

## Key features

### Video

- Up to 14 remote-party conference participants (i.e., 15-way visual conference)
- Support for live TV broadcasts (e.g., CNN, Fox News, or MSNBC) to the desktop
- Participants rendered at 30 frames per second of VGA image resolution
- Low-delay (<100 ms) H.264 encoding with H.261 and H.263 compatibility options
- Self view

### Video viewer

- Displays video channels broadcast from the optional ViPr Media Server (see the ViPr Component Options Data Sheet for additional information).
  - Live TV/cable broadcasts
  - VCR/DVD viewing
  - Security and public camera feeds
  - Presentations
  - Any other video source
- Supports simultaneous viewing of up to three channels (when not in a conference)
- Available channels are displayed for user selection
- Users can view video while on a call
- Features independent audio volume/mute for each video channel

### Audio

- Hands-free operation
- Full-duplex audio
- Stereo acoustic echo canceller (AEC), ViPr 4000 Series personal systems only
- Automatic gain control (AGC)
- Wideband audio — 16-bit, 16 KHz uncompressed pulse code modulation with G.728, G.722, G.722.1 and G.711 compatibility options
- High-fidelity stereo output with volume control
- PC audio pass-through, ViPr 4000 Series personal systems only

### Telephone features

- On-screen touch dial pad and keyboard
- Caller ID
- Hold, transfer, conference
- Speed dial
- Redial/call history
- Call forwarding
- Do not disturb

### User-based calling

- Login is via Windows/Kerberos user ID and password
- Phone “personality” moves with login
  - When a user logs in to a ViPr at a remote site, all personalized settings appear
  - Contacts, speed dials, and ring preferences move with the user
  - Calls for a specific user automatically route to the ViPr station where the user is logged in
  - ViPr features automatic “find me/follow me” technology
- SIP uniform resource identifiers (URIs) are used as “phone numbers” and resemble e-mail addresses (e.g., vipr.user@aastrausa.com)
- PBX extensions (with optional analog or digital gateways) are automatically forwarded to the ViPr station where the user is logged in

### Presence services

- Users are able to know before a call is placed whether the called party is likely to answer
- SIP for Instant Messaging and Presence Leveraging Extensions (SIMPLE) presence client
- Full state tracking (available, busy, do not disturb, out of office)
- Allows customized call-routing rules for each presence state
- Contact-based filtering privacy controls
- Contact database
- Full name, organization, address
- Multiple phone numbers (SIP URIs and numeric)
- One-touch dialing to any contact
- Presence information is shown for all subscribed contacts
- Users can search corporate directories via Lightweight Directory Access Protocol (LDAP)

### Call history features

- Four call categories: incoming, outgoing, missed, and frequently dialed
- Automatic storage of the 20 most recent calls in each category
- One-touch redial of any entry
- Caller ID display
- Function to save any entry as a contact in the database
- ViPr call session logs are available for call tracking and management purposes

### Standards

- ViPr products are RFC 3261-compliant
- Supports the ability to make calls to/from standard SIP phones and gateways
- IPv6

# Aastra® ViPr™

Clearly the choice for the most natural conversations and most productive meetings



Easy to use, standards-based, and available in configurations that work from the executive suite to large conference halls, the Aastra ViPr™ seamlessly integrates superior quality, real-time video telephony with conferencing and presentation tools.

### Advancing virtual presence communications

The definitive visual communications system, Aastra ViPr offers dramatic “Virtual Presence” functionality for video interaction between two or more geographically dispersed parties. Mature and based on the H.264 standard, ViPr raises the bar for high-quality video telephony while maintaining full interoperability with standard telephone systems and legacy video conferencing.

If your operation benefits from collaboration between remote parties, a ViPr “call” is as good as a face-to-face meeting without the travel expense. And ViPr’s simple, intuitive user interface has been validated during human factors testing and through real-world experience. First-time users establish multiple-party video conferences within a few minutes with minimal training.

A Virtual Share package of optional collaboration tools allows ViPr conferees to share documents, streaming video and applications, including electronic white boarding via Microsoft NetMeeting. Other optional components enable conferees to view live broadcast TV, prerecorded video, or CCTV feeds during a ViPr call.

