

Collaboration
Solutions
Portfolio

TrueConf





Video Collaboration Without Limits

TrueConf provides award-winning video conferencing software to connect together rooms, desktops, mobiles, H.323/SIP endpoints, popular web conferencing services and much more across your entire organization.



Workplaces



Webinars



On the go



Meeting rooms



TVs

Tens of thousands of companies around the world trust us. TrueConf solutions are powered by 100% scalable software technology and available as an on-premises server and a set of client applications for all popular platforms.





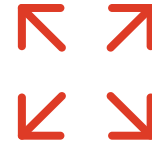
Key Advantages

New Generation Infrastructure



TrueConf makes MCUs obsolete. The scalable video coding approach eliminates the need for transcoding of multipoint conferences and dramatically reduces infrastructure costs.

Scalable Architecture



TrueConf can host hundreds of conferences and thousands of users on a regular PC. Server instances can be joined together to scale infinitely.

UltraHD Video Quality



Thanks to TrueConf's native support for UltraHD video conferencing, you can finally make use of a fancy 4K screen or a video wall in your conference room.

Up to 800 Participants



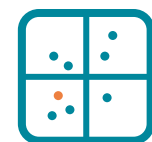
Get everyone on video. TrueConf's meetings allows you to connect up to 800 users in a single conference with up to 36 participants on screen.

Secure Communications



TrueConf Server runs autonomously within the company's network, you have complete control over your communications. In addition, all communications are encrypted using AES.

Industry Recognition



Powered by award-winning video conferencing technology, TrueConf was honored to be recognized in the 2019 Gartner Magic Quadrant for Meeting Solutions.



Easy-to-Use Applications



For Windows



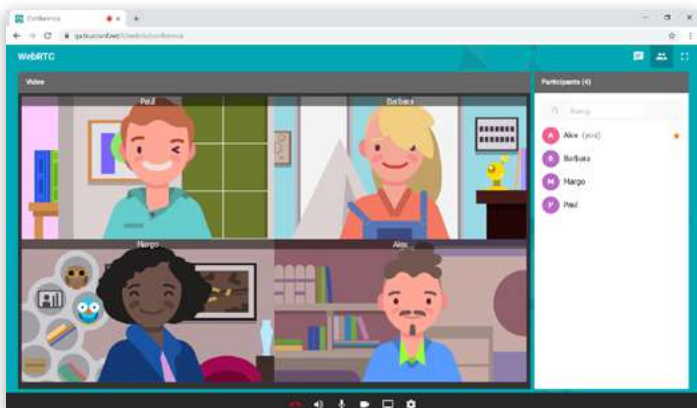
For macOS and Linux



For Android



For iOS and watchOS



For browsers



For rooms & Android TV



Rich Collaboration Tools



Presence

Development department 5/7 ▾

- Ariana Wallace
wallace
- Ian Taylor
taylor

Every client application has an address book displaying users, their statuses, room endpoints, VoIP devices and groups.



Team Messaging

Kevin Smith


12:33 Any updates on the project?

Multiple personal and group chat sessions with file transfer and media sharing are available for users on every platform.



Telephony

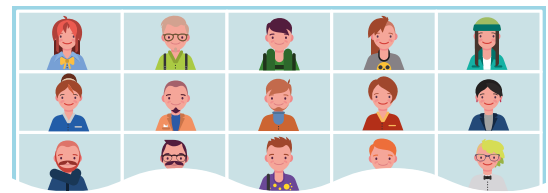
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
* ^	0+	#



You can connect your VoIP service provider or PBX to TrueConf Server and use the dialpad in client apps to access telephony.



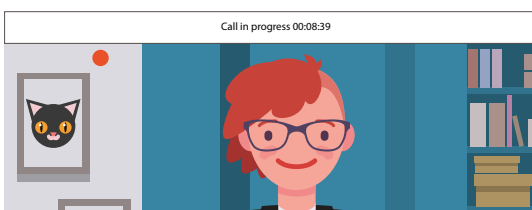
Infinite Layouts



All meeting participants can individually select and customize video layout the way they prefer. Just drag and drop the video windows across one or multiple screens.



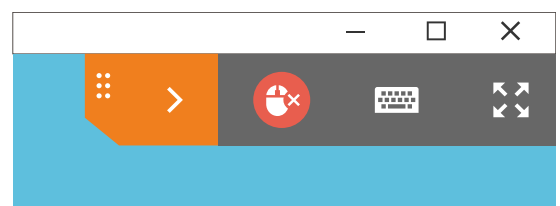
Recording



Record point-to-point and group video conferencing sessions on your PC or set up rules for recording on the server side.



