



Aastra BluStar™ for Conference Room

HD video conferencing solution for real time collaboration

Aastra BluStar™ for Conference Room expands the BluStar Ecosystem to include a versatile video conferencing solution for medium to large boardrooms or conference rooms. Supporting an external HD camera, an HD capable display and audio options, BluStar for Conference Room provides a powerful and flexible solution to meet the needs of modern businesses.

With its intuitively easy to use interface and controls, BluStar for Conference Room promotes frequent and ad-hoc use, making it easy for true HD face-to-face communication. Its flexible configuration and interfaces enable traditional conference room usage as well as support for applications where maneuverable cameras can share video streams as easily as making a phone call. BluStar for Conference Room can be fully integrated with Aastra communication servers, providing a video collaboration solution which is cost efficient, easy to deploy, manage and use.



Aastra BluStar™ for Conference Room Codec

Aastra BluStar Takes Business Communications to a New Level

Intuitive Communication & Collaboration

BluStar for Conference Room is designed for ease of use and simple configuration. By utilizing the same user interface as the award winning BluStar 8000i Desktop Media Phone, and making use of its rich presence capabilities to provide users accurate real-time information about the availability of contacts in their favorites list, users can easily initiate multi-way video conference calls promoting greater collaboration and productivity between remote teams. BluStar for Conference Room is available as a complete conference room solution with camera, wireless audio conference phone, and wireless controller or as individual components for upgrading voice only rooms to a video enabled solution.

Aastra BluStar Ecosystem

BluStar for Conference Room is an essential part of Aastra's Unified Communication & Collaboration (UCC) portfolio — the BluStar Ecosystem. BluStar takes business communications to a new level across a choice of devices, providing a consistent user experience by using video as the key mode of communication. BluStar productivity enhancing tools provide more choice and flexibility to answer the increasingly diverse communication needs of today's modern enterprise. As a BluStar user it is possible to use video across all BluStar devices connected to the same communication server.

Features & Benefits

Key Features

- ✦ Designed for ease of use and simple configuration
 - Open standards based application – SIP call control & H.264 video encoding.
 - Intuitive user interface promoting frequent and ad-hoc use
 - Consistent UI with other BluStar devices and clients – identical to the BluStar 8000i
- ✦ Fully integrated with Aastra communication servers
 - Easy to configure, manage and use.
 - Deployed like any SIP extension off the call manager
- ✦ Ad-hoc conferencing capabilities for multi-way video conferencing and collaboration
 - Up to 4-way when deployed with Aastra communication servers
 - Up to 11-way when deployed with a BluStar Application Server (BAS)
- ✦ Does not require the use of a Multipoint Control Unit (MCU)
- ✦ True HD video and audio communication
 - 720p HD 1280x720 video image resolution
 - G.722 and G.719 wideband audio
- ✦ Standards based interfaces for audio and video
- ✦ Built in VPN client for remote access
- ✦ Directory integration with LDAP, Microsoft Exchange
- ✦ Picture ID integration for Caller ID
- ✦ Standard Telephony Features
 - On-screen dial pad, Hold, Transfer, 4-way Conference, Favorites, Call Forward, Call Pickup, Redial/Call Histories, BLF/Presence, DND, MWI
- ✦ Supports most HD capable displays and projectors via HDMI interface
- ✦ Supports most Multi-Touch Screen TVs for direct on-screen touch UI control
- ✦ True 720p HD color video camera
- ✦ Wireless conference phone with full echo cancellation
- ✦ Wireless keyboard controller for easy remote control
- ✦ Power saving options to reduce energy consumption
- ✦ Desktop, wall or rack mount options



Customer Benefits

- ✦ Natural face-to-face communications for productive group collaboration
- ✦ Reduced travel costs and increased productivity
- ✦ Fully integrated with Aastra communication servers or BluStar Application Server (BAS)
- ✦ Seamless integration with all BluStar Ecosystem devices and clients
- ✦ Easy to use, easy to deploy, manage and maintain
- ✦ A future proof solution based on open standards

System Management

- ✦ Server based provisioning (configuration files) or terminal specific configuration
- ✦ Remote software upgrades
- ✦ Network statistics provided for troubleshooting

Security Features

- ✦ Biometric fingerprint reader for secure login
- ✦ Management via Hypertext Transfer Protocol over Secure Socket Layer (HTTPS)
- ✦ Transport Layer Security (TLS)
- ✦ Secure Real Time Transport Protocol (SRTP) for voice

Localization

- ✦ User Interface (UI) is available in several different languages: English, French, German, Spanish, Italian, Dutch, Chinese, Japanese

Solution Components

BluStar for Conference Room Kit

BluStar for Conference Room is supplied as a fully integrated kit that is pre-configured and certified making it easy to deploy. The kit comes with all required connecting cables and power supplies and includes:

- ✦ BluStar for Conference Room Codec
- ✦ BluStar HD 610 Camera
- ✦ Aastra S850i Wireless Conference Phone
- ✦ Wireless Keyboard Controller
- ✦ Interconnecting audio and video cables

BluStar for Conference Room Codec

The BluStar for Conference Room Codec is at the heart of the conference room solution. Providing the video encoding and decoding capabilities as well as all IP routing, signaling, call control and user interface for configuration and daily use.



The standards based interfaces built into the Codec enables connectivity to HD cameras, HD audio and HD display devices.

BluStar HD 610 Color Video Camera

The Aastra BluStar HD 610 camera supplied with the BluStar for Conference Room kit provides true HD 720p resolution video. The camera is fully integrated with the BluStar for Conference Room Codec to ensure all configuration settings are pre-set to provide a plug and play solution that delivers crisp and clear images for true HD video conferencing.



