

WebRTC – Based ClientLess VIDEO CONFERENCE

Make the Right Impression

Collaborate with your team like never before. On inVC, you can give presentations, have productive discussions, and come up with the next great idea for your business! It is a video conferencing software that provides multi-party conferencing, unmistakable audio clarity and video quality of upto 4K resolution, and the ability to function on optimized bandwidth.



WebRTC Technology

- All major devices. all major operating systems.
- No software downloads, no plugins. Conference directly from your browser.
- No login required.
- Conference directly from your browser.

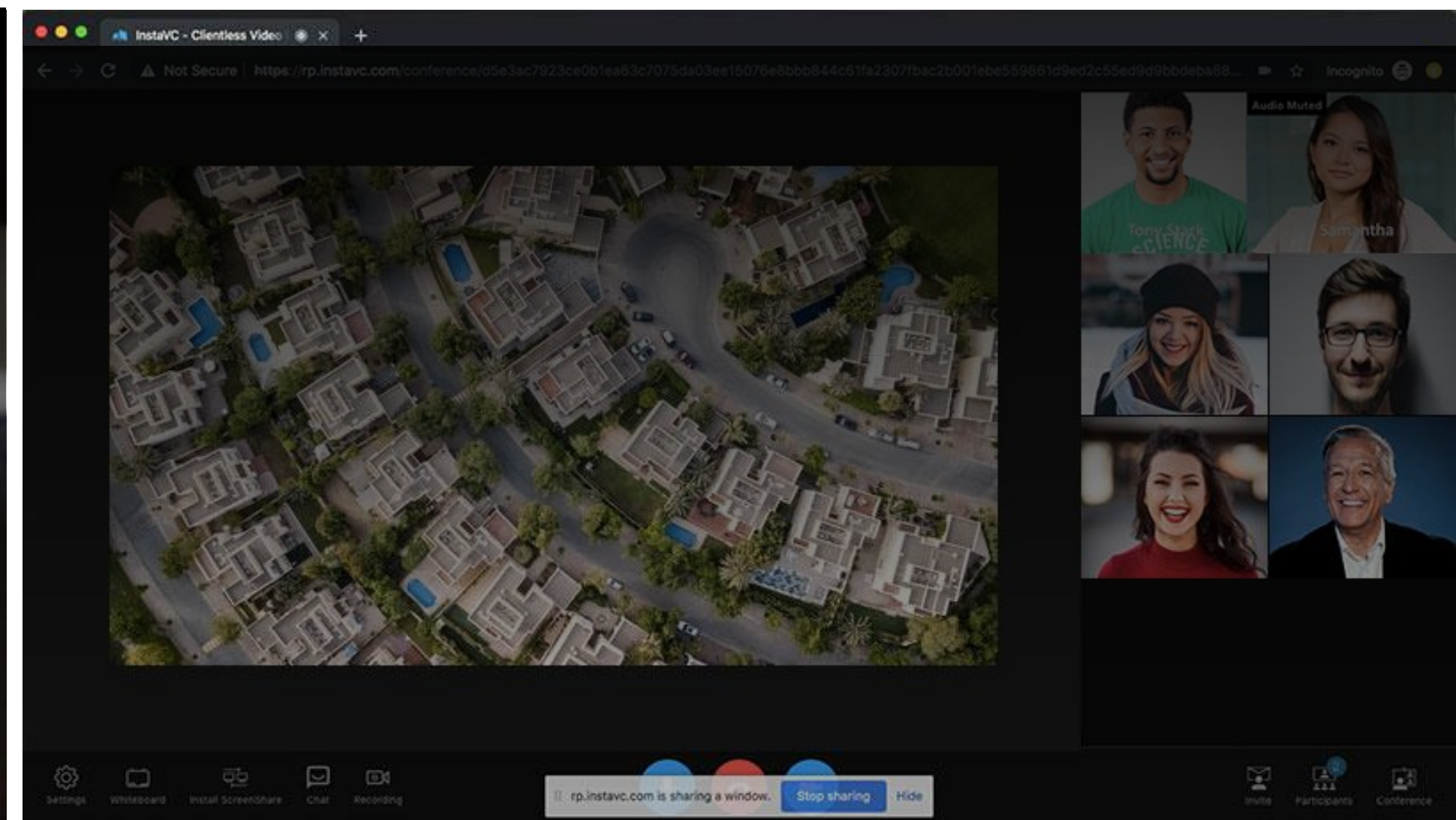


As a moderator get control over all the participants of the meeting.