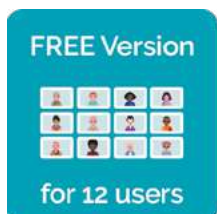
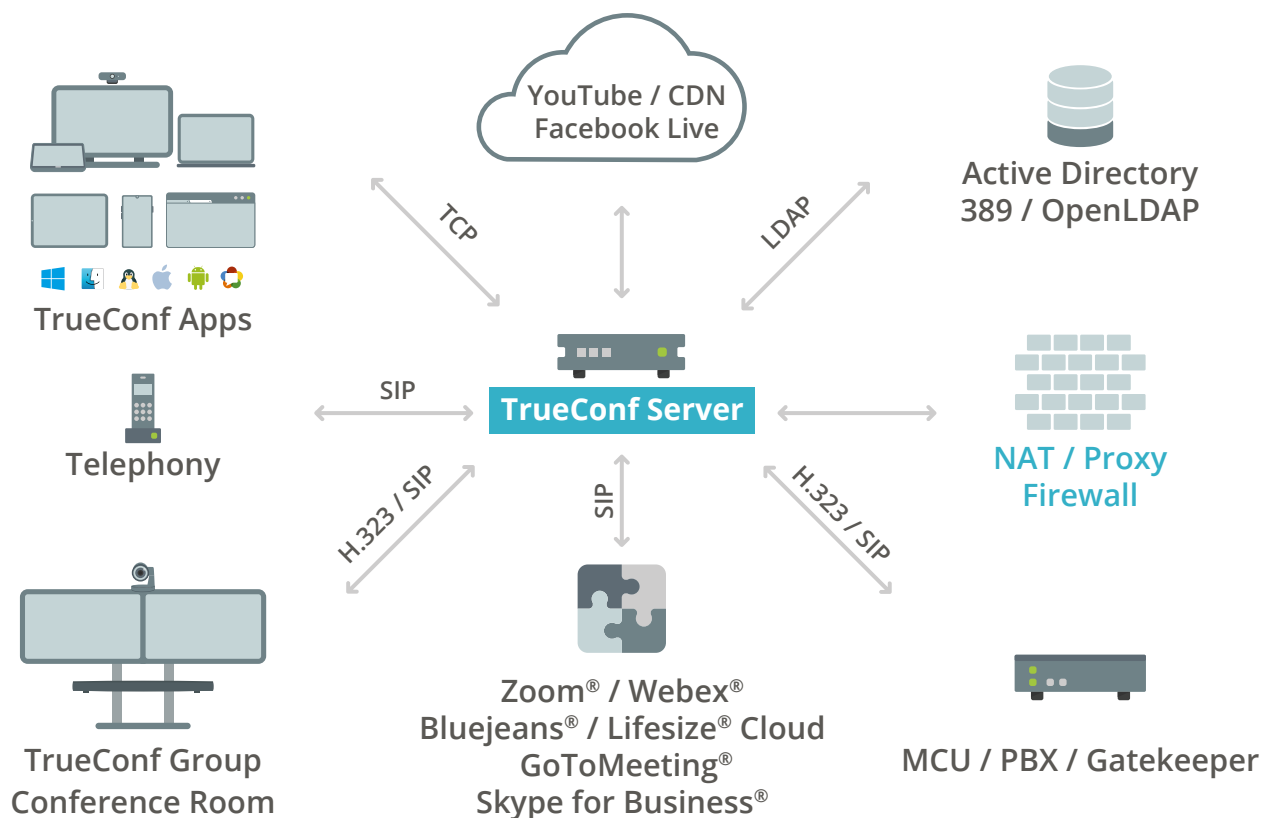
Remote Control



Share slides, application and your desktop from any platform, or take control of the shared screen to provide remote support.

On-Premises TrueConf Server

TrueConf Server is the answer to all your video collaboration needs. A pure software solution based on state-of-the-art technology with infinite scalability and interoperability possibilities.



- Up to 36 participants on screen
- Up to 800 users per conference
- Up to 10,000 accounts per server
- H.323/SIP/Skype for Business® gateway
- Recording and streaming support
- UltraHD calls and conferences
- Active Directory & LDAP integration
- Built-in web conferencing platform
- High performance with GPU acceleration
- Runs on a regular PC, low infrastructure costs



Out-of-the-box Interoperability

Standards-Friendly



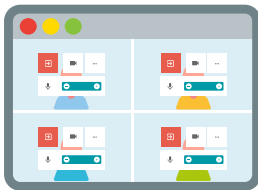
The built-in gateway provides complete integration with third-party endpoints, MCUs and gatekeepers via SIP, BFCP, H.323, H.239, FECC and other protocols.

Active Directory



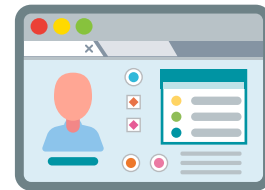
Connect Active Directory or any other LDAP compatible catalogue to TrueConf Server. All user info and user groups will synchronize automatically.

Remote Management



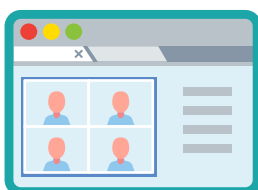
Allows administrators to manage and troubleshoot conferences in real time: assign roles, create custom layouts, change active mics and cameras, invite missing users, etc.

Personal Area for Users



Dramatically saves time for system administrators by helping users to do typical tasks such as conference scheduling and address book management.

