



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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