

Overview

1 Product Introduction

The Zego collaborative whiteboard service (ZegoWhiteboard), based on a real-time signaling network of hundreds of millions of users, provides users with the function of multi-person whiteboard interaction and collaboration. Users in the same room can draw on the designated whiteboard canvas in real time. With the help of basic teaching aids such as graffiti, text, straight lines, rectangles, ellipses, erasers, laser pointers, low-latency and high-efficiency exchange of ideas in a variety of forms is truly realized. Track real-time synchronization, audio "picture" synchronization. We provide an SDK for full platform integration in the form of a UI plug-in, with low access threshold and high abstraction.

2 Platform Support

Platform	SDK	Demo Experience	Compatibility
iOS	Support	Support	Minimum compatible with iOS 8
Android	Support	Support	Minimum compatible with Android 5.0
Windows (QT)	Coming soon	Coming soon	Minimum compatible with Windows 7
Windows (Win32)	Support	Support	Minimum compatible with Windows 7
Windows (Electron)	Support	Support	Minimum compatible with

			Windows 7
macOS (QT)	Coming soon	Coming soon	–
macOS (Electron)	Support	Support	Minimum compatible with macOS 10.10
macOS (Objective-C)	Support	Coming soon	Minimum compatible with macOS 10.10
Web	Support	Support	For detailed compatibility, please refer to Compatibility Description
Mini Program	Coming soon	Coming soon	–
Server	Coming soon	Coming soon	–

3 Advantages

3.1 Full Platform Coverage

Comprehensive coverage of mainstream platforms and frameworks, and support for quick access to platforms such as iOS, Android, Windows, macOS, and Web.

3.2 Fully Functional

ZEGO collaborative whiteboard SDK provides graffiti, text, line, rectangle, ellipse, eraser, laser pointer and other functions, which is more flexible and more efficient than face-to-face blackboard writing.

3.3 Audio and Video Synchronization

The drawing process is synchronized with my own audio and video streams in real time. While the presenter is drawing and talking, the other participants can

listen to and see the specific content in real time.

3.4 Real-time Collaboration Algorithm

ZEGO has self-developed intelligent multi-person real-time conflict determination algorithm, which can support hundreds of people to interact and collaborate efficiently (drawing, modification, etc.) at the same time.

3.5 International Acceleration

Free support for acceleration of international links under real-time networks, solve the problems of slow response and packet loss in long-distance transnational countries, and achieve a fast and stable transmission experience across countries.

4 Function Introduction

Function type	Function name	Remarks
Tools	Whiteboard page turning, scrolling	Support previous page, next page, and scrolling.
	Whiteboard zoom	Support 100% ~ 300% zoom.
	Pointer	Support selected primitives.
	Click	Support triggering animation after clicking the trigger of dynamic PPT.
	Drag and drop	Support drag and drop canvas.
	Paintbrush	Support drawing.
	Laser pointer	Supports the use of

		laser pointer to indicate, mobile browser (Web) does not currently support.
	Text	Support text input.
	Straight line	Support drawing straight line.
	Hollow rectangle	Support drawing rectangle.
	Hollow ellipse	Support drawing ellipse.
	Eraser	Support erasing by primitive.
	Support single-graphics movement	Support selected single-graphics movement.
	Support multi-graphics movement	Support selected multi-graphics movement.
	Clear the screen	One-click to clear all the pixels of the blank board.
	Undo	Undo the last operation.
	Redo	Resume the last undo operation.
	Color selection	Support 12 colors.
	Thickness selection	Support 4 kinds of thickness.
	Text size selection	Support 4 types of text size.
	Text format selection	Support italics and

		bold.
	Insert picture elements	Support for inserting pictures on the whiteboard, support PNG, JPG, JPEG format.
	Custom graphics	Support custom graphics teaching aids, support PNG, JPG, JPEG format.
Others	Whiteboard information	Whiteboard ID, whiteboard type, whiteboard page number, content width and height, shared authentication information, etc.
	Pixel operation and real-time audio and video synchronization	Keep whiteboard operation in synchronization with audio and video.
	Real-time handwriting synchronization	Support real-time synchronization of the handwriting being drawn to the remote.
	Canvas operation recording and playback	Coming soon.
	Access Control API	Coming soon.