Web Conferences



Native WebRTC support and great UI help users host web conferences efficiently. We also take care of mobile users and browsers which don't support new standards.

Web Meeting Connector



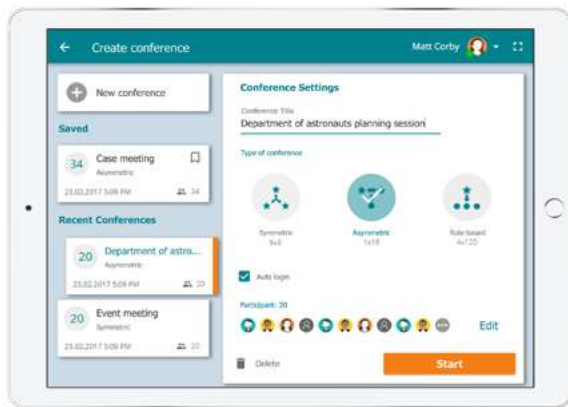
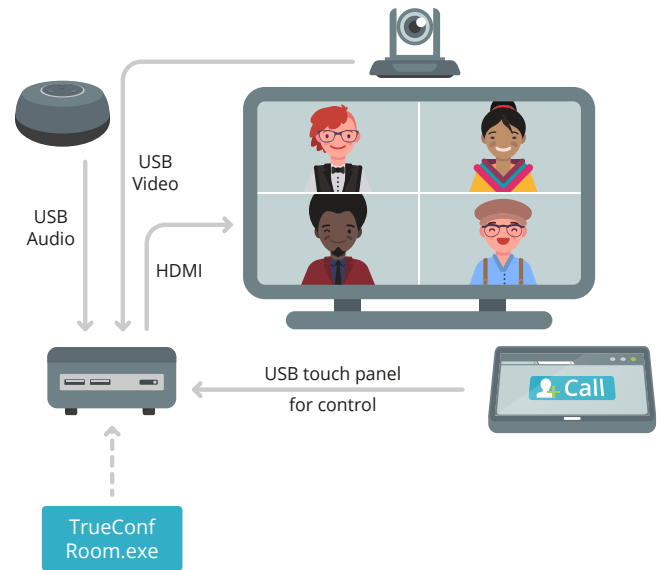
TrueConf lets you join any meeting held on third-party video conferencing platforms such as Zoom®, Cisco Webex®, BlueJeans® Meetings, Lifesize® Cloud or GoToMeeting®.



TrueConf Room Software

Better Room Experience

Create collaborative meeting space with flawless video and audio using TrueConf Room! It is easy-to-use software for rooms that turns a regular Windows PC into a **4K video conferencing endpoint**.

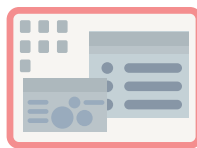


Easy to Set Up and Control

To start your meeting, install TrueConf Room on a Windows or Linux-based PC, connect a speakerphone, a camera, and TV. Control TrueConf Room using USB touch panel, laptop or your smartphone.



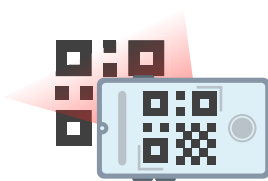
Dual screen support



Content capture & slideshow



Works with any USB peripherals



Use your phone for control



Compatible with Lenovo® ThinkSmart, HP® Elite Slice and other touch screen controls

trueconf.com/go/room



TrueConf Group

TrueConf Group is a video conferencing endpoint for medium to large meeting rooms. TrueConf Group features native support for SIP and H.323 protocols with the built-in MCU. Thanks to the modular approach, the endpoint can be equipped with various AV peripherals while delivering FullHD video and crystal clear audio.



Dual screen and content sharing support



Easy-to-use IR remote control



Video call and conference recording



Far-end and local camera control

MCU

Built-in MCU for 12 FullHD connections



Customizable and powered by Linux



Quality and Reliability

TrueConf Group performs well in low bandwidth. Built-in noise reduction and echo cancellation provides high-quality audio, while H.265 video codec guarantees FullHD quality using half of the bandwidth compared to traditional room systems.

