Tencent Cloud

Tencent Effect SDK

Release Notes and Announcements

Product Documentation

Contents

Release Notes and Announcements
Release Notes

Last updated：2024-07-05 15:16:12

May 2024

Update	Description	Release Date	Reference
Released Android SDK v3.7.0.6 Released iOS SDK v3.7.0.1	Android: Added skin tanning capabilities. Added hair dyeing feature for single-point makeup. Added natural face slimming feature in the high-performance mode. iOS: Added skin tanning capabilities. Added hair dyeing feature for single-point makeup. Added natural face slimming feature in the high-performance mode.	2024-05-29	SDK Download

March 2024

Update	Description	Release Date	Reference
Released Android SDK v3.6.0.4 Released iOS SDK v3.6.0.1	Android: Added **Denoise** feature. Added camera move capability and user experience. iOS: Added **Denoise** feature. Added camera move capability and user experience. Added PrivacyInfo.	2024-03-21	SDK Download

January 2024

Update	Description	Release Date	Reference
Released Android SDK v3.5.0.5 Released iOS SDK v3.5.0.2	Android and iOS: Added color temperature and hue-conditioning capabilities. Added intelligent beauty features and gender detection capabilities, providing softened beauty makeup effects for males and babies.	2024-01-29	SDK Download

	The SDK supports pag file settings when self-definition segmentation and green screen are used. Optimized background segmentation capabilities. Optimized skin smoothing and brightening effects, minimizing impacts on non-skin areas. Optimized face detection sensitivity. Optimized the interface for setting beauty effects and added a new setEffect interface. Bug fix: the clarity range from -100 to 100 before has been changed to 0 to 100. Breast enhancement has been optimized as chest adjustment, with range changed from 0 to 100 to -100 to 100. Added 2D/3D sticker materials and full-face makeup style materials. Upgraded the libpag library to 4.3.33. Revamped the demo style, and added the quickly accessible TEBeautyKit library.		

For more release notes, please see Version History.

February 2023

Update	Description	Release Date	Reference
Released the commercial edition of the Beauty AR Web SDK	The Beauty AR Web can support AR effects such as AI beauty, filters, makeup, fun stickers, Animoji emotions, and virtual avatars on mini-programs, PC Web, and mobile Web pages; suitable for live streaming, virtual makeup try-on, short video production, and more.	2023-02-27	Features

April 2022

Update	Description	Release Date	Reference
Renamed the product	The original Tencent Effects Engine has been renamed to RT-Cube · Tencent Effect SDK.	2022-04-01	Overview

December 2021

Update	Description	Release Date	Reference
Released the Tencent Effect SDK	The Tencent Effect SDK leverages YouTu's accurate AI capabilities and Pitu's rich real-time effects to offer a wealth of services for diverse video processing use cases.	2021-12-13	Overview

Tencent Effect SDK V3.5 Version Released

Last updated：2024-02-22 16:43:28

Dear User,

The Tencent Effect SDK, purchased by your Tencent Cloud account, has released a new version (V3.5). This update brings a series of innovative features and performance optimizations, along with the addition of data reporting for certain information to further enhance our product capabilities. Here is the detailed content of this update:

Feature Additions and Enhancements

1. **Intelligent Beauty and Personalization**: We have added the ability to adjust color temperature and hue, as well as intelligent beauty features and gender detection capabilities, providing more precise beauty effects for different user groups.

2. **Performance Improvements**: We have enhanced the background segmentation algorithm to improve accuracy. Skin smoothing and brightening effects have also been refined, minimizing impact on non-skin zones, resulting in a more natural beauty effect. The boost in face detection sensitivity ensures rapid and accurate recognition in various environments.

3. **SDK Support and Interface Enhancements**: The SDK now supports setting pag files while utilizing self-definition segmentation and green screen. Enhancements have been made on the interface for setting beauty effects, and a new setEffect interface has been added, increasing development efficiency.

New Data Reporting

To better understand user needs and optimize product performance, we have added data reporting for certain information. For detailed information, please refer to: Data Processing And Security Agreement. We will collect information such as system attributes, device models, operating systems, and SDK usage records. All collected data will be strictly anonymized and encrypted to ensure user privacy. We promise that this data will only be used for product improvement and service quality enhancement and will not be used for any other purposes.

Material and Library Version Updates

1. **Material Enrichment**: We have added 2D/3D sticker materials and full-face makeup style materials, enriching the user's material options. Detailed content can be experienced by Installing the Demo.

2. **Library Version Upgrade**: The libpag library has been upgraded to version 4.3.33, and users can replace it with their own pag version as needed.

3. **Addition of TEBeautyKit Library**: We have added support for plugin-based integration, enabling developers to quickly integrate Tencent Effect SDK, simplifying the development process and increasing efficiency. Please refer to: TEBeautyKit Integration | Tencent Cloud.

We appreciate your continued support and look forward to your feedback. Please visit our documentation center for more detailed information and Version History. We promise to continue striving to provide you with better services and to jointly promote the development of special effects processing technology.

Thank you!

Tencent Cloud

Tencent Effects SDK V3.0 Version Related API and Material Changes

Last updated：2023-07-26 17:59:59

The Tencent Effect SDK, has released a new version (V3.0). This update optimizes the 3D rendering engine and provides users with an even better performance experience. In addition, some editions have added features such as facial fine-tuning and body modification to further improve usability.

After the upgrade, **the new features**, **API** and **material changes** in V3.0, as well as the possible impact on you, please refer to the following instructions.

New Features

The V3.0 version package involves new features in **beautification** and **body retouch**.

New Features	Involved Package
Beautification : Added features including eye width, eye height, eyebrow angle, eyebrow distance, eyebrow height, eyebrow length, eyebrow thickness, eyebrow peak, lip width, lip position, and smile lips.	These features are supported in the S series editions.
Body Retouch: Added enlarge chest features.	This feature is supported in the S1-07 edition.

API / Framework Change

Platform	Change Details
Android	Removed the `setYTDataListener` interface and moved the data previously called back in `onYTDataUpdate` to `AIDataListener` as `onAIDataUpdated` . The content of the callback remains unchanged.
iOS	Deleted the `onYTDataEvent` callback and moved the data previously called back in `onYTDataEvent` to `onAIEvent` , which will now be accessed using `event[@"ai_info"]` . The content of the callback remains unchanged. Framework changes include renaming `TEFFmpeg.framework` to `TECodec.framework` .

Material Change

In this SDK upgrade, we optimized the 3D rendering engine and further improved the rendering effect of 3D stickers, but it may cause some existing 3D material stickers to be incompatible. The main impacts are as follows:

Invalid materials: Duck cap, Glasses 2, Magic bow, Flower fairy. These materials cannot be used after the V3.0 version SDK.

Upgraded materials: Glasses, Helmet, Paws, Lamb.These materials need to be re-adapted after the V3.0 version SDK. If you are using these materials, please contact us to obtain the upgraded files.

If you need to upgrade to SDK V3.0 version, please verify that the stickers can be used normally after the upgrade. If there are any issues, you can contact us for assistance.

For more detailed information, please click Version History to view.