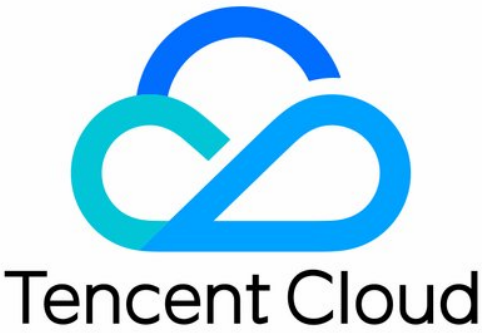
Audio Moderation System

Product Introduction

Product Documentation



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Product Introduction
Overview

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Challenges in Content Recognition

With the rapid development of the internet, smart devices, and various emerging businesses, internet data has been growing explosively and is subject to diverse uncontrollable risks, such as pornographic content and spam ads. Content recognition has become an urgently needed capability for UGSV, news, and live streaming platforms. However, traditional recognition means are costly, and enterprise content operations are faced by new technical challenges.

AMS Overview

Tencent Cloud Audio Moderation System (AMS) is a smart audio recognition service for moderating the audio uploaded by users. It delivers a high recognition accuracy and recall rate, meets the needs for content recognition in multiple dimensions, and has been constantly improved in its recognition standards and capabilities in response to the changing regulatory requirements.
It can detect various scenes in audio/audio stream and accurately recognize content that may be offensive, unsafe, or inappropriate, which effectively reduces the risks of non-compliant content and recognition costs.
It can accurately recognize pornographic content to filter audio of custom violation types. The recognition results include three categories: normal, suspected, and non-compliant. We recommend you allow normal audio, manually recognize suspected audio, and block non-compliant audio, so as to reduce the labor costs and increase the recognition efficiency.
It provides services and capabilities in the form of open APIs. You can call them to get recognition results and efficiently create a smart business system to increase the efficiency of business operations.

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Features

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Porn Recognition

AMS recognizes and filters audio involving multiple types of porn, including vulgar speeches, obscure porn, and sexual implications.

Ad Recognition

AMS recognizes and filters various types of ads, such as normal product ads and prostitution ads.

Meaningless Audio Recognition

AMS identifies whether the audio contains panting, moaning, ASMR, and other non-semantic content.

Language Recognition

Currently only Chinese is supported.

Custom Content Recognition

AMS allows you to customize keyword dictionaries. It can accurately recognize improper content that contains custom keywords. You don't need to train a machine recognition model, as the system automatically matches the content to be recognized with the samples in the custom dictionaries for targeted content recognition.

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Strengths

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High Reliability

AMS delivers a service availability of at least 99.9%. Its professional team provides 24/7 technical support.
It responds to requests in milliseconds, returns results in seconds, and delivers an ultra low latency, which helps your business grow faster.
It supports multi-cluster deployment with dynamic scalability and can sustain over 10,000 concurrent requests per second, so you don't need to worry about performance loss.

High Flexibility

AMS can be connected to in three steps by directly calling service APIs, with no need to install any script files.
It allows you to customize libraries and moderation policies so as to flexibly use the AMS service based on your specific business needs.
It can be used by both Tencent Cloud and non-Tencent Cloud customers without incurring any business migration costs.
It supports public cloud services and private cloud deployment to address all content moderation problems, which saves time, money, and worry.

Cost Efficiency

AMS is postpaid and billed by the call volume.
It provides a comprehensive recognition model system created by integrating dozens of algorithms and technologies, which avoid false negatives produced by a single model and deliver a recognition accuracy of above 99.99%.

High Confidence

AMS offers models created based on Tencent Cloud's 22 years of experience in product operations and tens of thousands of samples of non-compliant text, which cover hundreds of violation types in different industries.

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Use Cases

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Interactive Live Streaming

AMS provides Tencent Cloud live streaming and audio service customers with a one-stop, low-latency solution that features audio stream segmentation, recognition, storage, and automatic moderation. It can identify suspicious rooms and trigger alarms.
If you use Tencent Cloud video or live streaming solutions, you can quickly enable AMS to prevent the dissemination of non-compliant content and reduce the risks to platform operations.

Content Platform

AMS supports easy connection to various audio/video resource libraries for one-stop automatic recognition.
It can clip long audio/video tracks.
It delivers a 99.9% availability and provides 24/7 online technical support, guaranteeing the security of your resources.

Social Networking Voice

AMS is widely used for various audio content and social networking platforms such as social voice messaging, voice marketplace, and FM radio. It can quickly recognize offensive, unsafe, and harmful content in order to guarantee the platforms' business interests and compliance and reduce their user operations costs.

Education

AMS can be widely deployed on various online platforms such as parenting, kid education, online education, and online open class to promptly recognize harmful information that may be hidden in online lectures, interactions, and recorded courses. It guarantees the physical and mental health of minors, creates favorable learning and growing environments, and improves the user experience.

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