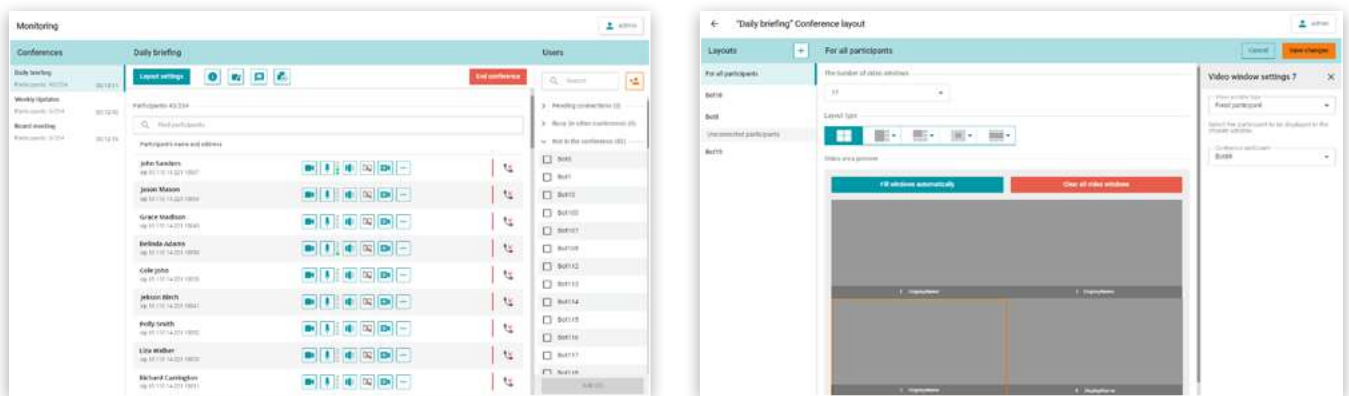


Ease of Use

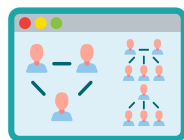
TrueConf Group offers a wide range of collaboration tools for every need. Attend video meetings, share content, show slides, and control video layouts. Address book with call history will make your workflow even more efficient.

TrueConf MCU

A reliable software MCU server for legacy SIP/H.323 equipment. Allows to host video conferences on dedicated or virtual Linux machine and provides scheduling, monitoring and recording capabilities.



Up to 64 participants in a single conference and 256 in cascading mode



25 individual layouts available for continuous presence and role-based conferencing modes



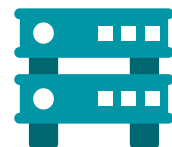
Great video quality up to 1080p60



Full compatibility with most video conferencing endpoints



Supports content sharing and far-end camera control

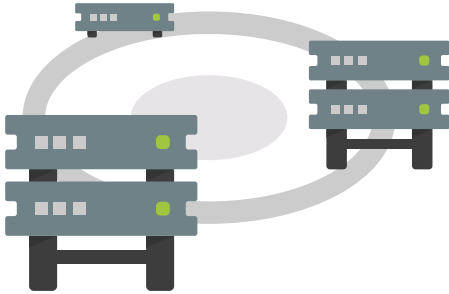


Provides seamless integration with TrueConf Server

trueconf.com/go/mcu



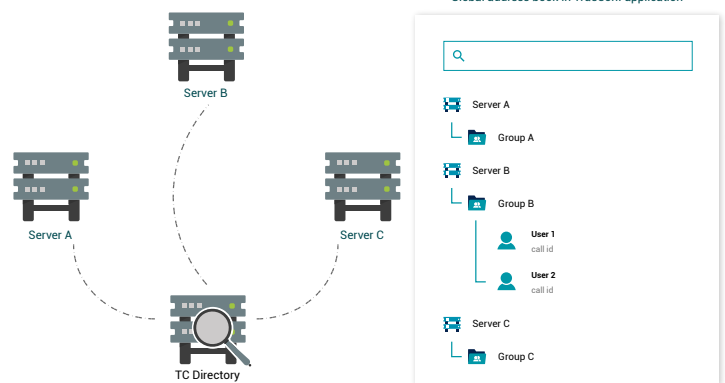
TrueConf Enterprise



Allows customers to effectively manage and scale video conferencing infrastructure across large organizations and complex networks.

TrueConf Directory

TrueConf Enterprise add-on that integrates several video conferencing servers into unified address space with global user directory.



Shared License Manager

License usage

	Online users	Guest users
In total	10	10
Used by this server	5	0
Used by connected partners	0	0
Available for use	5	10

Shared license distribution

[Add a server](#)

Show only use shared licenses only for the server from the list

Server name	Online users	Guest users	H.323/SIP connections	TrueConf Terminal Pro C...
10.0.0.10	2/10	0/4	1/10	0/10
10.0.0.11	3/10	0/10	0/10	0/10
172.17.10.21	0/1	2/1	2/1	0/0
192.168.0.11	1/2	0/2	0/2	0/2
192.168.22.12	0/10	2/10	0/1	0/1
test-server	2/10	0/4	1/10	0/1
test-server-10	0/10	0/4	0/10	0/10
test-server-11	0/1	0/1	0/1	0/1
test-server-12	0/2	0/2	0/2	0/2

