VidyoConferencing

Natural, Universal and Affordable HD Video Conferencing

Natural:
- Easy to use
- Low latency
- Life-like quality
- Integrates with workflow tools

Universal:
- Accessible from everyday devices
- Uses standard broadband private and public IP networks
- Scalable to provide everyone on-demand access
- Delivers high quality across all form factors

Affordable:
- Software-based for affordable maintainability and scalability
- Commodity computing platforms for both infrastructure and endpoints
- Pay as you grow

Video communication is changing the way people collaborate and interact. Geography becomes irrelevant, interactions become more personal, communication becomes more effective and people become more productive. But to harness the power of video conferencing, it needs to extend beyond the conference room and the corporate network. It needs to be accessible to anyone who needs it, wherever and whenever it's needed. Video conferencing should integrate with work flow rather than disrupt it. It should be intuitive to use so that the user focuses on the work at hand and not on the technology. And the video conferencing solution needs to scale cost effectively, regardless of the size of the organization. While traditional video conferencing solution providers call solutions that achieve all of the above impossible, futuristic, or next generation, our customers simply call it VidyoConferencing.

Vidyo has made telepresence natural, universal and affordable with its intuitive and flexible software-based solution that just plain works – simply and reliably. Vidyo's patented Adaptive Video Layering technology combined with Scalable Video Coding (SVC) enables participants and guests to join conferences from the office, at home, or on the road, using whatever IP network is most readily available and whatever device works best for their work flow – at any given time. VidyoConferencing uniquely delivers the same natural, high quality experience to smart phones, tablets, laptops, desktops, appliance based room systems and immersive telepresence endpoints, all in the same conference.

Concerned about your existing investment in video conferencing gear? Don't be. VidyoConferencing includes a solution to connect legacy endpoints and infrastructure so that you can grow with the higher performing, more cost effective Vidyo solution, while protecting your existing video conferencing investments.

Have an existing web-based user portal or need to customize the user interface to meet the needs of your user community? Vidyo has you covered here as well. With a tiered API suite offering, Vidyo's software-based platform integrates easily with other productivity or communication tools to optimize workflow and user experience for virtually any application.

VidyoConferencing at a Glance

Vidyo® Personal Telepresence

VIDYOCONFERENCING INFRASTRUCTURE

VidyoRouter — The VidyoRouter is the keystone component that makes scalable multi-party telepresence among disparate endpoints possible over converged IP networks. Each VidyoRouter is capable of supporting up to 100 concurrent HD connections. VidyoRouter Cloud Edition is a deployment option that enables you to network multiple distributed low-cost VidyoRouters to achieve unparalleled scalability, while minimizing WAN bandwidth requirements between locations and delivering seamless and secure firewall traversal without the need for additional infrastructure.

