



Polycom ViewStation FX

Unmatched performance
for the most demanding
videoconferencing needs



- ▼ Highest video quality—delivers TV quality video at 30 fps
- ▼ 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
- ▼ High resolution XGA graphics support
- ▼ Clearest sound—full-duplex digital audio with noise suppression and echo cancellation
- ▼ Customized audio—extended audio flexibility via dual microphone pods and line-level audio input for custom microphones/mixers
- ▼ Supports dual Pan Tilt Zoom Cameras
- ▼ Network flexibility for PRI, V.35 and LAN networks up to 2 Mbps
- ▼ Streaming capabilities—embedded streaming feature allows the ViewStation FX to capture content for IP Webcasts
- ▼ 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.

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 10/100 Ethernet hub promote network and conferencing flexibility to make both H.320 and H.323 calls. With embedded Web capabilities and remote management, IT managers can perform diagnostics and software upgrades.

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

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
TV quality video (60 fields/sec)

Other ITU Supported Standards

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

Video Resolution

QCIF, FCIF
TV quality letter box: (16x9 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

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 PRI or Ethernet (H.320 or 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)

Main Camera

S-Video or composite

2nd Camera

S-Video

VCR Out (recording)

Composite

Main Monitor Auto-PIP system

Auto-on, auto-swap, auto-off

Integrated Main Camera

Image Sensor

1/3 in IT CCD

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

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
Point to point or multipoint calls

Remote Management

Extensive diagnostics and software upgrades via
PC, LAN or in a video call
Supports Polycom Global Management System™
and Global Address Book

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
VGA In with optional scan converter

User Interface

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

Web Browser Interface

Microsoft Internet Explorer or Netscape Navigator

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 connector for remote control devices

Network Interfaces

PRI (Primary Rate Interface)
ISDN
V.35/RS-449; Supports direct connect or RS-366 dialing
Supports H.331 broadcast mode

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, Portugese,
Chinese, Japanese

Warranty

Three year parts and labor



Polycom, Inc. 1565 Barber Lane Milpitas, CA 95035
1.800.POLYCOM • 1.408.526.9000 • Fax 1.408.526.9100

www.polycom.com