Video Conferencing & Team Collaboration Solutions Portfolio

TrueConf
TrueConf connects meeting rooms, workspaces, and mobile devices with Ultra HD video conferencing, powerful team messaging and collaboration capabilities.

TrueConf is a leading European developer of the security-focused video communication software and hardware solutions designed to supercharge remote workflows and keep users’ privacy safe. The company has been repeatedly recognized by the world-renowned analytical agencies, such as Gartner, IDC and Frost & Sullivan.
## Key Advantages

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<tr>
<th>Affordable Infrastructure</th>
<th>Scalability</th>
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<tr>
<td>New scalable SVC-based architecture allows providing high-quality video conferencing service not only in meeting rooms, but also on desktop and mobile devices of all employees.</td>
<td>TrueConf Server makes it possible to hold hundreds of video conferences with thousands of users on a regular PC. Server instances can be federated to scale infinitely.</td>
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<th>Ultra HD Video</th>
<th>Up to 1,000 Participants</th>
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<td>Enjoy the benefits of your 4K screen in the meeting room during video calls and group conferences and create telepresence experience.</td>
<td>With TrueConf, it’s easy to host large-scale virtual events for a multi-hundred audience.</td>
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<th>Secure Communications</th>
<th>Transparent Pricing</th>
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<td>TrueConf Server operates autonomously within the company’s network, providing complete control over your personal information. All communications are also encrypted using AES.</td>
<td>Competitive licensing allows you to connect all corporate users and not overpay for the time they’re offline. Client applications for all major platforms are free.</td>
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Easy-to-Use Client Applications

For Windows and macOS

For Linux

For Android

For iOS and watchOS

For browsers

For meeting rooms
With TrueConf, you can create user groups and easily navigate through the company's departments, while user profiles contain contact information and company details.

Meeting participants can customize video layout the way they prefer: drag and drop video windows across one or multiple screens, or enjoy automatic layouts that highlight active speakers or shared content.

Manage participants' peripherals and layouts on the fly, or delegate the moderator role to another user to focus on an important meeting.

Presence statuses allow you to instantly view your colleagues’ availability and the devices they are connected from.

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

Show slides, apps, PDF files or your screen with audio, or take control of the shared desktop to provide remote support.
Team Messaging

Persistent Personal & Group Chats

TrueConf team messenger allows you to communicate asynchronously and collaborate with colleagues in the most productive way.

Advanced Messaging Capabilities

With TrueConf, you can edit, forward, and reply to messages, delete messages locally and globally for all chat members, and much more.

Secure Data Storage

All private chats and media files are securely encrypted and stored locally within your corporate network.

File Sharing

Share links, images, and files with colleagues, or use emoji for more personalized communication.

Built-in Media Player

View shared images in chat and play recorded conferences right on your PC without installing additional software.

Managing Chat Roles

Assign an owner and manage moderator roles in group chats.
Remote Teamwork

**Video Conferencing**

Hold e-learning sessions, run business meetings, host large-scale webinars or hybrid events — it’s all in your hands.

**Microsoft Outlook® Add-in**

Schedule meetings with colleagues right in your Outlook calendar with TrueConf official add-in.

**Join Meetings via a Link**

Join conferences in your browser from desktops or mobiles — no downloads or plugins required.

**Sign in on Multiple Devices**

Stay connected on multiple devices simultaneously — make video calls, exchange messages, and collaborate remotely from any convenient location.

**Conference Scheduler**

Set date and time, duration and recurrence for the scheduled conferences. Manage invitation lists, recording settings, and layouts right from your application.

**PIN-Protection**

Secure your conferences from unauthorized access by setting a PIN code.
TrueConf Server is a secure platform for 4K video conferencing and team collaboration. This pure software solution is based on state-of-the-art technology with infinite scalability and interoperability possibilities.

- Up to 49 on-screen participants
- Up to 1,000 users per conference
- Up to 10,000 accounts per server
- Built-in H.323/SIP gateway
- Recording and streaming support
- UltraHD calls and conference
- Active Directory & LDAP integration
- Built-in web conferencing platform
- Runs on Windows, Linux, virtual machines and in a Docker container

trueconf.com/go/tcs
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.

