

Video Conferencing Server SDK with Mobile Clients

VideoMost® SDK is an all-inclusive set of VVoIP media processing technologies, signaling protocols and collaboration tools for licensing to telecom operators, service providers and software developers

VideoMost® SDK is video conferencing software server complete with mobile IM video client working across different OS (including Android, iOS, Mac OS, Windows and Linux) and web browsers. This enterprise-ready product delivers SVC HD voice and video and supports up to 16 videos on a mobile screen. In addition to HD videoconferences a wide range of collaboration tools are available. VideoMost® SDK enables embedding group mobile video call into your app as a function. VideoMost® SDK supports both SIP and H.323 protocols for legacy video conferencing hardware interoperability. With VideoMost® SDK telecom operators and service providers can bring additional revenue along with increased subscriber base and strengthen loyalty.

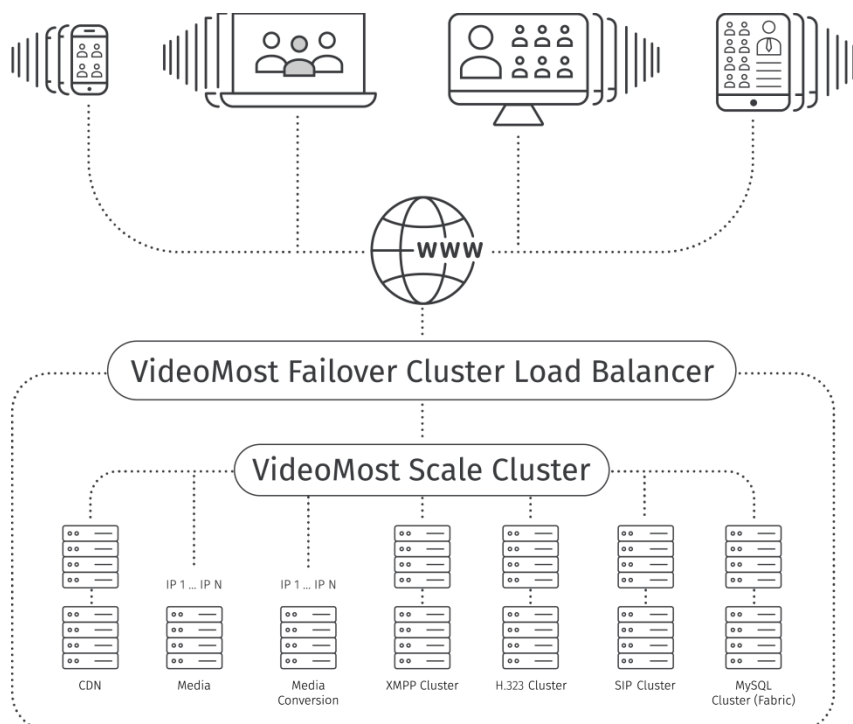
World Top Performance and Scalability

- HD voice and video
- 16 videos on mobile screen
- 100 people in a room
- 1000 concurrent video channels per \$2K PC server
- Android, iOS, Windows, Mac, Linux clients
- WebRTC support
- Content sharing
- RTSP broadcasting