- Grant access to people who wish to join the meeting.
- Mute a participant.
- When participants use the hand-raise, decide who gets to speak.

Low Bandwidth

- Conference on the Go.
- Works perfectly in remote areas.



As a presenter, take centre stage

- Share your screen with all the participants in the meeting.
- Share important documents, images and videos, and PDFs with participants.
- Also share access to a specific program such as Microsoft Word and PowerPoint, without giving access to the rest of your PC.





Scalable Video Codec:

InVC Leverages Scalable Video Coding (SVC) to encode video into separate layers. The amount of video layer information can be increased or decreased as needed to deliver the optimal video stream by varying resolution and frame rate.

InVC Routing Technology:

InVC routing core receives video from all endpoints and adapts the outbound video for each endpoint receiving video. It dynamically adapts the video sent to each endpoint based upon available bandwidth, CPU strength, and window size.

Firewall Traversal:

Connect seamlessly through NAT, firewalls, and proxies using ICE and websockets.

Dynamic Video Optimization:

Calls are continuously optimized to deal with challenging network connections ensuring consistent user experience.





inVC With-in The Organisation

Host from anywhere

Easy mobile access enables you to seamlessly host a conference from anywhere, at anytime.

Control & Co-ordinate

With Host Control option, decide whose screens should be visible, whose mics should be switched on, and who can share their screen.

Explain Ideas Better

Draw diagrams, flow-charts and graphs during a video call with the help of the Whiteboard.

Give Effective Presentations

With screen sharing, show the audience slides, images, videos and other important content from your screen.

Get Participants Feedbacks

Know what participants' opinions on important matters are by quickly conducting polls and surveys.

Record & Save

InVC provides conference recording and anytime access for your recorded conferences.



inVC For Client Communicaitons

Avoid Client Cancellation

Allow clients to choose the date and time of a meeting as per their convenience via scheduling.

Maintain Client Attention

With the intelligent sync ensure that the client is focused on the exact part of the screen you want him/her to focus on.

Instant Data-Share

Send messages, images, videos and other important documents with the client during the conference call via chat.

Setup Easy Conference Calls

Send clients a customized link to join the conference, they don't require to install an app or sign up for participating.

Distinguish Your Brand

Incorporate logo and colour palettes to maximize the impact of your business via custom branding.

What Makes inVC So Effective?

Conduct Meeting At Low-Bandwidth

InVC functions on optimized bandwidth ensuring that users always have a smooth experience.

Access From Any Device

InVC is a robust software that is compatible with smart phones, tablets and laptops. All software updates are automatic.

Adaptive video quality switch based on window size :

Small video windows don't need high quality video streams so we can switch to lower quality streams according to video container sizes on screen

Get Started Immediately

A user-friendly interface enables users to quickly understand how to use the software. If lost, the built-in quick search option helps you on your way.

Grow As Your Organisation Expands

InVC is scalable and can easily adapt to the increasing size of your organisation, from a handful of users to thousands. It provides seamless experiences to everyone.

Ensure Data Security

All content on delivery is protected with AES 128-bit encryption, effectively minimising security breaches

Customize Your Package

InVC offers predefined packages, but is adaptable in its pricing to develop a package that meets your organization's specific requirements.

