



## Polycom ViewStation FX

Unmatched performance  
for the most demanding  
videoconferencing needs



- ▼ **TV Quality, 60/50 fields video for NTSC/PAL, at 512 Kbps and above**
- ▼ **Brings together multiple meeting rooms—integrated multi-point capability enables up to four sites at 384 Kbps or three sites at 512 Kbps on H.320 or H.323 calls**
- ▼ **Continuous Presence, a Polycom exclusive capability, allows viewing all multipoint participants at the same time and at full CIF resolution**
- ▼ **Industry's highest resolution (1280x1024) graphics support**
- ▼ **Clear 360 degree, full duplex digital audio with noise suppression, switchable echo cancellation and automatic gain control**
- ▼ **Customized audio—extended audio flexibility via dual microphone pods and line-level audio input for custom microphones/mixers**
- ▼ **Supports dual pan-tilt-zoom cameras plus documents camera and VCR**
- ▼ **Network flexibility for Quad BRI, PRI T1 and E1, as well as V.35 and LAN networks up to 2 Mbps**
- ▼ **Streaming capability—embedded streaming feature allows the ViewStation FX to multicast the Video Communication to viewers over IP**
- ▼ **Standard three year warranty**

**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 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.

ViewStation FX is as powerful as it is easy to use. FX contains an embedded four-port MCU which sets the industry standard for easy, on-demand multipoint conferencing. Up to four sites can participate at 384 Kbps video for a continuous presence, voice activated or a chair control call (H.320 only) using the one-button address book dialing. While in a multipoint call, a telephone call can be added easily. All these features combine to make the 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 your videoconference to viewers on the LAN/WAN as easily as placing a call.

ViewStation FX supports both public and private networks through PRI, V.35, and Ethernet networks. Make IP calls, connect PCs, and allow Global Management Software access and management through the dual 10/100 Ethernet ports. With embedded Web capabilities and remote management, IT managers can perform diagnostics and software upgrades. Optional peripheral links allow switch-based and dedicated-line network connectivity over PRI T1, PRI E1, and V.35 access.

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 ideal for a wide variety of applications in business and education.

### 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 classrooms, 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 dermoscopes, otoscopes, etc.

### Retail

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

### Government

- ▼ Distance learning for federal applications
- ▼ NATO Standard Crypto-Resync Support
- ▼ Command Center quality video communication of XGA stills
- ▼ Emergency and non-emergency Field Deployment Communication
- ▼ TV quality, 30 fps video quality for executive presentations

## ViewStation FX Technical Specifications

### Standards Supported

ITU-T H.320 (px64); H.323

### Video Standards

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

### Polycom Enhanced Technology

TV-quality letterbox video 60 fields/sec NTSC  
TV-quality letterbox video 50 fields/sec PAL

### Other ITU Supported Standards

H.221 communications  
BONDING, Mode 1  
H.281 far-end camera control  
H.225, H.245

### Video Resolution

QCIF, FCIF, TV-quality wide screen

### Graphics Resolution

#### Slide Transmission Format

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

#### Local Display Format

1280 x 1024 graphics resolution

#### Graphic Image Capture

JPEG via browser  
VGA-IN with optional scan converter

### Frame Rate

H.320 Calls: 15fps @ 56–320 Kbps  
H.320 Calls: 30fps @ 336–2 Mbps  
H.323 Calls: 15fps @ 56–320 Kbps  
H.323 Calls: 30fps @ 384–2 Mbps

### Transmission Speed

Max data rate H.320: 2 Mbps  
Max data rate H.323: 2 Mbps

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

Local plus three sites @ 384 Kbps  
Local plus two sites @ 512 Kbps  
Cascade (H.320 only) up to ten sites @ up to 384 Kbps

### Video Inputs (NTCS or PAL)

#### 2nd Camera

S-Video

#### Document Camera

S-Video

#### VCR In (for playback)

Composite

### Video Outputs (NTSC or PAL)

#### Main Display

S-Video or composite

#### 2nd Display

S-Video

### VCR Out (recording)

Composite

### Main Monitor Auto-PIP system

Auto-on, auto-swap, auto-off

### Integrated Main Camera

#### Lens

48 field of view  
63° with optional lens  
12 x Zoom; f=5.4 to 64.8 mm  
f=1.8 to 2.7 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  
Polycom Acoustic Plus 716

### Full-Duplex Digital Audio

Instant adaptation echo cancellation  
Automatic gain control  
Automatic noise suppression

### Audio Inputs/Outputs

#### Polycom Mic Pod

RJ9

#### Line Level Input

RCA (unbalanced)

#### Main Audio Out, VCR In and Out

RCA L&R

### Digital Microphone Pod

Coverage 360°  
Microphones have 3 hypercardioid elements  
Omni-directional coverage

### Integrated Speakerphone

(where approved)

Third-party audio add-in  
Point to point or multipoint calls

### Diagnostics and Remote Management

Extensive diagnostics and software upgrades via PC, LAN or in a video call  
Integrated Web interface for direct management

Supports Polycom Global Management System,™ Global Address Book and SNMP

### Ethernet/Internet/Intranet Connectivity

Supports—TCP/IP, DNS, WINS, SNMP, DHCP, ARP, WWW, ftp, telnet  
2 10/100 Mbps Ethernet ports  
T.120 interface with ShowStation® IP, WebStation™ and Microsoft® NetMeeting

### Web Conferencing

Integrated presentation system supports Microsoft® PowerPoint®  
Polycom SNAP for high resolution graphics capture

### User Interface

Hand-held, ergonomically designed remote control  
Infrared onscreen graphical user interface

### Enhanced API

Supports AMX and Crestron panels through RS Telnet

### Web Browser Interface

Microsoft Internet Explorer or Netscape Navigator  
CC or Closed Caption, three line text

### Streaming Capabilities

Live video stream multicast to Cisco® IP/TV™ viewer or Apple® Quicktime  
StreamStation (optional) for storage, archival and Real Networks G2 player

### Data Port

RS-232 Control port/data communications port (9600 baud to 115K baud asynchronous)

### Network Interfaces (optional)

PRI (Primary Rate Interface) T1  
PRI E1  
V.35/RS449; support direct connect or RS-366 dialing  
Supports H.331 broadcast mode  
Quad BRI (Basic Rate Interface)

### 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, Chinese, Japanese

### Warranty

Three year parts and labor



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