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# Polycom.ViaVideo - Video Conferencing

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## POLYCOM.VIAVIDEO - VIDEO CONFERENCING

### THE NEED

As the construction industry is more globalized and competitive than other industry, it needs faster interaction to enable real-time collaboration, application sharing between the headquarter and construction sites. Integrating multimedia processor and camera, Polycom developed by ViaVideo, provides the conference room quality video/audio with no add-in boards to install or bulky hardware to place on desk.

### THE TECHNOLOGY

USB based video system, the ViaVideo video communications appliance combines the power of a high-quality camera and multimedia processor for improved video communications. And with full-duplex audio and echo cancellation, it delivers full-screen full-motion, 30fps business-quality video without sapping processing power from PC. Optional external headset/Mic, headphones or external speakers can support the Audio In/Out port of ViaVideo and asymmetric video allows each endpoint to optimize its transmission to accommodate available bandwidth. ViaVideo supports up to 30 fps from 320kbps up to 384kbps. Support up to 15fps is available from 64kbps to 320kbps. It supports standards-based (ITU standard H.281) far end camera control (FECC) of a PTZ camera. If a ViaVideo is in a call with a ViewStation at the far end the ViaVideo can control the ViewStation camera.



FIGURE 1 POLYCOM.VIAVIDEO



## **THE BENEFITS**

- Graphical user interface: Easy-to-use and intuitive interface with on-screen virtual remote control
- Integrated data sharing: Enables real-time collaboration, application sharing, chat, whiteboard and file transfer while video call is in use
- IP-based communications: Supports any IP-based network, including Ethernet, Token Ring, Cable, DSL, Frame Relay, FDDI, T-1 and ATM
- Natural interaction – full-motion video; business-quality, full-duplex audio; and data sharing
- Seamlessly integration with group systems for high-quality, end-to-end video communications
- Easy to install and use – no breaking open computer to install a card; equipped with intuitive graphical user interface
- Affordable – cost-effective video communications for desktop in organization

## **STATUS**

ViaVideo will be generally available in North America and select European, Asia Pacific and Central/Latin American countries in Q3 2000

## **BARRIERS**

It requires the following system requirements:

- USB port
- Windows 98, Second Edition or Windows 2000
- 350MHz Pentium-class processor with MMX
- 128MB RAM
- 4MB video memory
- SVGA display (800x600)
- IP-based network



## **POINTS OF CONTACT**

### **Polycom Inc.**

Tel: (408) 526-9000 or 1.800.POLYCOM (in North America), Fax: (408) 526-9100

## **REFERENCES**

1. Polycom <http://www.polycom.com/products/viavideo.html>

## **REVIEWERS**

Peer reviewed as an emerging construction technology

## **DISCLAIMER**

Purdue University does not endorse this technology or represents that the information presented can be relied upon without further investigation.

## **PUBLISHER**

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