Quick Connect To Support Team

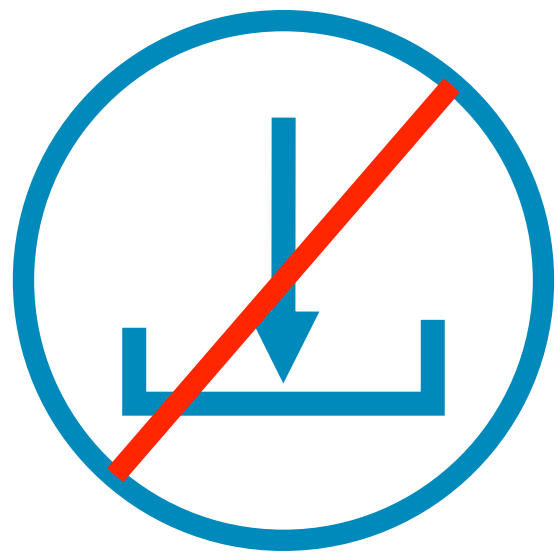
Support team helps to setup meetings for your organization and offers training and provides support if there be any issue.

SFU Simulcast and SVC support (To provide different clients with different bandwidths)

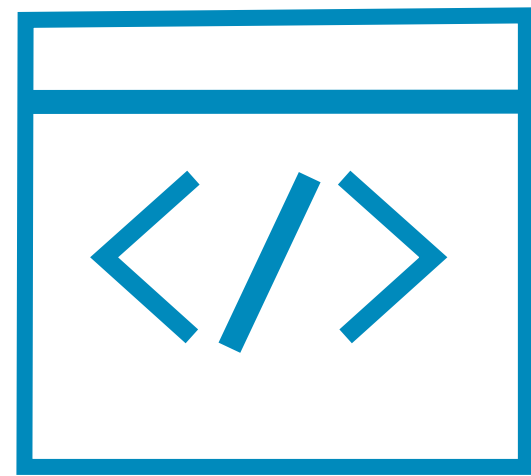
SVC technology generates multiple video stream layers: from the main stream (with the lowest bitrate) to many additional layers, allowing to drastically improve the final picture quality on compatible devices. At the same time, not only the total bitrate increases, but it is also possible to raise the video frame rate (for example, from 15 fps to 60), boost the resolution to 4K and adjust the compression ratio.



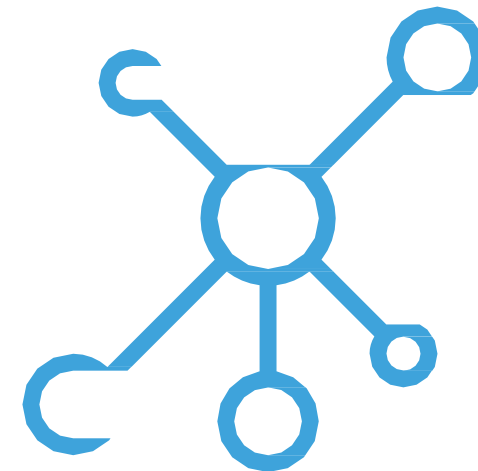
Highlight Features!



