

Video Moderation System

Product Introduction

Product Documentation



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Contents

Product Introduction

Overview

Features

Strengths

Use Cases

Product Introduction

Overview

Last updated : 2023-12-21 17:06:05

Challenges in Content Moderation

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 involving blood, porn, gambling, and drug use has become an area of focus, which makes content recognition a capability urgently needed by short video, news, and live streaming platforms. As common non-compliant content in videos is difficult and costly to recognize through traditional means, enterprises face new technical challenges in content operations.

VM Overview

Tencent Cloud Video Moderation System (VM) is a security service with cutting-edge image recognition algorithms, which are trained with massive amounts of data in non-compliant videos to create a model for recognizing videos. 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 ever-changing risks. It can detect various scenes in videos/video streams 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 and other non-compliant content to filter videos of custom violation types. The recognition results include three categories: normal, suspected, and non-compliant. We recommend you allow normal videos, manually review suspected videos, and block non-compliant videos, 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.

Features

Last updated : 2023-12-21 17:06:05

Porn Recognition

VM recognizes and filters videos involving multiple types of porn, including nudity, obscure porn, comic porn, pornographic objects, and sexual behavior.

Ad Recognition

VM recognizes and filters various forms of video ads, such as normal product ads and prostitution ads.

Meaningless Audio Recognition

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

Language Recognition

Currently only Chinese is supported.

Custom Content Recognition

VM 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.

Strengths

Last updated : 2023-12-21 17:06:05

High Reliability

VM 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

VM 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 recognition policies so as to flexibly use the VM 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

VM is pay-as-you-go at a video recognition price as low as 1.8 USD/hour.

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

VM offers models created based on Tencent Cloud's 22 years of experience in product operations, which cover hundreds of violation types in different industries.

It has been successfully serving leading customers such as Xiaohongshu and Xiaoetong and won their trust and recognition.

Use Cases

Last updated : 2023-12-21 17:06:05

Interactive Live Streaming

VM provides Tencent Cloud live streaming and video service customers with a one-stop, low-latency solution that features video stream segmentation, recognition, storage, and automatic recognition. It can identify suspicious rooms and trigger alarms.

If you use Tencent Cloud video or live streaming solutions, you can quickly enable VM to prevent the dissemination of non-compliant content and reduce the risks to platform operations.

Content Resource

VM supports easy connection to various media/video resource libraries for one-stop automatic recognition.

It can capture frames and segment audio in lengthy videos, deliver a 99.9% availability, and provide 24/7 online technical support, guaranteeing the security of your resources.

Entertainment Social Networking

VM is widely used for various social networking platforms such as UGSV social networking and video sharing. 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

VM 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 users at all ages, particularly minors, creates favorable learning and growing environments, and improves the user experience.