

TANDBERG Advantage: Video over IP



The most full-featured and robust implementation of Video over Internet Protocol (IP) in the video communications industry

THE BENEFITS OF VIDEO OVER INTERNET PROTOCOL

Video over Internet Protocol (IP) enables companies to implement high-quality, easy-to-use video communication over corporate LANs, WANs, and the Internet.

Video over IP promises an exceptionally high return on investment for companies that have already invested in IP infrastructure for IP telephony, e-mail, or other business applications.

OVERVIEW OF INTERNET PROTOCOL STANDARDS

IP

H.323 is an International Telecommunications Union (ITU) standard that describes protocols, services and equipment for packet-based (including Video over Internet Protocol) networks. H.323 specifies several standards to facilitate audio, video, and data communications between terminals on IP networks. All TANDBERG video communication systems follow H.323 standards.

SIP (IETF)

SIP is an Internet Protocol for setting up and tearing down sessions. A voice call would be a typical session. Other types of sessions include video, games and instant messaging.

While the standardization of video over SIP is far from complete, TANDBERG is a serious contributor to its standardization. The goal is to ensure interoperability and promote the inclusion of important value-added features. All TANDBERG MXP systems support SIP — making TANDBERG the only vendor with H.323, H.320, SCCP and SIP support.

EXTENSIVE AND ROBUST IMPLEMENTATION OF VIDEO OVER IP

TANDBERG offers the most feature-rich and robust implementation of standards-based (H.323 and SIP) Video over IP in the video communications industry. The following page provides a brief summary of the key IP features and functionality that TANDBERG provides.

TANDBERG SOLUTIONS

TANDBERG Advantage: Video over IP

Highlights

HIGH BANDWIDTH SUPPORT

To provide outstanding video quality, the large group TANDBERG 8000 MXP systems can run at up to 4 Mbps in point-to-point calls and up to 6 Mbps in MultiSite on IP and SIP, providing outstanding video quality.

IP AND MIXED IP/ISDN MULTISITE

TANDBERG was the first video communications vendor to enable users to easily mix IP and ISDN sites in the same meeting. TANDBERG MultiSite provides unparalleled multipoint audio and video call quality with video at 30 fields per second. Up to 6 video sites and 5 audio sites can be added in MultiSite. TANDBERG endpoints support transcoding and rate-matching in MultiSite calls.

SECURE CONFERENCE EMBEDDED ENCRYPTION

TANDBERG is the only company in the industry to offer standards-based (H.235) embedded encryption on IP with 56-bit DES and 128-bit AES. Embedded encryption is available in TANDBERG video communication up to 768 kbps.

DUAL STREAM TECHNOLOGY

TANDBERG MXP systems support H.239 and DuoVideo. Dual stream enables a presentation and presenter to be seen at the same time. Any live video source, including DVI-I input of the system, can be transmitted using the dual stream.

DIGITAL CLARITY

Digital Clarity transmits live images from PCs and document cameras at over five times standard video communication resolution (XGA). This enables the best video algorithm to be used for PC presentations (XGA) and face-to-face video (CIF/SIF).

EXPRESSWAY™

TANDBERG Expressway solves two of the industry's major issues: traversing firewalls and universal dialing. TANDBERG firewall traversal technology creates a secure path through the firewall barrier safely and seamlessly — for affordable, secure visual communication. Using URI-based dialing, TANDBERG provides a global, massively scalable dial-plan for end-to-end IP communications. This proven technology enables enterprises to communicate visually with other enterprises on varying dial-plans.

Please visit www.tandberg.net for more information.

TANDBERG WORLD HEADQUARTERS
Philip Pedersens vei 22
1366 Lysaker, Norway
Tel: +47 67 125 125
Fax: +47 67 125 234
Video: +47 67 117 777
E-mail: tandberg@tandberg.net

200 Park Avenue, Suite 2005
New York, NY U.S.A. 10166
Tel: +1 212 692 6500
Tel: +1 800 538 2884 (toll free in the U.S.)
Fax: +1 212 692 6501
Video: +1 212 692 6535
E-mail: tandberg@tandbergusa.com

www.tandberg.net