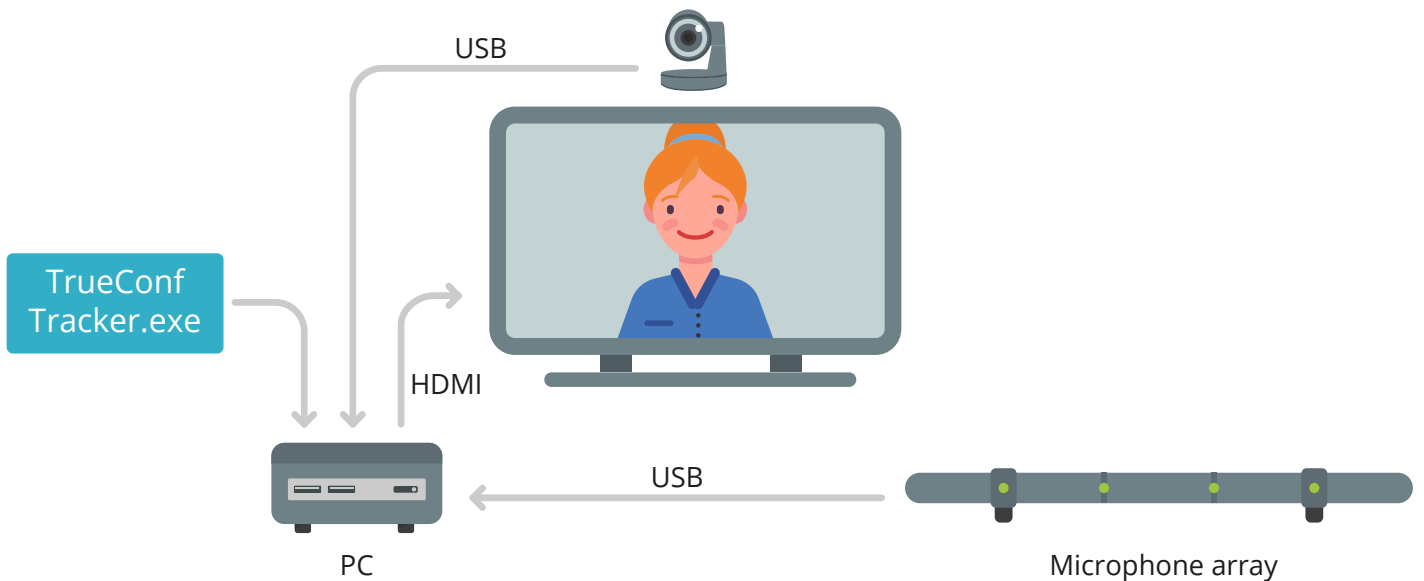
Total: 0

TrueConf License Manager

TrueConf Enterprise add-on that automatically distributes licenses between multiple servers based on the video conferencing usage and individual set of parameters for each TrueConf Server instance.

TrueConf Tracker

Convenient and cost-effective PC software for small to medium-sized meeting rooms to automatically track speakers using beamforming technology and any PTZ camera.



- Automatically tracks speakers in a room
- Uses microphone array beamforming
- Designed for Phoenix Audio® Condor
- Suitable for small & medium rooms
- Works with any PTZ or ePTZ cameras
- Free software for Windows



