Polycom® **ViewStation**®

High-quality video communications system that's easy to use and affordable

BENEFITS

- **High-quality enhanced video** – at 15 frames per second at 128 Kbps and 30 fps at 384 to 768 Kbps

- **Exceptional sound quality** – hear everything that is said with Polycom's crystal-clear, full-duplex digital audio with noise suppression and echo cancellation

- **Hold more natural videoconference meetings** – unique voice-tracking camera and track-to-preset function automatically focuses on the speaker

- **Web-based integrated presentation system** – makes it easy to share graphics and slides as part of your videoconference

- **Easy-to-use system** – simple installation and set-up with intuitive graphical user interface

- **Embedded Web server and Ethernet hub capabilitie** – enables remote system management, diagnostics and simple software upgrades via the Internet/Intranet

- **Display live graphics at 4CIF resolution** – in dual stream mode with the Visual Concert™ PC

A new standard for group video communication systems. Polycom offers a ViewStation model suited to fit any size business. Now, users can configure a ViewStation system that is specifically designed for their application. For those who communicate exclusively over IP and want the highest speed performance over H.323, the ViewStation H.323 is a perfect fit. For situations where both H.320 and H.323 are required, a ViewStation 512 model can be configured by simply adding an interface module to a standard ViewStation H.323. Likewise, users can configure a V.35 or multipoint module by adding optional hardware and software modules. Each configuration delivers high-end group system quality and performance in an easy-to-use, convenient footprint—for a fraction of the price of other systems.

Share live graphics from any PC during a video call! Just plug in the Visual Concert PC card and begin presenting data, graphics, web content or detailed drawings at the click of the mouse. Images will be displayed at 4CIF resolution with clarity above any scan converter. Information from the laptop will be displayed in dual stream mode. This means that the participants will see live video on one monitor and live graphics on the second monitor. All of this adds up to a more effective use of videoconferencing!

The ViewStation's standard Web connectivity software also eases IT workload by enabling remote management, diagnostics and software upgrades to be made anywhere, anytime. With the addition of Polycom's Global Management System Software, IT managers can easily maintain and monitor large-scale ViewStation deployments with minimal resources.

IPriority™ QoS architecture provides enhanced network and traffic management such as onscreen diagnostics, IP precedence, packet and jitter control and passive asymmetric speed control for video calls over IP. With the introduction and support of this new QoS architecture, Polycom offers the means to communicate more effectively over broadband networks.

POLYCOM®

An easy add-on to your current video communications systems, each ViewStation is standards-based and interoperable with other systems. With its small footprint, ViewStation sits conveniently on top of any size S-Video or composite monitor. Additionally, ViewStation delivers Polycom market-leading audio technology, with an extendable microphone, for maximum sound clarity in small to large conference rooms.

Global Management System

is an optional, complete web-based management system for your video communication network. It will greatly enhance the experience of video communication users by increasing their first call success rate. It will do this with a much smaller support organization than would otherwise be possible.

The key features are:

- Manage and monitor all your video endpoints with server initiated remote alerts
- Provide a global dialing directory for all Polycom endpoint users
- Keep ViewStation settings and software updated remotely from a server
- Track all calls through CDR history and use for billing or department charge-back

ViewStation® 128 and H.323 Technical Specifications

Standards Supported
ViewStation 128
- ITU-T H.320 (px64); H.323
ViewStation H.323
- H.323
Video Standards
- H.261, Annex D
- H.263+, Annexes: L,F,T,I

Other ITU Supported Standards
ViewStation 128
- H.221 Communications; BONDING, Mode 1
- H.281 Far-end camera control
ViewStation H.323
- H.281 Far-end camera control

Video Resolution
- FCIF; QCIF

Graphics Resolution
Slide Transmission Format
- H.261 Mode: 4 x FCIF
Graphic Image Capture
- JPEG via web browser

Frame Rate
- 15 fps @ 56–320 Kbps
- 30 fps @ 336–768 Kbps
Transmission Speed

ViewStation Model	H.320	H.323
	data rates (Kbps)	data rates (Kbps)
ViewStation 128	56–128	56–768
ViewStation H.323	upgrade req.	56–768
w/Quad BRI	56–512	56–768
w/V.35 option	56–768	56–768

Video Inputs (NTSC or PAL)
Document Camera
- S-Video
VCR (playback)
- Composite

Video Outputs (NTSC or PAL)
Main Monitor
- S-Video or composite
2nd Monitor
- S-Video
VCR (Recording/Out)
- Composite w/audio

Main Monitor Auto-PIP System
- Auto-on, auto-swap, auto-off

Integrated Main Camera - Sony EVI-10
Image Sensor
- 1/3 in IT CCD
Lens
- 65°field of view
- 12 x Zoom; f=4.2 to 42 mm
- F=1.85 to 2.9 mm
- Auto focus

White Balance
- Automatic

Camera Presets
- 10 presets local camera
- 10 preset positions far-end camera

Tracking Technique
- Voice tracking or track to presets

Audio Standards
- G.728, G.722, G.711

Full-Duplex Digital Audio
- Instant adaptation echo cancellation
- Automatic gain control
- Automatic noise suppression

Audio Inputs/Outputs
Polycom Mic Pod
- RJ-9
Line Level Input
- RCA
Main Audio Out, VCR In and Out
- RCA L&R

Digital Microphone Pod
- Coverage 360°
- Microphones have 3 hypercardioid elements
- Omni-directional coverage
- Up to 2 pods can be daisy-chained on H.323 model

Integrated Speakerphone (where approved)
- Third-party audio add-in

Diagnostics and Remote Management
- Extensive diagnostics and software upgrades via PC, LAN or video call
- Supports Polycom Global Management System™
- Global Address Book and SNMP
- Supports Polycom OneDial™

Ethernet/Internet/Intranet Connectivity
- Supports TCP/IP, DNS, WINS, SNMP, DHCP, ARP, WWW, ftp, Telnet
- 10 Mbps Ethernet Hub
- T.120 Interface with WebStationTM and Microsoft® NetMeeting®

Collaboration Solutions
- PC PresentsTM for Microsoft® PowerPoint®
- Polycom SNAP for high resolution graphics capture
- Visual Concert PC
- Visual Concert DC
- Visual Concert PC Basic

Network Interfaces
ViewStation 128 and H.323 w/Quad BRI option
- ISDN protocols support NI-1, 5ESS, DMS100, ETSI
- Auto network setup
- Auto-SPID and switch detection

ViewStation V.35 (with optional V.35 interface)
- V.35/RS-449; Supports direct connect or RS-366 dialing
- Supports H.331 broadcast mode
ViewStation H.323
- Optional upgrade to H.320, MP, V.35, or DCP

Electrical
- Auto-sense power supply
- Operating voltage/power
- 90-260 VAC, 47-63 Hz/40 watts

Physical
Dimensions
- 33cm x 20cm x 15cm
Weight
- 2.7kg (6lbs)

Languages Supported
- English, French, German, Spanish, Italian, Portuguese, Norwegian, Chinese and Japanese

Warranty
- Three year parts and labor