



ViewStation Videoconferencing

High-Quality, Full-Featured Video and Audio
Combined in an Easy-to-Use, Affordable System



The ViewStation¹ system is specifically designed to transform videoconferencing from an expensive luxury into a cost-effective, essential tool for the way you do business.

With ViewStation, you get the built-in flexibility, collaboration, and cost benefits of videoconferencing for your business:

- The speed and ease of bringing individuals or groups together as needed
- The immediacy and accuracy of “face-to-face” communications over long distances
- The ability for all sites to view presentations or documents on-screen during a conference
- The ability to save time and expenses by having “virtual meetings” with no travel necessary.

ViewStation group videoconferencing delivers high-quality video and audio in a compact, affordable system. It’s a perfect combination of technology, ease of use, and cost-effectiveness that will make you wonder how you ever managed without it.

Easy Setup and Management

ViewStation integrates quickly and seamlessly into your business communications infrastructure, and is fully interoperable with other standards-based systems.

Whether you are new to videoconferencing or want to expand your current system, ViewStation provides a solution that’s easy to install.

With its small “footprint,” the ViewStation unit sits conveniently on top of any size flat-top S-video or composite monitor, conserving your valuable office real estate. Color coding makes cable connection simple.

In addition, ViewStation’s self-configuring capabilities for ISDN and Internet protocols make it easy to install and set up the necessary network interfaces for videoconferencing, presentation/

document sharing, and system management.

From there, a highly graphical, user-friendly interface—including icons, a hand-held remote control, and Web-based remote access—makes using the system a breeze.

High-Quality Video and Audio

The affordable ViewStation system supports the latest video standards, providing enhanced video quality at 128 kbps—or, with the 30 frames per second, 384/512 kbps option, delivering full-motion video quality.

ViewStation’s full-duplex audio with noise suppression and echo cancellation allows the system to adapt to the characteristics and size of your conference room almost instantly, for maximum sound clarity. An extendible microphone provides additional flexibility and sound quality.

Putting video and sound together, ViewStation’s unique *voice-tracking camera* automatically moves to find and focus on the person who is speaking. The hand-held remote control also lets you tilt, pan, and zoom as desired without getting up to reposition the camera by hand. Together, it makes for smooth, natural, effective videoconferencing.

Web-Enabled for Greater Flexibility and Manageability

ViewStation also features an embedded Web server and Ethernet hub architecture that provides an Intranet or Internet interface along with your videoconferencing interface. This unique architecture lets you access remote system management and diagnostic capabilities any time, from anywhere. It also allows you to upload simple software upgrades via your business Intranet or the Internet.

In addition, the Web-based server has an integrated presentation

system that makes it easy to share Microsoft PowerPoint² slide presentations during a videoconference. With just a click of a Web browser, a user can upload and display a presentation from either a remotely connected desktop PC or a laptop directly connected to the ViewStation unit. Remote conference participants connected via the Internet or Intranet can simultaneously view the presentation.

It's a convenient, reliable way to share materials among all conference participants, enhancing collaboration and efficiency.



ViewStation Technical Specifications

Video

- Transmission speed: 128 kbps standard, 384/512 kbps optional
- Algorithms supported: ITU-T H.320 (px64), H.323-ready
 - Video: H.261, H.263
 - Audio: G.728, G.722³, G.711
- Display
 - Format: NTSC or PAL
 - Dual or single monitor; auto-cable sensing for second monitor
 - Auto-PIP system: auto-on, auto-swap, auto-off
 - Composite connector: RCA phono
 - S-Video: Mini-DIN
- Video Resolution
 - H.320: FCIF 352 x 288 pixels; QCIF 176 x 144 pixels
- Frame rate: 15 fps @ 128 kbps; optional 30 fps @ 384/512 kbps

Main Camera

- Image sensor: 1/3" IT CCD
- Tracking technique: automatic voice tracking
- Speaker distance: 16' (5 m) optimal, 28' (8 m) recommended maximum
- Speaker location: ± 45 degrees from center optimal, ± 90 degrees from center maximum

Integrated Presentation System

- Application supported: Microsoft PowerPoint

Auxiliary Input/Output

- Document camera: S-Video
- VCR input: Composite
- Second camera: S-Video
- Second monitor: S-Video
- Second audio input: RJ-9 connector

Full-Duplex Digital Audio

- Instant automatic echo cancellation: <100 ms
- Automatic Gain Control (AGC): maximum 12 dB
- Automatic Noise Suppression (ANS): -20 dB
- Surround Digital Microphone Pod
 - Coverage: 360 degrees
 - Frequency response: 50 Hz-7.0 kHz
- Audio performance
 - G.722³: 50 Hz-7.0 kHz
 - G.728: 50 Hz-3.4 kHz
 - G.711: 50 Hz-3.4 kHz

Ethernet/Internet/Intranet Connectivity

- Standards supported: TCP/IP, DNS, WINS, SNMP, BOOTP, RARP, WWW, ftp
- 2-port, 10 Mbps Ethernet hub: 2 RJ-45 connectors

Explore the Possibilities

Formed through the restructuring of AT&T, Lucent Technologies is the company dedicated to delivering solutions to meet your communications technology needs—offering everything from software to equipment and systems, to value-added services and support.

To learn more about ViewStation, talk to your Lucent Technologies representative or call our Video Technical Center at **1-888-345-4200**. And be sure to visit our Web site at [www.lucent.com/enterprise].

Web Browser Interface

- Microsoft Internet Explorer⁴
- Netscape Navigator⁵

Network Interface

- Auto-ISDN setup: auto-SPID, auto-switch type detection
- Auto-IP: auto-address detection and configuration
- S/T interface
 - Connector: RJ-45
 - NT-1 required
- U interface
 - Connector: RJ-45
 - Available 3rd quarter 1998

Electrical

- Auto-sensing power supply
- Operating voltage: 90-260 VAC, 47-63 Hz
- Power consumption: 40 watts

Physical

- Dimensions: 13" x 8" x 6" (33 cm x 20 cm x 15 cm)
- Weight: 6 lb (2.7 kg)
- Operating temperature: 32-95° F (0-35° C)
- Operating humidity: 15-80%
- Ambient noise: <40dBA SPL
- Lighting: minimum 7 lux, > 300 lux recommended

One Year Warranty on Parts and Labor

¹ ViewStation is manufactured for Lucent Technologies by and is a trademark of Polycom, Inc.

² Microsoft and PowerPoint are registered trademarks of Microsoft Corporation.

³ Available with 384/512 kbps option.

⁴ Internet Explorer is a trademark of Microsoft Corporation.

⁵ Netscape Navigator is a trademark of Netscape Communications Corporation.