Phoenix Audio® Condor (MT600) microphone array

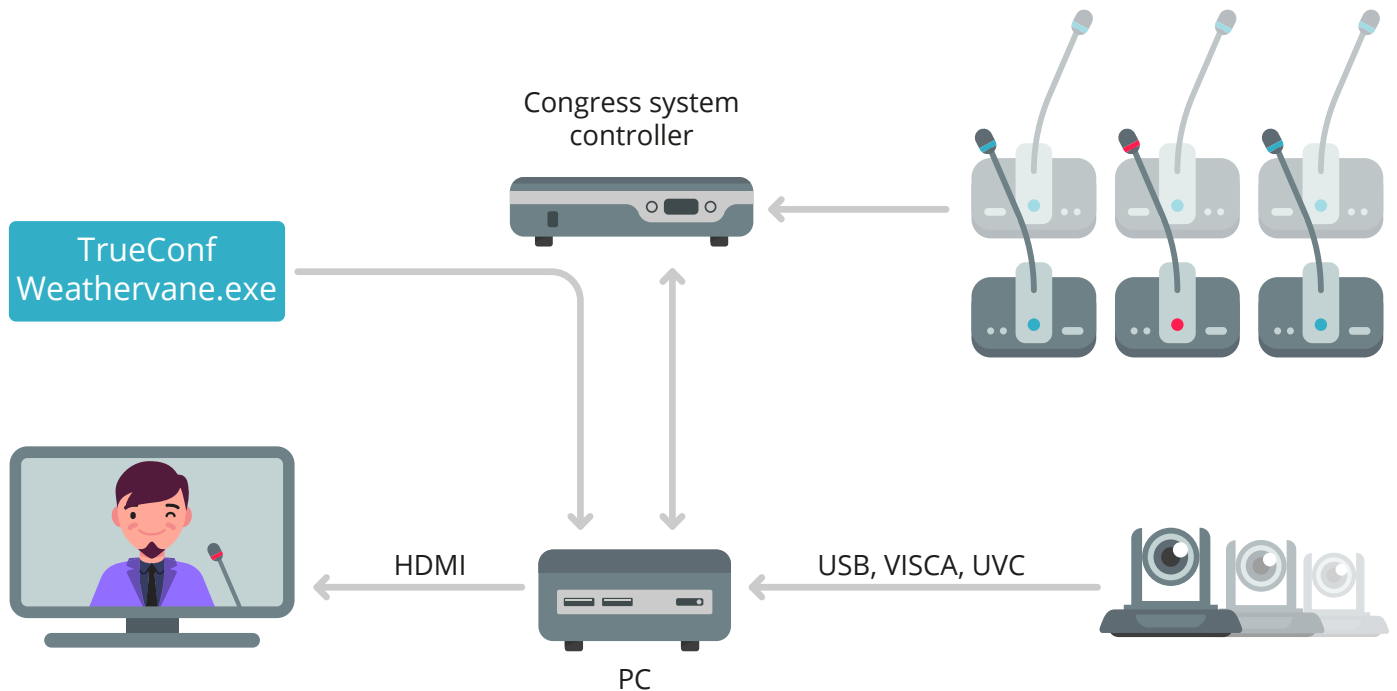


any PTZ camera

trueconf.com/go/tracker

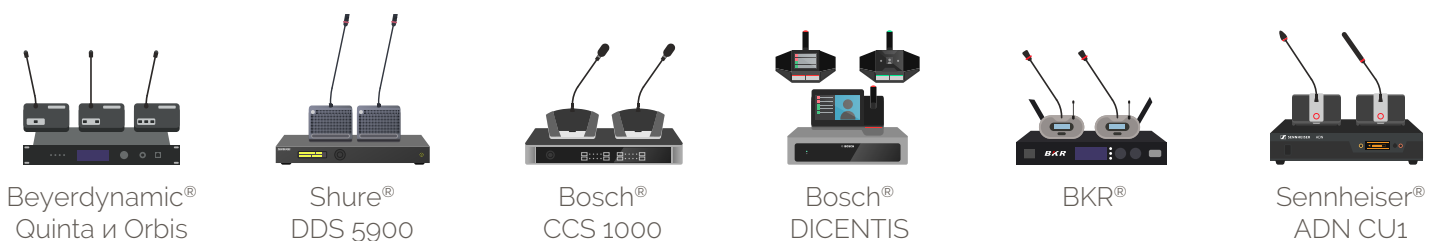
TrueConf Weathervane

A multiple camera control system for large conference & meeting rooms. Easily integrates with discussion systems and video conferencing endpoints to automatically track speakers.



- Select speakers using multiple PTZ cameras
- Designed for large and complex rooms
- For conference systems: Bosch®, Sennheiser®, Shure® and Beyerdynamic®
- Supports up to 10 PTZ or web cameras
- Easy UI and unlimited number of presets
- Free software for Windows

