



## Polycom ViewStation FX

Unmatched performance  
for the most demanding  
videoconferencing needs



- ▼ Highest video quality—near-TV video quality up at 30 frames per second at 1 Mbps
- ▼ Brings together multiple meeting rooms—integrated multi-point capability enables up to four sites at 384 kbps or three sites at 512 kbps
- ▼ Streaming-capabilities—embedded streaming feature allows the ViewStation FX to capture and send meetings, presentations, or broadcasts to anyone equipped with a Web browser
- ▼ Extensive connectivity—peripheral link and 10/100 Ethernet hub provides network flexibility for PRI, V.35 and LAN networks up to 2 Mbps
- ▼ Eases IT/IS workload—embedded Web capabilities and 10/100 Ethernet hub provide capabilities for remote system management and diagnostics and simple software upgrades via the Internet or intranets

**Setting a new standard in video communications.** The ViewStation FX™ group videoconferencing system from Polycom® delivers the highest performance to meet the most demanding video communication needs for boardrooms, classrooms and custom conferencing facilities.

ViewStation FX delivers near-TV quality video for lifelike conferencing interaction while fully supporting the H.263+ video standard. Additionally, ViewStation FX provides Polycom market-leading audio technology for maximum clarity in large conference rooms.

Setting the industry standard for easy, on-demand multipoint conferencing, the ViewStation FX contains an embedded four-port MCU to easily call up to four sites at 384 kbps video for a continuously present videoconference call. Voice-activated switching, chair control and one-button address book dialing makes ViewStation FX a powerful and easy-to-use meeting tool.

**Ultimate ease and flexibility.** Providing the ultimate conferencing flexibility, the ViewStation FX contains many additional ease-of-use features. Use one camera or two to capture a large audience or focus on specific individuals. Stream presentations or multimedia applications, broadcast speeches, show slides and share data in real time across a campus or across the world.

ViewStation FX supports both public and private networks through PRI, V.35 and Ethernet networks. A peripheral link and embedded 10/100 hub promote network and conferencing flexibility to make both H.320 and H.323 calls. With embedded Web capabilities, remote management and diagnostics and software upgrades can be performed anywhere, anytime.

Whether in the boardroom, conference room or classroom, ViewStation FX offers powerful performance in an easy-to-use set-top system for today's demanding meeting environments.



## Example Applications

The Viewstation FX is an ideal communications tool for a variety of business and educational applications.

### Conference/Meeting Rooms

- ▼ Executive-meetings where clear communication is critical
- ▼ Weekly 3- or 4-site team meetings
- ▼ Project status reviews
- ▼ Sales presentations

### Education/Distance Learning/Corporate Training

- ▼ K-12 multimedia rooms to originate and receive live and recorded classes
- ▼ College class rooms, to broadcast and/or record classes
- ▼ Laboratories to broadcast and/or record procedures and experiments
- ▼ Rural and metropolitan area training centers for training of displaced workforces
- ▼ Corporate training rooms

### Corporate Communications

- ▼ Conduct regular "virtual town meetings" to maintain corporate culture
- ▼ Remote office HR communications

### Telemedicine

- ▼ Low cost, easy to install/use basic remote clinic support
- ▼ Highest quality video for face-to-face consultations, with extra input for dermascopes, otoscopes, etc.

### Retail

- ▼ Merchandising
- ▼ Virtual show rooms
- ▼ Dealer training/support
- ▼ Vendor negotiations

## ViewStation FX Technical Specifications

### Standards Supported

ITU-T H.320 (px64); H.323  
Near-TV video quality (60 fields)

#### Video

H.261, Annex D  
H.263+, Annexes L, F, T, I, J, u

#### Audio

G.728, G.722, G.711  
Polycom Acoustic Plus 716

#### Communications

H.221

#### Display

##### Video Resolution

H.261, H.263+ Mode: FCIF 352x288

##### Near-TV LetterBox

512x320 (16x9 Aspect Ratio)

##### Near-TV Full Screen

448x448 (4x3 Aspect Ratio)

### Graphics Resolution

#### Slide Transmission Format

H.261 Mode: 4 x FCIF  
H.263 Mode: 16 x FCIF

#### Local Display Format

XGA

#### Graphic Image Capture

JPEG via Web browser or  
PolySnap Screen Capture Program

### Frame Rate

H.320 Calls: 15fps @ 56-320 kbps  
H.320 Calls: 30fps @ 336-2 Mbps  
H.323 Calls: 15 fps @ 64-320 kbps  
H.323 Calls: 30 fps @ 384-2 Mbps

### Multi-Point Calling over PRI or Ethernet (H.320 and H.323)

Local plus three sites @ 384 kbps  
Local plus two sites @ 512 kbps

### Video Inputs (NTCS or PAL)

#### 2nd Camera

S-Video

#### Document Camera

S-Video

#### VCR In (for playback)

Composite

### Video Outputs (NTSC or PAL)

#### 1st – 3rd Monitors

S-Video and composite

#### 4th Monitor

S-Video or VGA

#### VCR Out (recording)

Composite

### Main Monitor Auto-PIP System

Auto-on, auto-swap, auto-off

### Main Voice Tracking Camera

#### Image Sensor

1/3 in IT CCD

#### Lens

12 x Zoom; f=5.4 to 64.8mm  
F=1.8 to 2.7 mm: Auto Focus

#### White Balance

Automatic

#### Presets

10 presets local camera  
10 preset positions far-end camera

### Tracking Technique

Voice tracking or track to presets

### Full-Duplex Digital Audio

Instant adaptation echo cancellation  
Automatic gain control  
Automatic noise suppression

### Audio Inputs/Outputs

#### Line Level Input

Unbalanced

#### Connector

RCA

2 monitors L&R audio-out

RCA phono

### Digital Microphone Pod

Coverage 360°

Microphones have 3 hypercardioid elements  
Omni-directional coverage

### Integrated Speakerphone

(where approved)

Third-party audio add-in

### Remote Management

Extensive diagnostics and software upgrades via PC,  
LAN or video call

### Ethernet/Internet/Intranet Connectivity

Supports TCP/IP, DNS, WINS,  
SNMP, DHCP, ARP, WWW, ftp, telnet  
10/100Mbps Ethernet Hub  
T.120 Interface with ShowStation®, IP,  
WebStation® and NetMeeting

### Integrated Presentation System

#### Applications Supported

Microsoft PowerPoint and NetMeeting

### Streaming Capabilities

Live video stream multicast to Cisco IP viewer  
StreamStation (optional) for storage, archival and  
Real Networks G2 player

### Data Port

RS-232 connector for remote control devices

### Network Interfaces

PRI (Primary Rate Interface) ISDN  
V.35/RS-449; supports direct connect or  
RS-366 dialing

### Electrical

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

### Physical

#### ViewStation Size

33cm X 20cm X 15cm

#### Weight

2.7kg (6lbs)

### Languages Supported

English, French, German, Spanish, Italian,  
Portuguese, Chinese and Japanese

### Warranty

One year parts and labor



**POLYCOM®**  
The new tools of teamwork.



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