## AASTRA®

Aastra USA Inc.  
2811 Internet Blvd  
Frisco, TX 75034 USA

1-800-468-3266  
www.aastrausa.com  
marketing@aastrausa.com

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## AASTRA®



Aastra ViPr group conferencing

ViPr uses H.264 video encoding, a low-bandwidth encoder that is optimized for low-delay, real-time video communications. What that means to you: the highest quality video at any bandwidth.

#### Key benefits

- Broadcast-quality video and clear channel audio facilitate natural conversations, with users completely unaware of the enabling technology
- Available in a desktop-only configuration, conference room configurations, or in combination
- Provides one-on-one and multi-party conferencing services, ad-hoc meeting capabilities, and fully integrated telephony services over highly reliable networks
- Supports operation over high-speed encrypted networks
- Features a SIP-based VoIP architecture for multi-site communications applications
- Offers easy-to-use touchscreen operation with an intuitive graphical user interface
- Requires very little training to operate
- Provides always-on availability for event-driven collaboration, a major advantage over scheduling a video conferencing room
- Integrates with existing private branch exchanges and the public switched telephone network
- Interoperates with traditional H.323- and H.320-based video conferencing systems

The most effective network appliance available to facilitate multimedia communications to locations around the world, ViPr can be used for a multitude of applications, including:

- Real-time briefings/situational decision making enhanced with collaboration and presentation media
- Real-time emergency response and preparedness communications
- International, national, statewide and countywide meetings
- Training
- Distance learning
- Real-time telemedicine
- Distributed teamwork

Each ViPr user can connect up to 100 parties (with 15 video participants of your choice). And a variety of endpoint configurations makes it easy to choose the ViPr system that is the best fit for any collaborative environment:

- 4000 Series personal (desktop) systems
- 5000 Series rack-mounted group systems
- 6000 Series table-mounted group systems



ViPr Desktop Terminal graphical user interface

#### 4000 Series personal systems

Aastra ViPr endpoints for executive offices combine the most popular features (hold, transfer, speed dial, call forwarding, call forwarding) of an office telephone with real-time, face-to-face video for a true virtual presence experience.

The 17-inch touchscreen with graphical user interface displays full-motion, full-color video with 1280x768 (16:9) resolution and a wide viewing angle. As an available option, the screen may also function as a PC monitor to save desktop space.

ViPr's high-fidelity audio system delivers crystal clear voice communications. An advanced stereo acoustic echo canceller (AEC) and noise reduction filters enable users to speak naturally, even in noisy settings. And an integrated, hearing-aid compatible handset (or optional stereo headset) disables the microphone array and speakers for privacy.

And with ViPr, there is no delay or lost audio when multiple parties speak at once. Compared to conventional video conferencing that tends to degrade into walkie talkie-like exchanges, the ViPr 4000 Series Media Center facilitates truly interactive discussions. With ViPr video and audio, conferees interact as if they were in the same room.

#### 5000 and 6000 Series group systems

To address various requirements for conference-room based systems, Aastra ViPrs for group conferencing are available in two endpoint configurations:

- The 5000 Series - a traditional, affordable 2U high codec "box" that is rack-mounted and can be operated with a wireless mouse or interfaced to a room-based control system.
- The 6000 Series - a modified version of the 4000 Series personal system that can be installed in a conference room (or mounted into a conference table). The system is controlled with the ViPr touchscreen or with a wireless mouse.

Aastra ViPrs for groups offer the same full-motion, full-color video and clear-channel audio quality as the personal system, but they're designed for meeting rooms, classrooms, and conference halls. An enhanced call screen format displays two large, wide images — while simultaneously displaying 8 thumbnail images — so even far-end conferees are visible on screen.

#### ViPr Application Server

A ViPr Application Server, the ViPr "command center", uses Session initiation Protocol (SIP) to establish, modify and clear multiple-stream multimedia sessions. The server is also the central storage device for users' terminal settings and address books, which allow users to access their preferences from any ViPr endpoint. The ViPr Application Server can support up to 200 simultaneous users (v3.0) in Single server or High -Availability configurations.