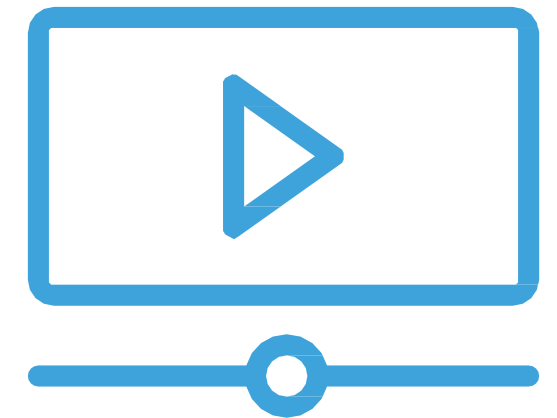
No-Downloads



Supports On Any WebRTC
Capable Browser



Application Sharing



Presentation Sharing

All Features

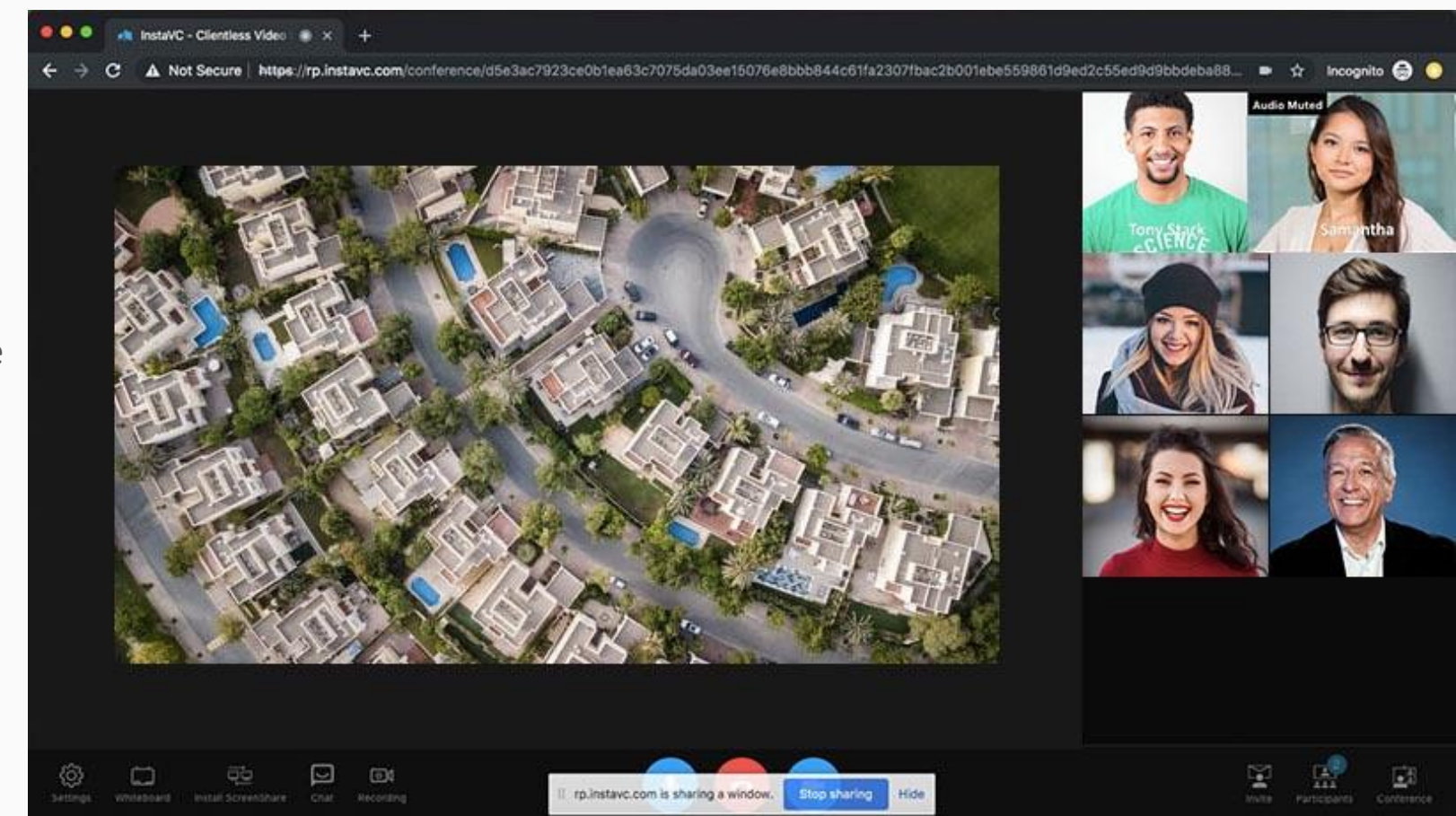
On-Premise / Cloud Video Conferencing

- WebRTC based client-free video conferencing
- Continuous presence upto 16 participants
- Supports ultra HD 4K (min. 10Mbps required), FullHD 1080p (min. 2.5 Mbps required), HD 720p (min. 1.4 Mbps required), VGA 480p (min. 512 kbps required) and SIF 240p (min. 256 kbps required)
- Dedicated virtual rooms with conference access anything without scheduling
- Conference room User management with complete user profile information directory
- Conference scheduling with recurring schedule support
- Presenter Mode with intelligent Sync that takes attendee to the same location as the host without screen-share (not using unnecessary video bandwidth)



