



Polycom ViewStation FX

Unmatched performance
for the most demanding
videoconferencing needs



- ▼ Highest video quality—delivers Broadcast TV mode video quality 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 H323 calls
- ▼ High resolution XGA graphics support
- ▼ High-quality data sharing and communication of any PC application using PolySnap PC software
- ▼ Clearest sound—full-duplex digital audio with noise suppression and echo cancellation ensures every word is heard
- ▼ Customized audio—extended audio flexibility via dual microphone pods and line-level audio input for custom microphones/mixers
- ▼ Supports dual Pan Tilt Zoom Cameras
- ▼ Multi-application friendly—full complement of flexible A/V inputs and outputs supports custom applications
- ▼ Extensive connectivity—peripheral link and 2 10/100 Ethernet ports provide network flexibility for PRI, V.35 and LAN networks up to 2 Mbps
- ▼ Streaming capabilities—embedded streaming feature allows the ViewStation FX to capture and send meetings, presentations, or broadcasts to anyone equipped with a Web browser
- ▼ Maximum control—multiple data/control ports allow control by AMX or Creston control panels and support for external camera control
- ▼ Easy install—unobtrusively integrates into your conferencing environment like any ViewStation product

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 Broadcast TV mode video quality 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 2 embedded 10/100 ports 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 dermatoscopes, 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 X VGA stills
- ▼ Emergency and non-emergency Field Deployment Communication
- ▼ Broadcast TV mode, 30 fps video quality for executive presentations

ViewStation FX Technical Specifications

Standards Supported

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

Video

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

Audio

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

Communications

H.221

Display

Video Resolution

H.261, H.263+ Mode: FCIF 352 x 288

Near-TV Letter Box

336 x 320

Near-TV Full Screen

336 x 448

Graphics Resolution Slide Transmission Format

H.261 Mode: 4x FCIF 704 x 576
H.263 Mode: 16x FCIF 1408 x 1152

Local Display Format

XGA
NTSC: 704 x 480
PAL: 704 x 576

Graphic Image Capture

JPEG via Web browser or PolySnap PC 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 (NTSC or PAL)

2nd Camera

S-Video

Document Camera

S-Video

VCR In (For Playback)

Composite

Video Outputs (NTSC or PAL)

Main Monitor

S-Video and composite

2nd Monitor

S-Video

3rd Monitor

S-Video

4th Monitor

S-Video or X VGA

VCR Out (recording)

Composite

Main Monitor Auto-PIP System

Auto-on, auto-swap, auto-off

Main Voice Tracking Camera

Lens

12 x Zoom

White Balance

Automatic

Pan Angle

100°

Tilt Angle

25°

Presets

10 presets local cameras
10 preset positions far-end camera

Tracking Technique

Voice tracking or track to presets

Full-Duplex Digital Audio

Instant adaptation echo canceling
Automatic gain control
Automatic noise suppression

Audio Inputs/Outputs

Line Level Input (RCA)

Unbalanced

Connector Line Level Output

L&R audio-out

Digital Microphone Pods

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

Integrated Speakerphone (where approved)

Third-party audio add-in

Remote Management

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

Ethernet/Internet/Intranet Connectivity

Supports-TCP/IP, DNS, WINS, SNMP, DHCP, ARP,
WWW, ftp and Telnet
10/100Mbps auto-sensing Ethernet Ports
Two 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
and QuickTime®
StreamStation (optional) for storage, archival and
Real Networks G2 player

Data Port

RS-232 connector for remote control devices

Network Interfaces

ISDN PRI (Primary Rate Interface) RJ-45
V.35/RS-449; Supports direct connector
RS-366 dialing
LAN

Electrical

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

Physical

ViewStation Size

33 cm x 20 cm x 15 cm

Weight

2.7kg (6lbs)

ViewStation Imux

2.75" x 5" x 7.5"
(7.0 cm x 12.7 cm x 19.1 cm)
Camera size: 12.3" x 7.3" x 2.4"
(31.2 cm x 18.4 cm x 6.1 cm)

Languages Supported

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

Warranty

One year parts and labor
Extended warranty available



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