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

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

Dramatically saves time for system administrators by helping users to do typical tasks such as scheduling conferences, viewing analytics, and accessing recordings.

Provide engaging online training, host webinars with pre-registration of participants, and get all the attendance data you need.

TrueConf lets you join any meeting held on third-party platforms such as Zoom®, Cisco Webex®, BlueJeans®, or GoToMeeting® by simply calling their conference links.*

*Connector requires SIP or H232 connection on the side of third-party service.
Create collaborative meeting space with flawless video and audio using TrueConf Room! It is easy-to-use software for rooms that turns a regular PC into a 4K video conferencing endpoint.

Ultra HD Room Experience

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

Easy to Set Up & Control

Support for up to 4 screens
Content capture and slideshow
Works with any USB peripherals
Built-in NDI support
For Windows and Linux
Customization and branding

trueconf.com/go/room
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.

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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 4K 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. The 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.

trueconf.com/go/mcu
Add privacy to your meetings and keep things professional with background blurring that operates reliably on devices of any performance.

**Background Blurring**

If meeting participants are in different parts of the frame, the images are automatically zoomed in and cropped to make a flawless visual composition.

**Auto Framing & Composition**

Collaborate with teammates effectively and deliver clear distraction-free audio even in the busiest locations.

**Smart Noise Cancellation**

An automatic algorithm converts the conference audio recording into a transcript, linking phrases to timestamps on the video.

**Meeting Minutes**

Brand your image in line with your company identity, or simply express yourself with AI-powered virtual backgrounds.

**Virtual Background**

The app identifies common user problems and displays troubleshooting hints, creating a truly friendly UI.

**Smart Hints & Advices**
TrueConf Enterprise

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

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 Directory

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

Load Balancing

When holding geographically distributed video conferences, TrueConf Server instances exchange only the missing streams, which significantly reduces network load between branches in the enterprise network.

Redundancy and Scalability

Thanks to the ability to duplicate and geographically distribute nodes, the video conferencing network is reliably available to users under any load. Supporting millions of subscribers doesn’t require you to invest heavily in the video conferencing infrastructure.

trueconf.com/go/enterprise
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

- 49-on-49
- up to 8K

Allows to connect up to 49 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 1000
- 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 49 speakers depending of the conference size.
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
Point-to-point video call: up to 2160p (4K) at 30 fps and up to 1440p at 60 fps. Multipoint conferences: up to 1080p (FullHD) at 30 fps per participant and up to 4320p (8K) per layout. Via built-in H.323/SIP gateway: up to 1080p at 30 fps per layout.

Content Resolution
Desktop and application sharing: up to 2160p with remote control available. Slideshow, PDF and PowerPoint files up to 1920x1080 per slide.

Audio Codec
Opus Wideband HD Audio, iSAC, G7xx at 32 kHz.

Supported Protocols
TrueConf’s proprietary protocol, WebRTC, SIP, H.323, BFCP, H.239, RTSP, HTTP(S), FECC, H.224, H.281, NDI.

Encryption

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 Kerberos, NTLM, or OAuth 2.0.

Supported Hypervisors
Microsoft® Hyper-V, Xen, KVM, Oracle® VM VirtualBox, VMware® Workstation and ESXi. The distribution is also available as a Docker container (hub.docker.com/u/trueconf).

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 i5-8700, 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 500 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+, Apple® OS X 10.7+, Ubuntu 12.04+ or Debian 7.2. For 2160p video calls: Intel® Core i5-8600 CPU and NVIDIA® GTX 1050 or better. For 1080p30 video calls: Intel® Core i5 5th Gen; for 720p30: Intel® Core i5 2nd Gen; for 480p30: Intel® Core i3 2nd Gen; for 360p: Intel® Celeron (Haswell).

For mobile devices: smartphones and tablets based on Android 6+ or iOS 11+ platforms.

For Smart TV: NVIDIA® SHIELD TV and Xiaomi® Mi Box 4/S.

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