Collaboration Tools

- Screen-share / Document share / Presentation share / Application share / Multiple Screen-sharing
- Ability to stop screen-sharing of the participants as a host
- Interactive whiteboard with stylus and mouse inputs (draw shapes and text)
- Group chat with ability to share any document or image file (upto 20 MB)
- Option for anyone to become host in one click Conference mode with auto layout switching and Fullscreen mode
- Local self-mute and Option of muting all the videos in a single click
- Guest invite through one click invitation link via email from the system
- Multiple views : Tile View and Speaker View
- Multi Camera Feature (up to 4 Cameras)
- Key shortcut space bar for audio mute
- Raise hand



Intelligence

- Voice activated layout switch (VAD)
- VAD Indicator for user in focus
- Firewall traversal through Proxy
- Automatic hardware device detection Multiple camera detection
- Automatic layout switching
- Presence bases contacts and private chat
- Sender and receiver bandwidth estimation with spatial/temporal layers distribution algorithm.
- Configurable audio settings (echo-cancellation, Noise Suppression etc.
- Audio auto mute/unmute based on volume
- Configurable audio output device (in supported browsers)
- Keyboard shortcuts: Keyboard shortcuts for Video-Audio Mute/Unmute, Changing Layouts etc
- Sender and receiver bandwidth estimation with spatial/temporal layers distribution algorithm.



Conference Architecture

- Complete SFU (Selective Forwarding Unit) only
- Distributed conference architecture
- High availability (quick re-connection in cases of shut down)
- Dynamic resolution switching during video call Bandwidth management option
- **Video CODEC Supports:** H.264/H.264 AVC/VP8/VP9
- **Audio CODEC Supports:** OPUS
- Incoming video frame rate management (quality vs. speed) option
- Rich Conference Controls for Host
- Option of changing no of visible videos at each user level which can reduce lots of bandwidth and device performance
- Waiting Room and Lock Conference
- Multi-stream: multiple audio/video streams over a single ICE + DTLS transport.
- IPv6 ready.
- Simulcast and SVC support.(To provide different clients with different bandwidths)
- Multiple aspect ratio 16 : 9 and 4 : 3



Customer Service & Feedbacks

- Hardware and software Troubleshoot tool - Troubleshoot Microphone, Camera, Network, Connectivity and Throughput
- Multi-language support at Application level (English and Hindi available)
- Issue Ticketing system for cloud
- Offline customer care support
- Video conferencing user feedback survey creation options

Enterprise Grade Security

- 128-bit AES encryption TTLS for video security
- SRTP for transportation security
- CSRF protected



Devices & IOS Support

- Works on all operating systems (Windows, MacOS and Linux via full WebRTC supported browsers like Google Chrome)
- Android and iOS Apps will be available soon on Google Play store and Apple App store (whiteboard and screen sharing not available for mobile; screen sharing not available in tablets)



Other Features

- Reconnects properly if the client loses connection
- Ability to give roles to users
- switching of own video mirror in settings
- Option of hiding of self videos
- Profile image when video is disabled.
- Join Audio capability
- Video and Audio Statistics
- Quality indicator on videos
- Notifications
- Audio meter
- Localisation
- Several configurable options
- LTI integration for LMS systems like Moodle



Should I need an On-Cloud or On-Premises Setup?

For on-cloud deployments, there is no requirement for software installations. Video Conference cannot work without an Internet connection, but with Internet connection anyone can join the video conference from any location.

An on-premises setup means that video is installed separately on the organization's systems, hosted on the private server, and works perfectly on the local area network.

When it comes to choosing between a cloud-based meetings setup and an on-premises setup for your organization, there are three key factors to consider.

Security & Data Backup

As Meetings will be hosted on your server on-premises, the safety of your data will be entirely your responsibility. On Cloud, Meetings is hosted on our servers, and we promise an enterprise grade security system with end-to-end encryption and protection from loss of data.

Deployment Time

Deployment on Cloud server is instant as it does not require any IT interference from the client side. On-premises, due to the degree of customization and integration with client IT infrastructure, the standard deployment time will depend on the size and complexity of the client organization.

Upgradations

On Cloud, software upgrades happen automatically, and on a regular basis to enhance user experiences. On-premise, the software upgradations work on an on-demand basis and over a higher degree of customization.



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