VidyoPortal — The VidyoPortal delivers supreme convenience and flexibility in accessing and managing the VidyoConferencing system for users and administrators alike. VidyoPortal is accessed from any computing device with a web browser and a network connection. Users can initiate and manage their own conferences with ease and Administrators can perform all operations, administration and management functions from one convenient, ubiquitously accessible location.
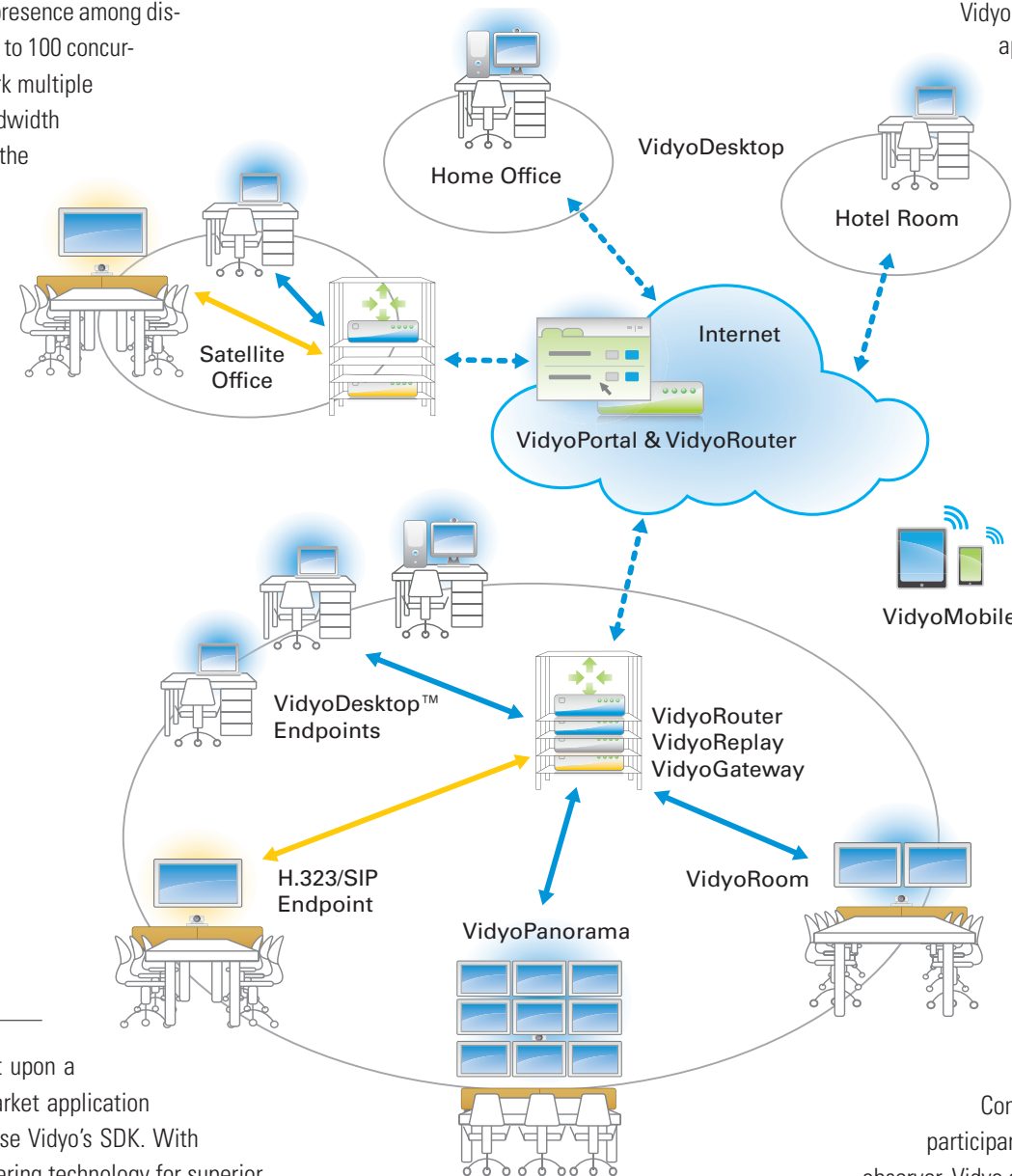
VidyoGateway — The VidyoGateway provides the migration path from your existing H.264/H.263 based video conferencing deployment to higher performing, lower cost VidyoConferencing. VidyoGateway provides connectivity to your H.323 and SIP based Cisco and Polycom endpoints and infrastructure. With support for critical features like H.239 data sharing and H.235 media encryption, VidyoGateway makes your transition to the user friendly VidyoConferencing environment painless.

VidyoReplay — The VidyoReplay enables recording and webcasting of your Vidyo conferences for off-line viewing or real-time, some-to-many communication. VidyoReplay provides a web browser accessible content management library with both on-server and network attached storage options. Since the recorded and webcasted video streams are in standard Flash format, they can be viewed using any Flash enabled browser.

VIDYOCONFERENCING TECHNOLOGY

Vidyo's SDK — As a software-based solution, all of the VidyoConferencing products are built upon a powerful and flexible technology platform known as Vidyo's SDK. Communication and vertical market application solution providers looking to add best-of-breed video conferencing to their existing platform license Vidyo's SDK. With the SDK, developers can build both infrastructure and endpoints with patented Adaptive Video Layering technology for superior performance over lossy networks and native support for mixed endpoint environments. The SDK offers multiple levels of entry to match the required level of customization as well as time to market goals.

