



Video Conferencing System Solutions

SparkleConference-Video

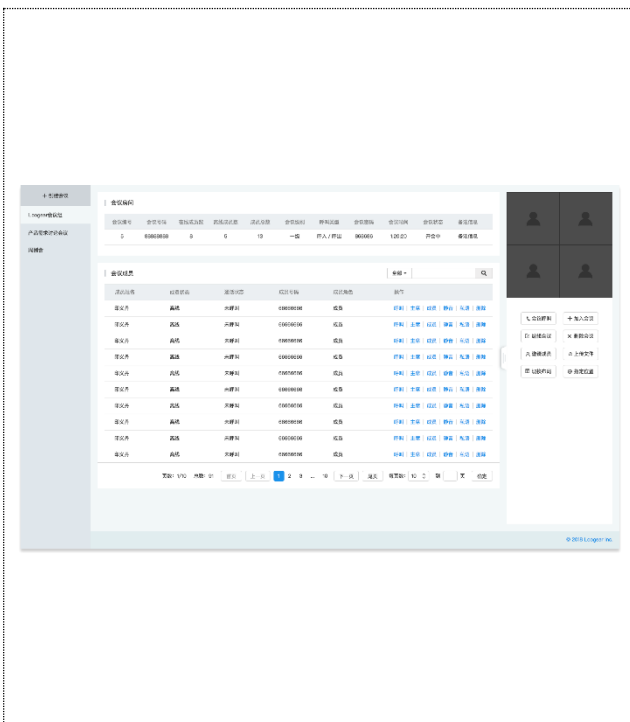
- Supports single node video conferencing for 100 people
- Supports multi-node overlay
- Support standard SIP rfc-4579 conference control protocol
- Adopt IMS architecture

Video Conferencing System

As described in the teleconference system, enterprise/Organization requirements for office meetings are rigid. Various types of meetings play an important role in all aspects of the work. Unlike the conference call system, the video conference system enhances the direct effect of the Conference.

The traditional video conference system requires a large number of video conference equipment, MCU hardware, large screen, microphone, camera, as well as demanding network wiring, network bandwidth. Step into a dedicated meeting room each time you meet. Video conferencing systems have become a luxury word, often only large companies can have such luxury.

Sparkleconference-video is a new generation of video conference system. It is from the client to the background MCU, completely based on software, abandoned the traditional hardware requirements. Let everyone's mobile phone and PC can be used as a terminal device. The MCU core server in the background can even be used on the cloud computing server (ECS) you rent.



1. Rich video conference control

Video meeting control can be operated from the client App (both managers and participants) or initiated from the Web.

Video conference control supports one-key launching function. The system initiates calls simultaneously in parallel without requiring participants to call one by one.

Video meeting can dynamically adjust the members, including: video close, mute, please in, please out, allow to speak, prohibit to speak, role adjustment;

Video conference supports 26 video layouts;

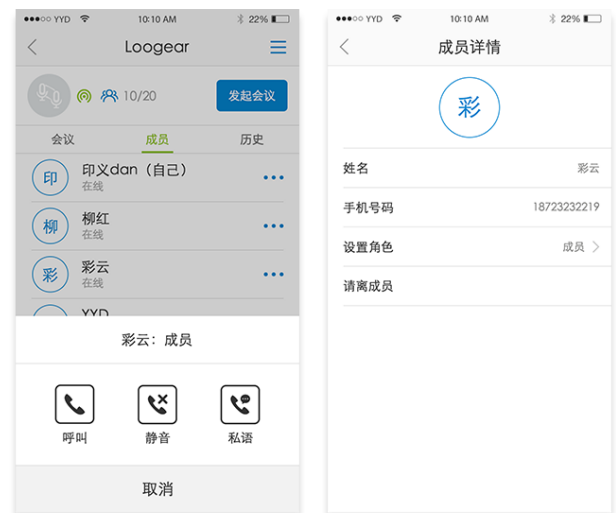
Video layouts support both fixed and automatic modes. Automatic mode, detect whether members speak dynamically adjust their image display position;

Video layout supports dynamic adjustment;

2. Flexible video meeting participant access control

Meetings have multiple authority control functions, including owner, manager, chairman, member, participant, etc., and each authority role has a clear functional distinction.

Meeting permissions can be dynamically adjusted.



3. Conference management

Data storage is adopted by default for meetings. Once the meeting is established, it will be saved permanently before the administrator takes the initiative to delete it.

When a meeting is initiated, the previously stored meeting scheme can be called at any time, with little or no modification.

