

TANDBERG Firsts

THERE IS SPECIAL VALUE IN BEING A PIONEER. WHETHER IT'S NEIL ARMSTRONG LANDING ON THE MOON OR SIR EDMUND HILLARY AND TENZING NORGAY ASCENDING MT. EVEREST, THE FIRST ARE REMEMBERED, FOR THEY SET THE PACE.



TANDBERG is the first provider to bring 3G devices into a full, end-to-end video solution.



TANDBERG was first to offer a complete line of HD systems, for the boardroom as well as the executive office.

TANDBERG is at the forefront of the video industry, consistently the first to deliver fresh functionality and realize new applications for multimedia collaboration. Our approach to research and development is designed to help customers be more productive. Through innovation, integration, and a commitment to our customers, TANDBERG has set the pace for this dynamic industry.

The list below represents a sampling of the "firsts" that have made us a pioneer.

TANDBERG was first to develop an end-to-end High Definition solution, with camera, infrastructure, and a range of HD systems for meeting rooms and the executive desktop.

TANDBERG was first to develop a video gateway that, combined with TANDBERG's Expressway™ technology for traversing network firewalls, allows 3G mobile phone users to reach any video system from anywhere.

TANDBERG was first to deliver a streaming and archiving server for the video industry that supports:

- Live dual stream content created in any application
- Fully synchronized streams
- Support for all major formats - Windows Media®, RealPlayer®, and QuickTime®

TANDBERG was first to extend a full video solution to collaboration tools such as Microsoft® Live Communications Server and Office Communicator, and IBM® Lotus® Sametime®. These integrations make it possible for users to move seamlessly from one tool to another by:

- Allowing Office Communicator to interoperate as a software video codec directly with TANDBERG endpoints.
- Integrating video endpoints as well as the TANDBERG Management System (TMS) with Office Communicator.
- Implementing Microsoft's authorization mechanism for SIP based endpoints into their own endpoints.
- Allowing IBM Sametime users to launch ad-hoc calls.
- Providing IBM Sametime users control of any endpoint managed by TMS.

TANDBERG was first to enhance security requirements to utilize AES and DES encryption, H.235 authentication for endpoints and infrastructure, and the 802.1x standard for IP networks. Users can protect the privacy of a video call as well as their valuable network resources.

TANDBERG was first to deploy a solution for IPv6, the next generation Internet Protocol, making more addresses available and providing greater 3G capability.

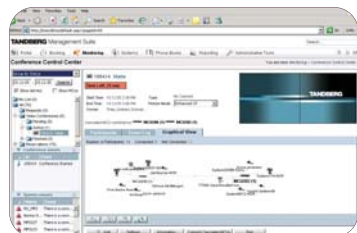
TANDBERG Firsts



TANDBERG was first to design a flexible, scalable solution for multipoint calls.



TANDBERG was first to offer the highest standard of encryption available to ensure privacy.



TANDBERG was first to introduce a management application (TMS) to manage a complete video network solution.

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TANDBERG was first to integrate fully with Cisco VoiceOver IP (VoIP) solutions, providing business-quality video that offers the same functionality and ease of use as a Cisco IP telephone. For the first time, TANDBERG's integration offered long-awaited features such as hold, transfer and directory services, to users of visual communication tools.

TANDBERG was first to introduce and implement a firewall traversal technology that creates a secure path through any firewall. Now the basis for industry-wide ITU standards, Expressway™ allows video users to communicate with suppliers, customers, and home workers over multiple protocols with full feature sets and functionality.

TANDBERG was first to design a flexible, scalable solution for multipoint calls that allows each participant to connect using IP, ISDN, or SIP simultaneously and utilize the highest bandwidth and protocol set available.

TANDBERG was first to implement true CD-quality Digital Audio to maximize the multimedia video experience and create higher-impact communication by:

- Raising the bar for high performance to 20kHz stereo audio, essential for sharing multimedia presentations with higher clarity and stereo sound.
- Using standard XLR, S/PDIF and RCA connections to ensure easy integration with external peripherals.

TANDBERG was first to support the H.263 video algorithm, and later first to support the H.264 video algorithm. Today these algorithms are standard across the entire spectrum of video endpoints and video infrastructure for both IP and ISDN calls, making it possible for users to experience exceptional video quality with lower bandwidth requirements and total cost of ownership.

TANDBERG was first to enable everyone in a video meeting to view a PC presentation, the presenter, and all meeting participants at the same time. With DuoVideo and a direct PC input, presentation sharing became available to everyone and meetings became more interactive and more productive.

TANDBERG was first to introduce a management application (TMS) to manage, schedule and monitor a complete video solution including MCUs, Gateways, Gatekeepers, and endpoints. It allows users to manage TANDBERG equipment as well as equipment from third-party vendors.

TANDBERG is a leading global provider of visual communication products and services. The Company designs, develops and markets systems and software for video, voice and data. With dual headquarters in New York and Norway, TANDBERG provides sales, support and value-added services in more than 90 countries worldwide.