The robust features of the HD 610 enable it to easily handle the requirements of large conference room layouts, yet it is flexible enough to accommodate small to medium size applications as well.

Aastra S850i Wireless Conference Phone

The S850i wireless conference phone is comprised of one wireless speaker, two wireless omnidirectional microphones and a handset dialer.



Supporting wideband audio technology, the S850i delivers superior sound quality and performance. The audio auxiliary IN and OUT connection ports of the S850i allow a tight integration with the Aastra BluStar for Conference codec. Completely wireless, the S850i is a unique marriage of innovative technology and ergonomic design allowing unparalleled freedom and flexibility for audio and video conferencing.

Wireless Keyboard Controller

The wireless keyboard controller provides users the ability to remotely access and navigate the UI of the BluStar for Conference Room. It is all that is required to control and manage all aspects of making video calls and adding participants for multi-way conferencing.



The wireless keyboard controller comes with a micro USB dongle which connects into one of the 2 USB interfaces on the BluStar for Conference Room Codec giving the user over thirty feet of wireless freedom.

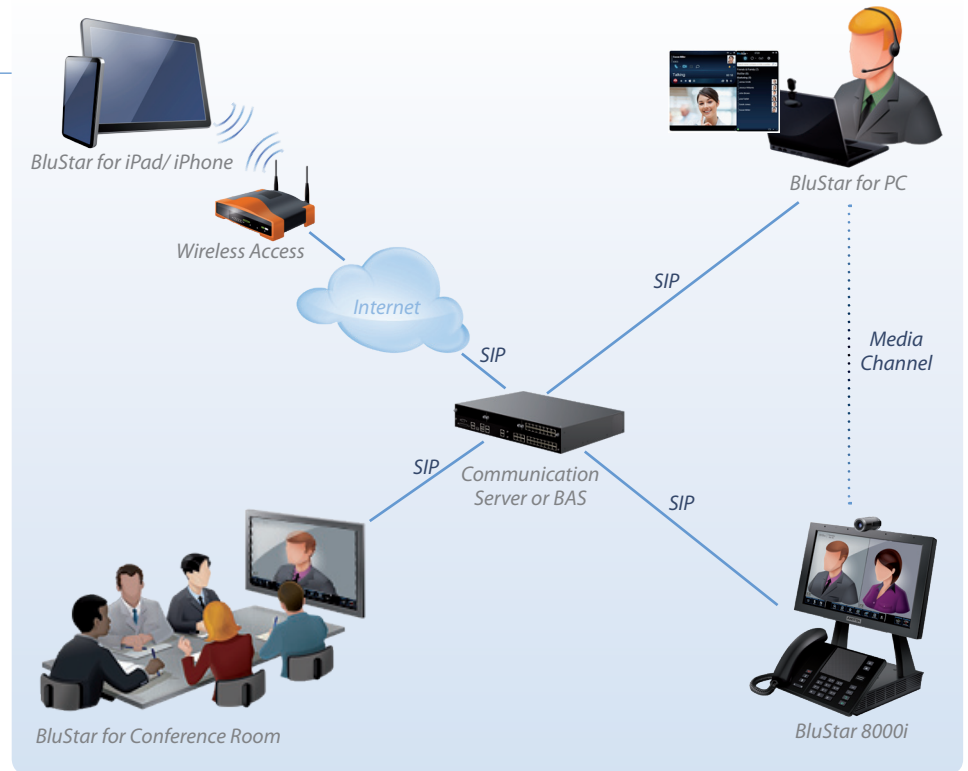
All elements of the BluStar for Conference Room kit can be purchased separately providing an upgrade path for those conference rooms which might already have user supplied components. Note: To complete a BluStar for Conference Room installation, a user supplied HD capable display or projector is required as it is not provided as part of the kit.

System Architecture

SIP End-Point Connected Directly to the Platform

BluStar for Conference Room is a SIP based UCC client that, from a communication server perspective, is equivalent with any connected SIP terminal.

At start up, the client registers with the communication server using SIP. Media (RTP) between the client and the remote end-point is routed and negotiated using SIP via the communication server.



Product Specifications

Solution		
Product Compatibility	Fully Compatible with all BluStar Ecosystem devices & clients. Compatible with Aastra MX-ONE, Aastra 5000, Aastra 400, Aastra Clearspan, BluStar Application Server and most standards based SIP call control	
Standards Supported	SIP Call control H.264 Video 1280x720p 30fps 16:9 ratio	G.722, G.719, G.711 DECT 6.0 (1920-1930 MHz) DECT ETSI 3000 175 (1880-1900 MHz)
Components	Specifications	Interfaces
Codec	H.264 SIP signaling Native 4-way encoding/decoding Up to 6Mb/s video streaming	Two HDMI ports VIDEO IN & OUT One component VIDEO IN R/G/B Two USB 2.0 ports Two 3.5mm audio LINE IN and LINE OUT One Gigabit Ethernet port One DB9 COM port
HD 610 Camera	3x optical zoom 70 degree viewing angle 16:9 2.1 Mega Pixel Pan Rotation: +/- 177.5 degree Tilt rotation: +/- 45 degree Video signal 720p/30fps	One VISCA IN port One VISCA OUT port One DVI port
S850i conference phone	G.722 G.711 DECT 6.0 (1920-1930 MHz) DECT ETSI 3000 175 (1880-1900 MHz)	One 100BT Ethernet port Two 3.5mm auxiliary audio AUX IN/OUT Two USB 2.0 ports
Wireless keyboard controller	2.4GHz wireless 33 feet connectivity to micro USB dongle	2.4GHz wireless keyboard Micro USB dongle 2.4GHz