Vidyo's API Suite — While the SDK is great for building a custom communications tool, Vidyo's has APIs that are designed for those who simplly need to integrate the user access capability into an existing web portal. Vidyo has a full suite of web services APIs to enable developers to customize the user experience to the target application. Vidyo also offers a complete suite of client APIs to enable developers to build their own endpoint, allowing development of soft-clients that have a completely different look and feel than VidyoDesktop or VidyoMobile. Whether you're looking to do some basic skinning and branding or completely change the user experience, Vidyo's tiered API offering enables you to get exactly what you need.

Diagram labels

VidyoDesktop

Home Office

Hotel Room

Satellite Office

Internet

VidyoPortal & VidyoRouter

VidyoMobile

VidyoDesktop™ Endpoints

VidyoRouter VidyoReplay VidyoGateway

H.323/SIP Endpoint

VidyoPanorama

VidyoRoom

VIDYOCONFERENCING ENDPOINTS

VidyoConferencing is the only currently available solution that enables smartphones, tablets, laptops, desktops, appliance based room systems and immersive telepresence systems to connect in the same conference — all via a common infrastructure without performance degrading transcoding.

VidyoMobile — Who says you have to sacrifice performance to go mobile? 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. VidyoMobile integrates with your workflow, wherever it may take you.

VidyoDesktop — 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. HD video conferencing has never been more accessible or as easy to use.

Executive Desktop — Concurrent use licenses are great because you can leverage the same resource across multiple users at different points in time. But, if you have users who can't afford to be blocked when all concurrent licenses are consumed, the Executive Desktop user license allows the priority users to connect from any VidyoMobile or VidyoDesktop enabled device without requiring or consuming a concurrent use license. What's more, it super-charges the user's VidyoDesktop to enable up to 1440P at 60 fps decode on capable devices (that's full HD per participant in 4 person continuous presence layout). Only Vidyo delivers this level of performance today.

VidyoRoom — Physical meeting spaces for people in the same location to gather and collaborate are critical for most organizations, but not everyone can be physically present in the room. VidyoRoom is an appliance based endpoint for fixed installation settings that delivers up to 1080P 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 provide portable performance in any room.

VidyoPanorama — Forget what you think you know about telepresence. VidyoPanorama redefines the space by delivering unparalleled flexibility and performance at a completely disruptive price point that makes immersive interaction affordable. Real-world collaboration and workflow doesn't naturally take place between a pair of three-person studios. VidyoPanorama is the only immersive telepresence solution that connects to disparate endpoints from mobile to desktop to room systems, in multipoint fashion, without the performace degredation caused by transcoding. Additionally, with support for up to 9 screens of any size and any combination of full screen 1080P60 participant videos, multiple shared content streams, and continuous presence participant streams, VidyoPanorama is fully customizable to the needs of the application.

UNIFIED COMMUNICATIONS AND COLLABORATION INTEGRATION

VidyoConferencing is an enormously useful productivity tool in its own right, but when you combine it with other communication and collaboration tools in your environment, it gets even better.

Microsoft® Lync™ and IBM Sametime® – Unified communications platforms do a lot of things well — chat, presence, and VoIP — but the included video communication is very limiting in terms of user experience, quality, performance and flexibility. Vidyo delivers the best of both worlds with its software plug-in integration allowing users to launch Vidyo conferences from their UC contact list. Participant status indication even changes to "busy" while they are in the Vidyo conference and returns to available when they disconnect.

Adobe® Connect™ – Whether you are teaching a class or managing a product launch, web conferencing collaboration facilitates real-time content presentation and manipulation among remote parties. Vidyo has developed a pod for Adobe Connect 8 that enables meeting hosts to add more personal, face-to-face interaction to any meeting with HD quality VidyoConferencing. The host can moderate the meeting from within the Adobe Connect environment through a full set of controls in the pod. The pod brings together best-of-breed web and video conferencing with the click of a mouse.

White Boarding – Having a face-to-face discussion in person or via Vidyo improves communication significantly versus audio only because our brains are wired for visual communication. So what happens when we want to use visual media to communicate a point, but some people are in the room and others are joining remotely via Vidyo? Vidyo has integrated with off the shelf intelligent white boarding technologies so that ideas drawn or written on a board are as clearly visible to remote participants as they are to the participants in the room — without taking the in-room camera off of the local participants.

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