Compatible Systems

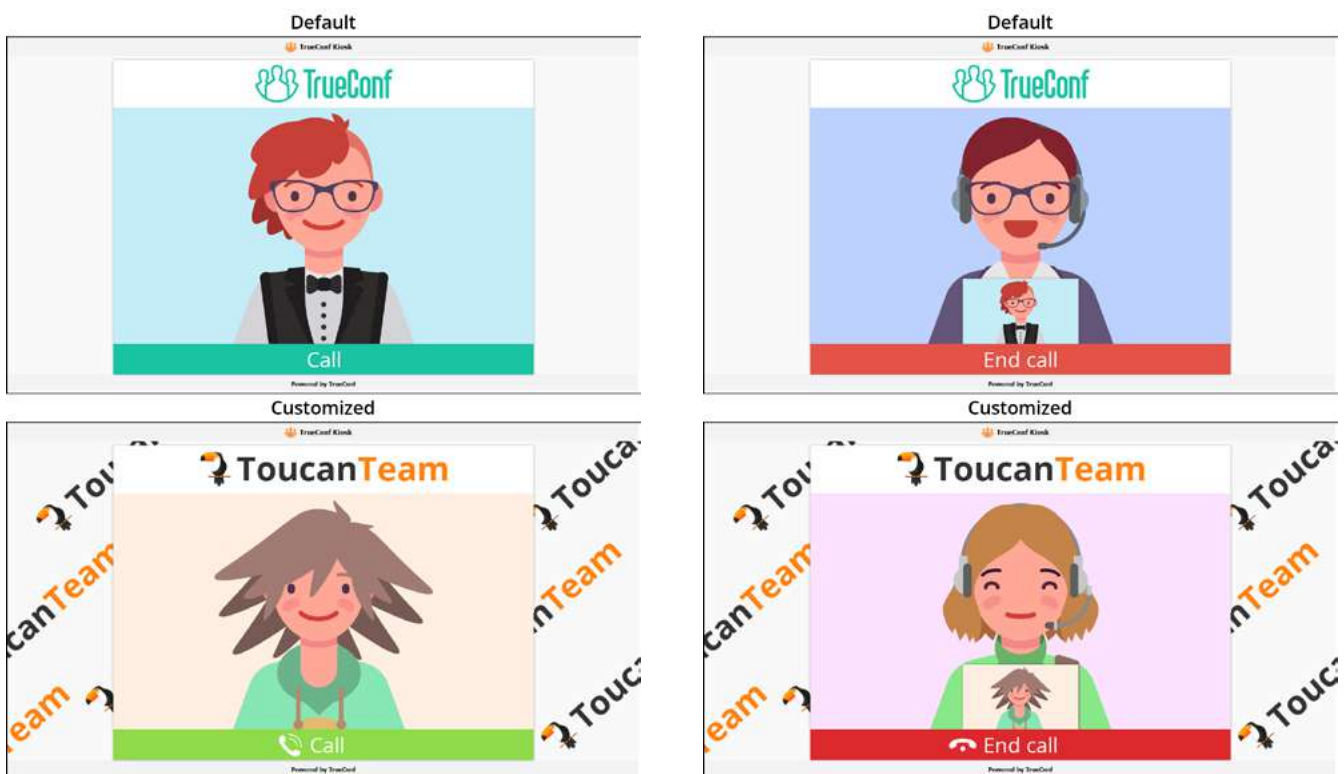



trueconf.com/go/vane





TrueConf Kiosk

Ready-to-use kiosk software for customer service applications and call center integration that brings improved customer care and opens up white-labeling opportunities to suit your company's needs.





 Click-to-call from customer to an operator

 Set your company's logo and promotional video

 Customize interface and set branded background



 Integrates with SIP-based contact centers

 Record calls and conferences on the server

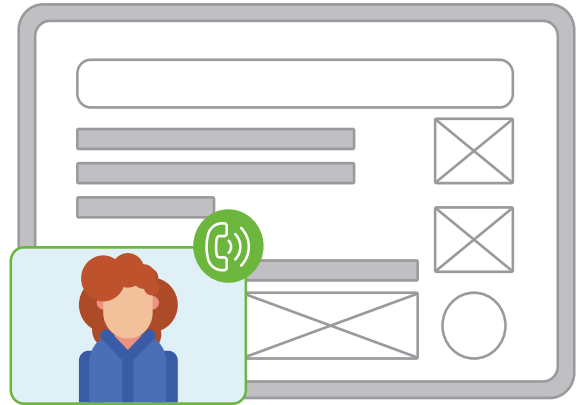
 Smart call queue management



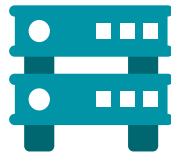
Free and open software for Windows available at github.com/TrueConf
Android version available on request.

TrueConf SDK

This library is designed for embedding video conferencing into any software for Windows. It is based on ActiveX technology and can be used in any development frameworks for this operating system, including Microsoft® Visual Studio IDE and Embarcadero® Delphi, as well as JavaScript applications for popular browsers.



Code samples at
github.com/TrueConf



Fully compatible with
TrueConf Server



Docs on
developers.trueconf.com



Web SDK



Visual Studio SDK



Delphi SDK

TrueConf Mobile SDK



- Works in the background and keeps you online
 - Libraries for Android Studio and xCode IDE's, Xamarin, React.Native and Cordova
 - Utilizes hardware encoding and saves battery
-



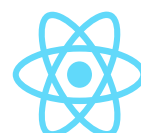
Apple XCode



Android Studio



Xamarin



React.Native



Cordova

{...} TrueConf API

TrueConf Server API

Enables administrators to control TrueConf Server remotely. For example, you can create users, invite them to conferences, manage conference participants, access recordings and do much more with the help of simple RESTful HTTP(s) requests. Basically all actions in the TrueConf Server panel have corresponding API calls.

- OAuth2.0 based access to API
- Conference management
- User and group management
- Group policy management
- More at developers.trueconf.com

URI API

```
<a href="trueconf:user_ID..."
```



URI API (*trueconf:*) is used to start TrueConf desktop or mobile application to join a conference or make a video call by following a link from another application or web site. For example, "Join a Meeting" button in a company's calendar software authenticates users based on their Active Directory entry and connects them to a meeting.

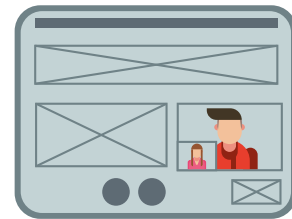
- Make calls by ID
- Join conferences by CID
- Connect to a remote TrueConf Server
- Authorize as an existing user or as a guest
- Start chat sessions and more!

Command Line

Command line parameters are valid for desktop TrueConf apps and can be used to:

- Start the second copy of the app to capture video from multiple sources
- Switch the app to a full screen or terminal modes on the start-up
- Room mode: keep the app in full screen mode between calls
- All features of URI API can be applied during application start-up as well

HTML5 Widget



Allows you to add video conferencing capabilities onto your web site to connect to a video call center or provide online support for your customers. Users do not need to install any software or create accounts to join a session using a WebRTC plugin-free approach.

