



## Polycom ViewStation

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



- ▼ 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 capabilities—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 multi-point 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.

**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.



# 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

H.320 Calls: 15 fps @ 56-320 Kbps

H.320 Calls: 30 fps @ 336-768 Kbps

H.323 Calls: 15 fps @ 56-320 Kbps

H.323 Calls: 30 fps @ 384-768 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 WebStation™ and Microsoft® NetMeeting®

## Collaboration Solutions

PC Presents™ 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)

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2.7kg (6lbs)

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2.7kg (6lbs)

## Languages Supported

English, French, German, Spanish, Italian,

Portuguese, Norwegian, Chinese and Japanese

## Warranty

Three year parts and labor



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



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