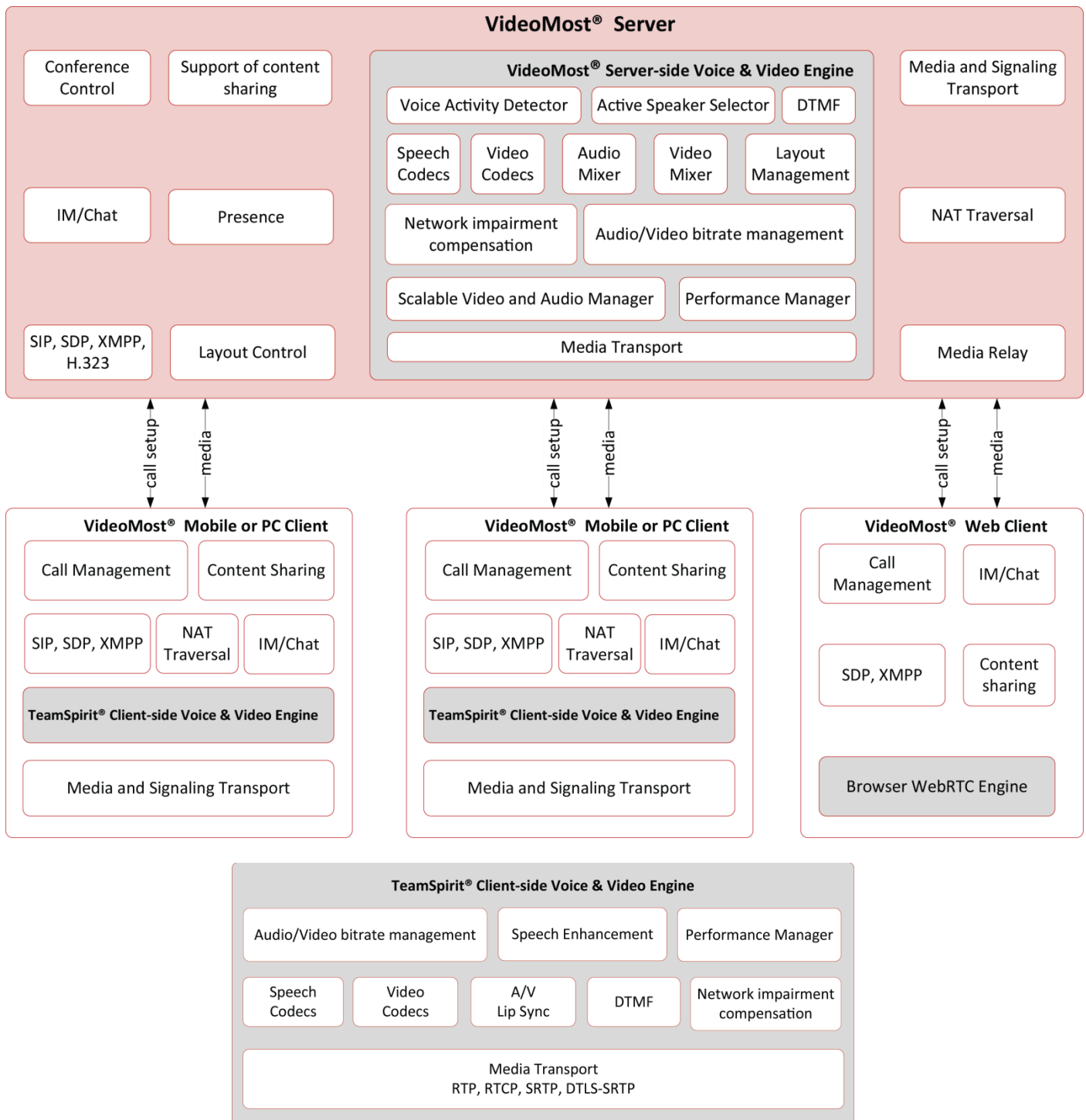


Scalability of VideoMost® Server

Currently single VideoMost® server (using quad 3 GHz CPUs) can handle up to 1000 video ports. VideoMost® cluster can handle virtually unlimited number of users/ports. Typical cluster scheme is shown below.



VideoMost® SDK is a client-server software product. Its media processing core is SPIRIT's VideoMost® Conferencing Engine that provides high-quality voice and video processing and transmission over IP networks.



[TeamSpirit® Mobile Video Call SDK](#) for p2p video calls and VideoMost® Server-side Voice & Video Engine for conferencing are available for separate licensing. Start from p2p video client and then progress to video conferencing service using the same VideoMost® SDK. TeamSpirit® Mobile Video Call SDK and VideoMost® SDK are fully compatible with each other, no need to waste time and money for integration.

Specifications

Capabilities	Basic features: <ul style="list-style-type: none"> • Call and conference management • Notifications • Recording and playback (including text)¹ • Contact management & search • Contact status • Allow multiple audio, video and data sources per participant • Virtual cameras • Layout control • Signaling configuration • Transport configuration 	Collaboration tools: <ul style="list-style-type: none"> • Screen, application and content sharing • IM text messaging • Moderation of meeting rooms and participants • Multi-party video calls
	Customization: <ul style="list-style-type: none"> • Layouts • Conference topology • Quality control • Rendering engine • Custom infrastructure 	
Server API	<ul style="list-style-type: none"> • XML-RPC 	
Clients API	<ul style="list-style-type: none"> • C/C++, Java, JavaScript 	
Server Platforms	<ul style="list-style-type: none"> • OS: Linux • Web servers: Apache, NGINX 	
Clients Platforms	<ul style="list-style-type: none"> • Windows, Mac OS, Android, iOS 	
Browsers	<ul style="list-style-type: none"> • Chrome, Firefox, Internet Explorer, Safari 	
Capacity	<ul style="list-style-type: none"> • Up to 100 concurrent interactive video participants per conference² • Up to 1000 concurrent video calls per conferencing server³ • Up to 16 videos on a mobile screen 	
Speech Codecs*	<ul style="list-style-type: none"> • SPIRIT IP-MR™ (RFC 6262) • ITU-T G.711, G.722, G.722.1, G.722.2 (AMR-WB), Opus, Speex 	
Video Codecs*	<ul style="list-style-type: none"> • H.264 AVC (Baseline Profile, level 5.1, RFC 3984, MMCO (Part 8.2.5.4 of ITU-T H.264-2012-01)) • SPIRIT scalable H.264 (temporal and spatial scalability) • Google VP8 AVC 	
Signaling	<ul style="list-style-type: none"> • SIP (RFC 3261) • XMPP (RFC 6120, RFC 6121) • ITU-T H.323 	
Transport	<ul style="list-style-type: none"> • UDP, TCP, HTTP • NAT/Firewall traversal 	

¹ Playback media files in *.avi or *.mkv format through a commodity media player

² Target configuration for 100 ports (SPIRIT IP-MR™/ SPIRIT scalable 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 VideoMost Server

³ Target configuration for 1000 ports (SPIRIT IP-MR™/ SPIRIT scalable H.264-based connections, 100 conferences of 10 participants with CIF@20fps, 400Kbps each) per Intel Xeon E5-2687W 3.1 GHz (x8), 8Gb RAM server. More ports require additional hardware running VideoMost Server

CONTACTS

www.spiritdsp.com
www.videomost.com
sales@spiritdsp.com

China: +86-136-0192-2495	Korea: +82-17-232-3878	Taiwan: +886-2-2888-1010 ext. 100
Japan: +81-3-6361-8081	RU & EU: +7-499-995-23-85	USA: +1-916-955-4507
India: +91-9833-894005	Singapore: +65-9380-4061	Vietnam: +84-98-212-0085