

Vidyo for Mitel Unified Communications



Solution overview

Mitel® Unified Communications & Collaboration (UCC) solution delivers cost effective, intuitive video for meeting rooms, executive offices and individual desktop devices. Now, Mitel users can enhance their unified communications environment by integrating VidyoConferencing™ to deliver a telepresence quality experience.

Unlock the power of video conferencing. Everyone can enjoy a telepresence-quality experience whether they're connecting from a desktop in London, a smartphone in New York or a dedicated telepresence room in Singapore. High-definition video becomes a natural extension of the way people work, enabling "face-to-face" communication with colleagues, customers and partners to collaborate and accomplish great things.

With a focus on ease of use and investment protection, the joint Mitel/Vidyo solution integrates multipoint video as an integral part of Mitel's voice and collaboration platform and can be used with legacy video equipment. Because both Vidyo technology and Mitel's UCC are software-based, the video-enabled solution is highly flexible and suitable for public, private and hybrid cloud deployments.

One of today's leading business needs is the ability to empower organizational collaboration, both internally among employees and externally with partners, suppliers and even customers. The Mitel/Vidyo solution makes it easy to video conference with people you've never been able to before. It fully supports bring your own device initiatives by bringing business-class video conferencing to mobile devices and tablets in addition to desktop and in-room systems across any wired or wireless broadband link, including Internet or mobile networks.

Key Benefits

- Cost effective, scalable, telepresence video quality across large conference rooms, meeting rooms, executive offices, and desktop and mobile devices.
- Dynamic adaption powered by Adaptive Vidyo Layering™ technology and H.264 Scalable Video Coding (SVC) dynamically optimizes video quality based on network connectivity and individual endpoints to deliver a telepresence-quality experience to every participant.
- No need for expensive hardware or proprietary networks. Mitel unified communications and Vidyo Conferencing can be deployed on industry standard servers, within a virtualized environment or as a cloud service.
- Mitel's award-winning MiVoice Video Phone can be deployed as part of a Vidyo solution – perfect for meeting rooms and executive offices.
- Vidyo Conferencing integrates with Mitel's unified communications desktop client to simplify the user experience and enable users to escalate voice calls to multiparty collaboration sessions.



VidyoConferencing™ Infrastructure Products

Control access and delivery with innovative components that turn ordinary IP networks into sophisticated yet affordable video communication systems.



CLOUD VIDYOROUTER™ – is at the heart of the VidyoConferencing system. The VidyoRouter architecture leverages a patented Adaptive Vidyo Layering™ technology and the H.264 Scalable Video Coding standard to dynamically optimize video quality to the network and to the capabilities of each endpoint to deliver an optimal experience for each participant. Each VidyoRouter supports up to 100 concurrent HD connections, and when networked together, scale to support the largest deployments.



CLOUD VIDYOPORTAL™ – offers administrators tools to configure and manage endpoints, infrastructure, software and licenses; moderate conferences in progress; and configure multi-tenant features. VidyoPortal provides end users with self-service tools to host and manage conferences, speed dials and preferences, with no need for IT assistance. With the capacity to support tens of thousands of users, VidyoPortal delivers enterprise-class management tools in a 1U form factor, accessible through a browser-based interface.



CLOUD VIDYOGATEWAY™ – bridges traditional room systems with the higher performing, more scalable VidyoConferencing environment. It connects H.323 and SIP-based infrastructure and endpoints from vendors including Polycom™ and Cisco™, and supports critical features like H.239 data sharing and H.235 media encryption to ensure interoperability.



CLOUD VIDYOREPLAY™ – lets users record and webcast Vidyo conferences for off-line or real-time viewing. It features a web-accessible content management library with both on-server and network-attached storage options. Recorded and webcast video streams are in standard Flash format and can be viewed using any Flash-enabled browser.

Solution Components

- MiVoice
- MiCollab
- VidyoRoom
- VidyoDesktop
- VidyoMobile
- VidyoRouter
- VidyoPortal
- VidyoGateway
- VidyoReplay
- VidyoPanorama

VidyoConferencing Endpoints

Extend the same natural, high-quality experience to smartphones, tablets, laptops, desktops, appliance-based room systems and immersive telepresence solutions.



VIDYOMOBILE™ – is the soft-client app that turns iOS™ and Android™ smartphones and tablets into high performance telepresence endpoints. VidyoMobile provides exceptional versatility. In a dock, it's a desktop video phone. In your hands, it's telepresence on-the-go. Connected to a large screen display, it's a mobile room system. When you're on the road, Vidyo delivers HD multipoint video conferencing and collaboration wherever 3G/4G or WiFi mobile data service is available.



VIDYODESKTOP™ – is the soft-client application that turns Windows™, Mac™ and Linux™ based laptops and desktops into personal telepresence endpoints. VidyoDesktop features personal layout, "any participant" content sharing, and the ability to call another user, join a conference or invite a third party guest with the click of a button, all over general-purpose IP networks.



VIDYODESKTOP™ EXECUTIVE – allows priority users to connect from any VidyoMobile- or VidyoDesktop-enabled device without a concurrent use license. Extra benefit: VidyoDesktop Executive enables up to 1440P at 60 fps decode on capable devices, for full high definition per participant in a four-person continuous presence layout.



VIDYOROOM™ – is an appliance-based endpoint for fixed installation settings that delivers up to 1080P at 30 fps for lifelike performance over general-purpose IP networks. With support for advanced features like far-end camera control and seamless integration with all other endpoint types via Adaptive Video Layering™ technology, remote participants are made to feel as though they are in the room and engaged in the conversation rather than a third-party observer. Vidyo also partners with mobile cart providers to integrate HD-quality and advanced VidyoConferencing features into convenient portable room system solutions.



VIDYOPANORAMA™ – is designed for HD collaboration at 1080p60 resolution, with up to nine screens for participant video and multiple streams of shared content. VidyoPanorama connects to disparate endpoints from smartphones and desktops to room systems, in multipoint fashion, without the performance degradation caused by transcoding. With support for any combination of full-screen participant videos, VidyoPanorama is a perfect fit for a wide range of use cases including manufacturing operation centers, command and control rooms, virtual trading rooms, distance learning communities and more.