



INVISION 12/24 Series

A comprehensive solution for voice and video collaborative communications

INVISION is a complete visual communications solution, offering multiparty conferencing with advanced video processing for H.323, SIP and ISDN networks. INVISION management pack includes full gatekeeper functionality; complete scheduling capabilities; and comprehensive control and monitoring of your network.

Designed for today – and tomorrow – INVISION is a cost effective, packet-based solution that will transport your business to a new level of rich-media voice and video collaborative communications.



INVISION Provides:

- **Multiparty conferencing unit (MCU)** with full video and audio transcoding, SIP and H.323 support
- **ISDN Gateway** for H.320 connectivity (included with specific INVISION models)
- **H.323 gatekeeper (ECS)** for complete call control and dial plan schemes
- **Network Management (NMS & iCM)** - for conference scheduling and management of infrastructure elements and endpoints

Complete videoconferencing solution

INVISION offers a complete point-to-point and multi-party conferencing solution including gateway functionality, gatekeeper call control and effective management of network resources for the ultimate visual communications experience.

End-to-end connectivity

INVISION is a mature and market-proven solution enabling connectivity of all videoconferencing systems regardless of the protocols (H.323, SIP or H.320) or devices (room systems, desktop and PSTN and mobile phones).

Complete audio and video processing

All INVISION ports support audio and video transcoding and transrating. Each user enjoys the full benefits of advanced video processing including: advanced CP layouts, rate matching, text and frame overlay and active speaker indication. RADVISION QualiVision™ maintains video quality for networks with packet loss, assuring best video quality at all times.

Comprehensive and intelligent call management

INVISION provides gatekeeper functionality and everything you need to define, control and manage voice and video traffic over your network.

Centralized network management

INVISION offers a global, centralized view of the entire visual communications network. Administrators can easily control, configure, and manage their video network devices and endpoints.

Ad-hoc and Scheduled Meeting Services

INVISION supports both ad-hoc and scheduled conferencing. Meetings can be scheduled from a Web interface or via Microsoft Outlook. Scheduled meetings reserve the ports, bandwidth and devices required for the conference.

Scalability and Distribution

INVISION modules can be combined to form a highly scalable, centralized or distributed conferencing solution. Let your video network infrastructure grow according to your needs.

INVISION Specifications

| | | INVISION 12 Series | | | INVISION 24 Series | | |
|----------------------------------|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | INVISION 12 12 port MCU | INVISION 12B40 12 port MCU with 4 BRI | INVISION 12P20 12 port MCU with 2 PRI | INVISION 24 24 port MCU | INVISION 24P20 24 port MCU with 2 PRI | INVISION 24P40 24 port MCU with 4 PRI |
| Form factor | |  |  |  |  |  |  |
| Multiparty Voice Port Count | | 26 ports | | | 45 ports | | |
| Multiparty Video Port Count | | 12 ports | | | 24 ports | | |
| INVISION Management ¹ | H.323 Gatekeeper Ports | 30 ports | | | 50 ports | | |
| | Conference Scheduler Ports | 15 ports | | | 30 ports | | |
| | Network Manager Elements | 5 ports | | | 5 ports | | |

Video and Audio Support

- Protocols - H.323, H.320, SIP
- Audio Codecs - G.711, G.722, G.722.1, G.723.1, G.728, G.72 A
- Video Codecs - H.261, H.263, H.263+, H.263++, H.264
- Video Resolution - QCIF, CIF, 4CIF, VGA, SVGA, XGA and NTSC modes

Network protocols

- H.239 and Duo Video for presentation sharing
- H.235 Encryption (AES and DES)²
- T.120 for application sharing, whiteboard illustrations and text messaging³.

Video Quality

- QualiVision™ for highly improved, standard-based video quality in networks with packet loss
- QoS support with DiffServe, TOS, IP Precedence

Advanced Video Processing for all ports

- Continuous Presence, displaying up to 16 conference participants on one screen
- Video Transcoding (H.261, H.263, H.264)
- Rate Matching
- Text overlay (e.g. conference participant's name)
- 26 layout options including Picture-in-Picture
- Dynamic rollover
- Lecture mode

Physical Dimensions

- 19-inch, rack-mountable closed unit of 1U height

Environmental Requirements

- Operating temperature: 0°C to 40°C (32°F to 104°F).
Storage temperature: 25°C to 70°C (-13°F to 158°F), ambient
- Relative humidity: 5% to 90% non-condensing

INVISION Management Pack including:

Gatekeeper Functionality

- User configurable dial plan
- Authentication and directory service support with the H.350 standard

Network Management and Conference scheduling

- Complete network status and statistics including endpoint information
- Network-wide view of calls and conferences
- Central terminal configuration for Tandberg, Polycom, Sony and Aethra endpoints
- Element tree, map, table and customized views
- Display of events and errors received from elements for error management
- Easy Web-based scheduling and ad-hoc videoconferencing
- Microsoft Outlook scheduling option for complete office integration
- Meeting templates for personalized and easy scheduling

Power Module

- Input 100-240VAC Autodetect 50/60Hz

Warranty

One year return-to-factory

Extended warranties and support services are available on request

¹ INVISION Management Pack Software is shipped on a CD. A dedicated 1U chassis can be ordered separately with gatekeeper and scheduler pre-installed.

² Port capacity drops to half when using H.235 encryption

³ Multiparty T.120 requires optional data collaboration server (DCS)

More detailed information on RADVISION INVISION products is available from RADVISION sales agents or VARs, or by visiting our website at www.radvision.com