The conference scheme allows different operators to share and have different copies.

Conference management provides API interface to support integration with other systems, such as integration with existing OA system, meeting notification and other management functions.

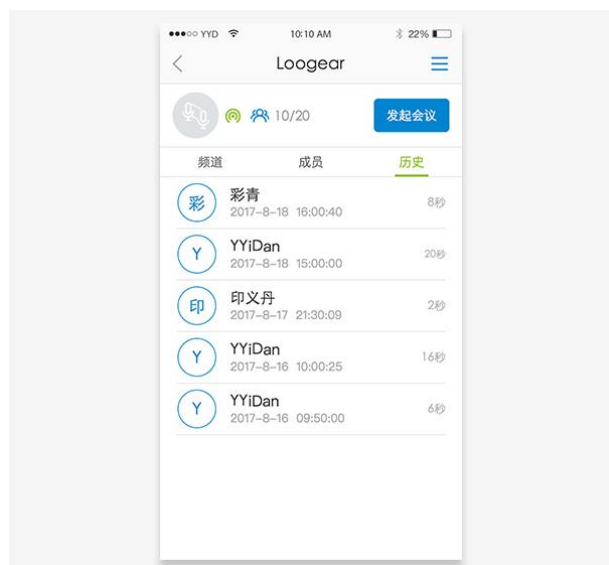
4. Combine with online address book and local address book

The online address book, also known as the enterprise address book, supports private cloud address book.

Meetings can be held by manually adding Numbers, or by selecting contacts from local and online contacts

The selected contact can be a system-supplied short number (SIP number) or a cell phone and landline number

Provide API structure and other system address book integration: such as with OA or HR system integration to achieve automatic synchronization of address book



5. Conference recording and recording

Conference supports background recording and video recording. Background recording can mix the whole process of recording and video recording, that is, everyone's speech in the meeting is recorded in a video file.

Video background recording track and video image support separate namely fusion.

Participants are supported to record and record the speech separately at different times. Participants can play back the missed speech in real time, and can also play back the single speech record specified by the designated person at any time.

Audio and video are stored in the background

	with encryption, and participants cannot export and forward without authorization.
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<p style="text-align: center;">Communication encrypted transmission</p> <p>All communications of the conference will be encrypted, and encryption is divided into multiple levels: the control signal is transmitted through the TLS channel based on SIP; Voice transmission USES SRTP TLS transmission. To ensure that signaling and voice in the transmission process will not be eavesdropping, parsing.</p>	<p style="text-align: center;">Text meeting minutes automatically generated</p> <p>Meeting support will employ the simultaneous translation of meeting minutes. According to the transcript of the speaker, the transcript contains the text of the speaker's speech, and provides the hyperlink of the speaker's speech recording for the final check of the organizer of the meeting minutes.</p>	<p style="text-align: center;">Hd voice quality</p> <p>As part of the unified communication platform, SparkleConference integrates SparkleComm voice calling function. Its voice quality inherits the high quality of SparkleComm, making participants feel as if they are on the scene. For details, please refer to SparkleComm</p>
<p style="text-align: center;">Software video conference MCU</p> <p>SparkleConference, as an integral part of the unified communication platform, adopts SparkleComm SparkleMCU in its background. SparkleMCU USES a pure software architecture, and users do not need to purchase an expensive MCU. SparkleComm's high-quality and efficient audio and video mixing algorithm enables users to deploy SparkleMCU on the virtual host of the cloud platform. See SparkleComm for details</p>	<p style="text-align: center;">Can be customized</p> <p>The SparkleConference adopts a flexible layered architecture to provide multiple customization solutions: solution 1: UI customization. All clients (Android/iOS/PC) can be customized according to user requirements. Option 2: SDK customization. Users can customize free instant messaging system based on the development suite of SparkleComm and the underlying SDK. Both client and server can be deeply integrated into the system of client freedom.</p>	<p style="text-align: center;">SparkleConference-Video advantage</p> <p>Compared with other im systems, sparkleconference-video is a telecom grade product architecture. SparkleComm's research and development team is from the world's top 500 telecom system manufacturers. At the same time, the SparkleConference-Video has some mature cases in the telecommunication operators. So the maturity of its product is far better than average manufacturer.</p>

SparkleConference System architecture

The upper functions of the conference and group server include the mobile client and the management and console parts. Mobile client implementation of the presentation and part of the addition and modification functions. Management and console to achieve the background management functions such as meeting and group server maintenance, rights management and role allocation, and the Web side of the meeting management and control functions.

