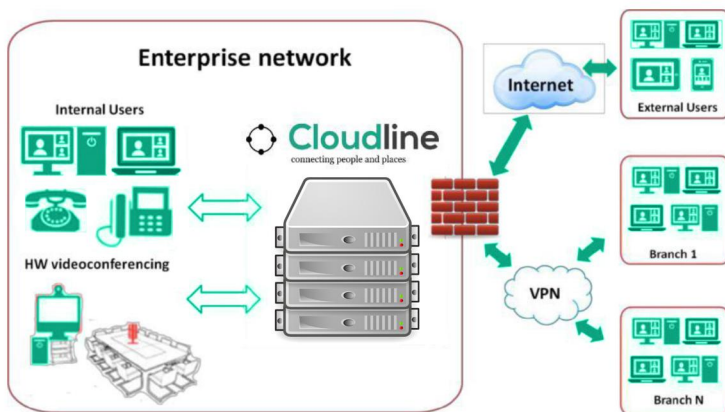


## Cloudline Video conferencing Platform

Cloudline delivers video conferencing solutions to improve the way people communicate and collaborate in all walks of life. Cloudline delivers practical and engaging solutions to Large, medium and Small enterprises, Banking, financial Services & Insurance companies, educational institutions, health care providers, Central & State Government agencies, and IT, ITES & technology companies across the world. The applications and real-world benefits of Cloudline are boundless.

### Cloudline<sup>®</sup> includes everything you need to deploy HD video collaboration to everyone in your organization

- Group video/audio conferencing within the company employees
- Conference with participants from multiple organizations
- Video Collaboration Platform (content sharing, whiteboard, session recording, chat, moderation, online surveys & polls)
- On Premise Deployment, VCaaS – Video Conferencing as a Service on Cloud or Hybrid offering



- ✓ Save time on meetings and travel expenses
- ✓ Accelerate the adoption of remote collaboration across your workforce & improve efficiency
- ✓ Improve the effectiveness of communication with the vendors, partners, regional offices and mobile team.

### Interoperability

- PC, Mac, iOS, Android
- Any web browser + desktop application
- SIP/H.323 legacy video conferencing devices
- Integration with Skype for Business (MS Lync)
- WebRTC support

### Performance and Scalability

- Full HD quality of video & audio calls
- 100 interactive video users in conference & Scalable
- 1000 video ports on standard PC server
- Control & security
- SIP telephony integration
- On Premise Deployment
- Cloud Service offering
- Hybrid deployment – On Prem & Cloud
- Cascade Multiple Servers



### Cloudline<sup>®</sup> client-server software – enhance your product/service offerings:

- **Government agencies** can deploy on Premise servers to scale across multiple departments
- **Service Providers and Cloud Computing services providers** can build their own video conferencing services and provide them to their subscribers in SaaS model
- **Application Developers** can add the video conferencing feature to corporate IT systems they develop (workflow and docflow automation, CRM, intranet portals, e-Learning platforms, etc.)

- **Telemedicine & Teleeducation** service providers can integrate their applications and use Cloudline for video communication
- Newer technology innovators can incorporate Cloudline in applications like Robotics, AR/VR, etc.
- Artificial Intelligence using Cloudline video recordings can be used in several areas for predictive decision making.

## Specifications

<b>Capabilities</b>	<b>Basic features:</b>	<ul style="list-style-type: none"> <li>▪ Call and conference management</li> <li>▪ Notifications</li> <li>▪ Recording and playback (including text)<sup>1</sup></li> <li>▪ Contact management &amp; search</li> <li>▪ Contact status</li> <li>▪ Allow multiple audio, video and data sources per participant</li> <li>▪ Virtual cameras</li> <li>▪ Layout control</li> <li>▪ Signaling configuration</li> <li>▪ Transport configuration</li> <li>▪ Moderation of meeting rooms and participants</li> </ul>	<b>Collaboration tools:</b>	<ul style="list-style-type: none"> <li>▪ Screen, application and document sharing</li> <li>▪ Interactive Whiteboard</li> <li>▪ Polls and surveys</li> <li>▪ IM text messaging</li> <li>▪ Personal &amp; Group Chat</li> <li>▪ Multi-party video calls</li> </ul>
	<b>Server API</b>	<ul style="list-style-type: none"> <li>▪ XML-RPC</li> </ul>	<b>Customization:</b>	<ul style="list-style-type: none"> <li>▪ Layout</li> <li>▪ Conference topology</li> <li>▪ Quality control</li> <li>▪ Rendering engine</li> <li>▪ Custom infrastructure</li> <li>▪ Branding</li> </ul>
	<b>Clients API</b>	<ul style="list-style-type: none"> <li>▪ C/C++, Java, JavaScript</li> </ul>		
	<b>Server Platforms</b>	<ul style="list-style-type: none"> <li>▪ OS: Linux</li> <li>▪ Web servers: Apache, NGINX</li> </ul>		
	<b>Clients Platforms</b>	<ul style="list-style-type: none"> <li>▪ Windows, Android, iOS, Mac OS X, Linux</li> </ul>		
	<b>Browsers</b>	<ul style="list-style-type: none"> <li>▪ Chrome, Firefox, Internet Explorer, Opera, Safari</li> </ul>		
	<b>Capacity</b>	<ul style="list-style-type: none"> <li>▪ Up to 100 concurrent interactive video participants per conference<sup>2</sup></li> <li>▪ Up to 1000 concurrent video calls per conferencing server<sup>3</sup></li> <li>▪ Up to 16 videos on a mobile screen</li> </ul>		
	<b>Speech Codecs</b>	<ul style="list-style-type: none"> <li>▪ G.711 ALaw, G.711 uLaw, G.711 WB ALaw, G.711 WB uLaw, G.728, G.729, G.726</li> <li>▪ ITU-T G.711, G.722, G.722.1, G.722.2 (AMR-WB), Opus, Speex, Speex NB, iLBC, SILK-NB, SILK-WB</li> </ul>		
	<b>Video Codecs</b>	<ul style="list-style-type: none"> <li>▪ H.264 AVC (Baseline Profile, level 5.1, RFC 3984, MMCO (Part 8.2.5.4 of ITU-TH.264-2012-01))</li> <li>▪ H.263, H.263+, H.264, H.264 hp/avc/svc(vm)</li> <li>▪ Google VP8 AVC</li> </ul>		
	<b>Signaling</b>	<ul style="list-style-type: none"> <li>▪ SIP (RFC 3261)</li> <li>▪ XMPP (RFC 6120, RFC 6121)</li> <li>▪ ITU-T H.323</li> </ul>		
<b>Transport</b>	<ul style="list-style-type: none"> <li>▪ UDP, TCP, HTTP</li> <li>▪ NAT/Firewall traversal</li> </ul>			

<sup>1</sup> Playback media files in \*.avi or \*.mkv format through a commodity media player.

<sup>2</sup> Target configuration for 100 ports ( H.264-based connections, 1 conference of 100 participants with CIF@20fps, 400Kbps each) per Intel Xeon 5020 2.5 GHz (x2), 4Gb RAM server. More ports require additional hardware running Cloudline Server.

<sup>3</sup> Target configuration for 1000 ports ( H.264-based connections, 1000 concurrent video calls with CIF@20fps, 400Kbps each) per Intel Xeon E5-2687W 3.1 GHz (x8), 8Gb RAM server. More ports require additional hardware running Cloudline Server.

An **A&T** Enterprise...20 years in Videoconferencing



**Cloudline**  
connecting people and places

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