

# ViewStation MP

Multi-Point Group Videoconferencing System  
Delivers Up to Four Sites on a Videoconference Call



Group videoconferencing is now four times better. Thanks to leading-edge technology from Polycom®, ViewStation™ MP offers the ability, on demand, to easily call up to four sites for a continuously present videoconference call.

Supporting the industry-leading H.263+ enhanced video standard, ViewStation MP provides crisp, clear video up to 30 frames per second at 384/512 kbps. Additionally, ViewStation MP delivers Polycom's Acoustic Plus™ 716 market-leading audio technology for maximum sound clarity in small to large conference rooms.

ViewStation MP provides several innovative yet easy-to-use features that are designed to help your meetings run more effectively. Voice-activated switching promotes a natural meeting environment by making it easy to focus on the person who is currently speaking in a multi-point call. ViewStation MP's voice-tracking camera and track-to-presets capability focuses on the speaker not background noise. Address book dialing and a simple graphical user interface makes ViewStation MP an easy-to-use and effective meeting tool.

With its embedded web server, the ViewStation MP can easily be connected to a PC so that PowerPoint presentations can be shown. This unique feature enables remote management, diagnosis and software upgrades to be made anywhere, anytime. ViewStation MP also supports Microsoft NetMeeting for data collaboration.

ViewStation MP is fully interoperable with existing videoconferencing systems and supports all H.320 compatible systems for multi-site calls. With its small footprint, about the size of this sheet of paper, it sits conveniently on top of any size, S-video or composite monitor.

ViewStation MP is transforming multi-site group videoconferencing from a luxury to an affordable and essential business tool. It is easy-to-use and ideally suited for today's competitive global marketplace when four views are better than one.

- ▼ ViewStation MP delivers high-quality, enhanced video from 56 kbps to 384/512 kbps supporting up to 30 frames per second. The integrated multi-point capability enables up to four sites at 128 kbps or three sites at 256 kbps.
- ▼ ViewStation MP multipoint conferencing options expand ease of use with voice-activated switching, continuous presence, and conference style preference settings providing greater flexibility and control in meetings.
- ▼ Polycom's market leading full-duplex digital audio with noise suppression and echo cancellation almost instantly adapts to the characteristics of your conference room for exceptional sound clarity.
- ▼ Unique voice-tracking camera and track to preset capabilities automatically focus on the speaker while ignoring background noise.
- ▼ Innovative codec architecture gives ViewStation MP the shortest delay time in the industry.
- ▼ Friendly graphical user interface enables the system to be easy-to-use. The address book provides an easy way to set up frequently dialed multi-point calls.
- ▼ Embedded Web server and Ethernet hub provide capabilities for remote system management and diagnostics and simple software upgrades via the Internet/Intranet.
- ▼ Web-based integrated presentation system provides a convenient and reliable way to display presentations from local or remote connections.
- ▼ Automatic network features provide simple installation and set-up.

## Technical Specifications

### Video

#### Algorithms Supported

ITU-T H.320 (px 64); H.323-ready

Video	H.261, H.263+
Audio	G.728, G.722, G.711, Acoustic Plus™716 Enhanced Audio

#### Display

Format	NTSC or PAL
Dual or single monitor	Auto cable sensing for second monitor
Auto-PIP system	Auto-on, Auto-swap, Auto-off
Composite connector	RCA phono
S-Video	Mini-DIN

#### Video Resolution

H.320	FCIF 352 × 288 pixels QCIF 176 × 144 pixels
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#### Frame Rate

30 fps @ 336 kbps and above

#### Multi-Point Calling (H.320)

Number of Sites - Calling speeds	3 sites @ 256 kbps, 4 sites @ 128 kbps
4 × CIF continuous presence	
Voice activated switching	
H.320 Standards based	Compatible with any H.320 endpoint

### Main Camera

Image sensor	1/3 in IT CCD
Tracking technique	Voice tracking and track to presets
Speaker distance	16 ft (5 m) optional, 28 ft (8 m) recommended maximum ±45° from center optimal ±90° from center maximum
Speaker location	

### Auxiliary Input/Output

Document camera	S-Video
VCR input	Composite
Second camera	S-Video
Second monitor	S-Video

### Full Duplex Digital Audio

Instant adaptation echo cancellation	<100 ms
Automatic Gain Control (AGC)	Max. gain 12dB
Automatic Noise Suppression (ANS)	-20 dB

### Surround Digital Mic Pod

Coverage	360°
Frequency response	50 Hz-7.0 kHz
Mute button	

### Mics

3 hypercardioid elements	
Digital mic input for 2nd mic pod	RJ-9 connector
Dual microphone	(option)

### Audio Performance

G.722	50 Hz-7.0 kHz
G.728	50 Hz-3.4 kHz
G.711	50 Hz-3.4 kHz

### Integrated Speakerphone (where approved)

Third party audio add in

### Diagnostics and Remote Management

	In Room	Via Web Browser	SNMP
Power up self test	Yes		Yes
Diagnostics/Configuration	Yes	Yes	Yes
Place call	Yes	Yes	
Call monitoring	Yes	Yes	Yes
Error logging		Yes	Yes
Low battery indicator on remote	Yes		Yes

### Ethernet/Internet/Intranet Connectivity

Standards supported	TCP/IP, DNS, WINS, SNMP, BOOTP, RARP, WWW, ftp
2 port 10 Mbps Ethernet hub	2 RJ-45 connectors T.120 interface with ShowStation®IP

### User Interface

Hand-held grip sensitive remote	Infrared
On-screen user interface	Graphical and anticipating
Web browser interface	Microsoft® Internet Explorer™, Netscape Navigator™

### Integrated Presentation System

Applications supported	Microsoft®, PowerPoint®, MS Net Meeting™
In-room laptop PC connection	RJ-45 connector
Remote Internet/Intranet connection	Web browser

### Transmission Speed

56 kbps - 512 kbps	Standard
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### Communications

Auto-ISDN setup	Auto-SPID, Adtran™ switch detection
Auto-IP	Auto address detect & configure

### S/T-Interface

Physical connector	RJ-45 connector
S/T-interface	External NT-1 may be required

### Electrical

Auto-sense power supply	
Operating voltage	90-260 VAC, 47-63 Hz
Power consumption	40 W

### Environmental

#### Operating

Temperature	0° to 35° C
Humidity	15% to 80%

#### Non-operating

Temperature	-40° to +70° C
Humidity	10% to 90%
Ambient noise	<40 dBA SPL
Minimum lighting	7 lux
Recommended lighting	>300 lux

### Physical

Size	13 in (33 cm) × 8 in (20 cm) × 6 in (15 cm)
Weight	6 lbs (2.7 kg)

### Warranty

1 year parts and labor

### Languages Supported

English, German, French, Spanish, Italian



Polycom, Inc., 2584 Junction Ave, San Jose, CA 95134-1902 USA  
Telephone 1.408.526.9000 or toll-free 1.800.POLYCOM Facsimile 1.408.526.9100 Internet <http://www.polycom.com>