (with VCR, document camera, etc.) and can receive Pro-Motion H.263 from a far-end capable of transmitting Pro-Motion H.263.

Pro-Motion H.263 (aka 60 fields) is the transmission of interlaced video at 30 frames per second (as in NTSC and PAL standards). The main camera on the V700 produces a progressive scan image at 30 frames per second. Thus, the V700 will transmit Pro-Motion H.263 when the second video input is selected versus the main camera.

Can an external microphone be used?

The Polycom V700 has two built-in microphones, which provide ample coverage area for executive office and small conference rooms use. People up to 10ft (3m) away from the system can be heard perfectly. There is no need for external microphones.

Can external devices and peripherals be added to this system?

Additional peripherals can be added to the Polycom V700 to customize the usage of the system. These include the following:

- Headphone for privacy
- VCR or document camera through composite video (and audio) inputs
- Speakers for amplified sound volume

How is content sent from a Polycom V700?

A Polycom V700 can use the People+Content™ IP software option to send PC based data while in a video conference call. This options works both in a point to point or mulitpoint call. The V700 system will send up to XGA resolution data (the remote end must have an XGA display to show XGA resolution content). The V700 can still receive content from other video conference systems without People+Content IP installed. Content can also be sent from a document camera or VCR attached to the V700. No matter what kind of content is being sent, remote participants will always see both the content and the speaker simultaneously.

What is People+Content IP?

This software option is available for all V Series and VSX products and enables a

presenter to introduce laptop content to a video conference using only an IP network connection. Content resolutions supported include CIF/SIF, 4CIF/4SIF, VGA, SVGA, and XGA. Each presenter laptop needs the People+Content IP PC utility to send the Content. This PC utility is available for unlimited download from the Polycom website. PC requirements include Microsoft® Windows® 2000 or Windows XP OS. People+Content IP supports Polycom People+Content and H.239 standard.

How is AES encryption provided?

AES encryption is shipped as a standard feature with each Polycom V700 and provides the following advantages:

AES completely encrypts both the audio and video and the content and adheres to the ITU standard H.235 V3 for encrypted calls over IP networks and to ITU standard H.233 for ISDN calls. The following features are included:

- AES software encryption on ISDN up to 512 kbps and 2MB over IP
- Standards-based H.235V3 (IP), H.233/H.234 (ISDN)
- Automatic key generation and exchange
- Supported in Point-to-Point IP and ISDN calls
- National Institute of Standards & Technology (NIST) approved

Do I need to add speakers to the V700 to support Polycom StereoSurround?

No, the integrated speakers in the V700 are StereoSurround ready.

What algorithms are used on the V700 and when are they used?

The V700 (and all VSX products) can use the following video algorithms: H.263+, H.263++, Pro-Motion H.263 (receive-only). If both systems support all these algorithms, the VSX will chose the optimal algorithm for whatever data rate is being used. H.264 is the newest, and most optimal algorithm for data rates from 128Kbps - 768Kbps. H.261 will only be used if the system on the far side

does not support H.263 or H.264.

What is Baseline Mode?

Baseline mode is a setting that any can be made on any VSX that sets the system to the lowest common denominator, thus virtually ensuring interoperability with legacy systems or other vendors' video conferencing systems. Baseline mode is H.261 for video and G.711 for audio. There is no data sharing in baseline mode. The setting is turned on or off via the Web interface, FTP and the on-screen user interface and is recommended only for VSX systems that are frequently in calls with legacy systems.

What are the warranty and software upgrade terms?

The Polycom V700 has a one year hardware warranty and the standard Polycom 90 day software warranty. This includes:

- 90 days of software updates and upgrades
- One year of return-to-factory hardware support

Enhanced service packages are also available at time of purchase. Customers are encouraged to renew or upgrade their service package at the end of the warranty period, if not before. To ensure timely notice of the availability of new software updates and upgrades, customers should register all products under the "Register Your Product" link at www.polycom.com. More information on Polycom Global Services Programs is available in the V700 Sales Services Guide.