- Add users and guests to a specific conference
 - Up to 250 participants in a single conference
 - Single-use client app for browsers which don't support WebRTC
 - Automatic call queueing
 - Support for SIP-based call center solutions
-



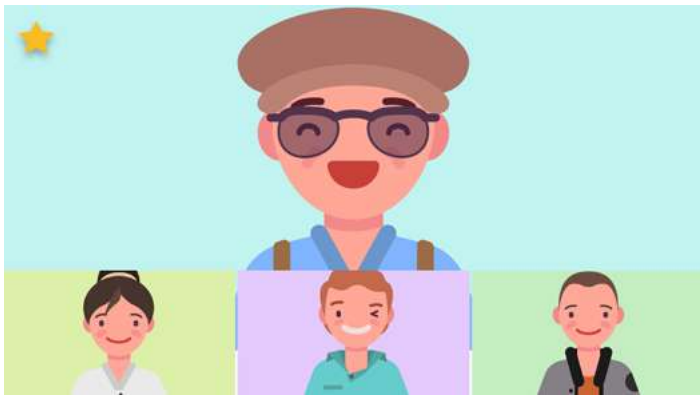
Video Conferencing Modes of TrueConf Apps



Point-to-Point Video Call

 **1-on-1**  **up to 4K**

Session between two users. They can see and hear each other, exchange messages and files, collaborate on documents, etc.



Multipoint Video Conference

 **36-on-36**  **up to 8K**

Allows to connect up to 36 participants in continuous presence mode so that all users can see and hear each other.



Video Lecture

 **1-on-36**  **up to 4K**

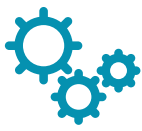
Designed for distance learning. Allows to connect up to 36 users in such a way that all of them can see and hear only the host while the host can interact with all participants.



Virtual Meeting

 **up to 800**  **up to 4K**

Role-based video conferences for large audience where speakers are selected by a moderator in real time. Number of speakers varies up to 36 speakers depending of the conference size.



Technical Specifications

Applications	Available for Windows, macOS, Linux, Android, Android TV, iOS, watchOS and WebRTC.
Video Codecs	Native: VP8 SVC. Via built-in gateway: H.264 AVC, H.264 SVC, Microsoft® X-H264UC, H.263. Video streams resolution, compression ratio and frame rate are chosen dynamically and independently for every participant in a conference based on the selected layout, bandwidth, connection quality, endpoint's performance and its hardware capabilities.
Layouts	Infinite number of layouts for video and content on single or multiple screens chosen interactively by users. Moderators can lock or create custom layouts for one or multiple participants in real time.
Video Resolution	One-on-one call: up to 2160p (4K) at 30 fps and up to 1440p at 60 fps. Multipoint conferences: up to 720p per participant and up to 4320p (8K) per layout. Via built-in H.323/SIP gateway: up to 1080p30 per layout.
Content Resolution	Desktop and separate application sharing: up to 2160p (4K) with remote control available. Slideshow up to 1280x1024 per slide.
Audio Codec	Opus Wideband HD Audio, iSAC, G7xx.
Protocols	TrueConf's proprietary TCP-based protocol, WebRTC, SIP, H.323, BFCP, H.239, RTSP, FECC, H.224, H.281.
Encryption	AES-256, TLS. Via WebRTC: SRTP DTLS. Via SIP: SRTP. Via H.323: H.235 rev.3.
Network	IPv4 and IPv6. NAT traversal via TURN, ICE and STUN.
Bandwidth Requirements	2160p30 @ 8192kbps, 1440p60 @ 4096kbps, 720p60 @ 2048kbps, 1080p30 @ 2048kbps, 720p30 @ 1024kbps, 480p30 @ 512kbps, 360p30 @ 128kbps, 180p30 @ 48kbps.
API & SSO	RESTful API for server management. Single sign-on based on NTLM or OAuth 2.0.
Supported Hypervisors	Microsoft® Hyper-V, Xen, KVM, Oracle® VM VirtualBox, VMware® Workstation and ESXi.
Cloud Support	Hybrid scenarios using federation between on-premises and cloud-based TrueConf Server instances.
System Requirements	For TrueConf Server: Debian-based Linux distros or Microsoft® Windows Server 2012 or newer, Intel® Core i5-7400, Xeon® E3-1220 or better with PassMark score higher than 7000, 16GB of RAM, 20GB on HDD, Ethernet 1 Gbps.

Built-in H.323/SIP gateway requires additional CPU or GPU resources for every layout it renders depending on the number of participants, streaming and recording options. Typically every H.323/SIP layout rendered in 720p resolution requires a logical core on a CPU. Up to 100 SIP/H.323 endpoints, up to 250 WebRTC participants and up to 3000 TrueConf protocol participants per server instance are supported.

Server-side GPU acceleration is available for NVIDIA® Pascal cards or newer. For example, NVIDIA® Quadro P2000 can render up to 20 individual H.323/SIP layouts with 720p resolution.

For desktop endpoints: Microsoft® Windows 7/8/10, Apple® OS X 10.7+, Ubuntu 12.04+ or Debian 7.2.0+. For 2160p video calls: Intel® i5 7th Gen CPU and NVIDIA® GTX 1050 or better. For 1080p30 video calls: Intel® Core i5 3rd Gen; for 720p30 Intel Core i3 2nd Gen; for 480p30 Intel® Core Duo or better; for 360p Intel® Pentium 4.

For mobile devices: smartphones and tablets based on Android 4.2+ or iOS 7.1+ platforms.

For Smart TV: NVIDIA® SHIELD TV and SHIELD TV PRO.

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