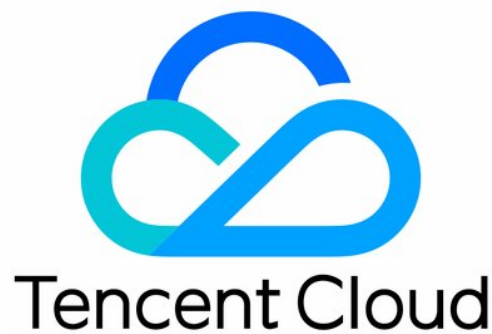


Media Processing Service

Release Notes and Announcements

Product Documentation



Copyright Notice

©2013-2024 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

Contents

Release Notes and Announcements

Release Notes

Announcements

MPS to Bill Audio/Video Enhancement, Intelligent Recognition, and Intelligent Analysis at Finer Granularity

Release of MPS 2.0

Announcement on the Official Billing for MPS Screencapturing and Animated Screenshot Generation Features

Release Notes and Announcements

Release Notes

Last updated : 2024-06-11 16:34:10

May 2024

| Update | Description | Release Date | Documentation |
|-----------------------------|---|--------------|---------------------------------|
| Revised console interaction | The console interaction is optimized entirely to support editing scheme and template parameters in the new module of creating a task, and skipping COS authorization. | May 24, 2024 | Creating a Task |

October 2023

| Update | Description | Release Date | Documentation |
|--|--|------------------|------------------------------|
| The console supports live stream processing. | The console supports live stream processing in modules of Live Tasks, Live Schemes, and Live Recording Templates. Users can use relevant features directly in the console. | October 10, 2023 | View details |

July 2022

| Update | Description | Release Date | Documentation |
|---------------|--|---------------|--------------------------|
| Released v2.0 | The console structure and interaction experience are optimized to display more comprehensive data statistics and provide a complete set of features. In addition, visual task management, drag-and-drop scheme configuration, AV1 encoding, video enhancement, and resource pack purchase are supported. | July 20, 2022 | Overview |

May 2022

| Update | Description | Release Date | Documentation |
|---------------------|-------------------------------|--------------|--------------------------|
| Renamed the product | The product is renamed "MPS". | May 25, 2022 | Overview |

December 2019

| Update | Description | Release Date | Documentation |
|---------------|--|-------------------|-----------------------------------|
| Released v1.3 | AI-enabled video processing templates are added, including smart video recognition and video analysis templates. | December 23, 2019 | Template Settings |

August 2017

| Update | Description | Release Date | Documentation |
|---------------|---|--------------|--------------------------|
| Released v1.2 | Audio/Video transcoding is a cloud-based audio/video transcoding and processing service provided for massive amounts of multimedia data. You can transcode audio/video files in cloud storage to formats compatible with OTT, PC, or mobile devices as needed and perform operations such as thumbnail capturing, editing, smart recognition, and encryption. | August, 2017 | Features |

June 2017

| Update | Description | Release Date | Documentation |
|---------------|---|--------------|--|
| Released v1.1 | The service is decoupled from COS and CDN. You can configure storage and acceleration in the COS and CDN consoles respectively. | June, 2017 | Authorization Management |

June 2015

| Update | Description | Release Date | Documentation |
|---------------|---|--------------|---|
| Released v1.0 | <p>The new product is released, which supports video upload, acceleration, download, transcoding, etc.:</p> <p>It supports upload over various protocols such as HTTP and TCP.</p> <p>It supports multipart upload, checkpoint restart, nearby upload for mobile users, and other features.</p> <p>It supports transcoding as well as watermark and thumbnail customization.</p> <p>It supports statistics collection and real-time quality monitoring.</p> | June, 2015 | Overview Video Upload Setting Workflow |

Announcements

MPS to Bill Audio/Video Enhancement, Intelligent Recognition, and Intelligent Analysis at Finer Granularity

Last updated : 2023-10-30 18:00:30

Starting from October 1, 2023, Beijing Time, the billing items related to audio and video enhancement, intelligent content recognition, and intelligent content analysis will be split and billed separately based on different sub-capabilities. The billing explanation after the split is as follows:

Audio and Video Enhancement

Billing is based on the duration after audio and video enhancement, with different rates for different resolutions and frame rates. The billing unit is USD/minute.

The specific billing details are as follows:

| Billing Item Name | Resolution | Frame Rate | | |
|---------------------|-------------------------|------------|----------|-----------|
| | | <=30 fps | <=60 fps | <=120 fps |
| SDR 2 HDR | —— | 0.0705 | | |
| Frame Interpolation | Resolution<=720P | 0.1058 | 0.2116 | 0.4233 |
| | 720< Resolution <=1080P | 0.2381 | 0.4762 | 0.9524 |
| | 1080P < Resolution <=2K | 0.4233 | 0.8466 | 1.6931 |
| | 2K< Resolution <=4K | 0.9524 | 1.9048 | 3.8095 |
| | 4K< Resolution <=8K | 3.8095 | 7.6190 | 15.2381 |
| Super Resolution | Resolution<=720P | 0.0529 | 0.0882 | 0.1940 |
| | 720< Resolution <=1080P | 0.1058 | 0.2116 | 0.4233 |
| | | | | |

| | | | | |
|---------------------|----------------------------|--------|---------|---------|
| | 1080P < Resolution <=2K | 0.1940 | 0.3704 | 0.7584 |
| | 2K< Resolution <=4K | 0.4233 | 0.8466 | 1.6931 |
| | 4K< Resolution <=8K | 1.6931 | 3.3862 | 6.7725 |
| Overall Enhancement | Resolution<=720P | 0.1411 | 0.2822 | 0.5644 |
| | 720< Resolution <=1080P | 0.3175 | 0.6349 | 1.2698 |
| | 1080P < Resolution <=2K | 0.5644 | 1.1287 | 2.2575 |
| | 2K< Resolution <=4K | 1.2698 | 2.5397 | 5.0794 |
| | 4K< Resolution <=8K | 5.0794 | 10.1587 | 20.3175 |
| Noise Reduction | Resolution<=720P | 0.0353 | 0.0705 | 0.1587 |
| | 720< Resolution <=1080P | 0.0882 | 0.1764 | 0.3527 |
| | 1080P < Resolution <=2K | 0.1587 | 0.3175 | 0.6349 |
| | 2K< Resolution <=4K | 0.3527 | 0.7055 | 1.4109 |
| | 4K< Resolution <=8K | 1.4109 | 2.8219 | 5.6437 |
| Color Enhancement | Resolution<=720P | 0.0176 | 0.0353 | 0.0705 |
| | 720< Resolution <=1080P | 0.0353 | 0.0705 | 0.1411 |
| | 1080P < Resolution <=2K | 0.0705 | 0.1235 | 0.2469 |
| | 2K< Resolution <=4K | 0.1411 | 0.2822 | 0.5644 |
| | 4K< Resolution <=8K | 0.5644 | 1.1287 | 2.2575 |
| Scratches Remove | Resolution<=720P | 0.1764 | 0.3527 | 0.7231 |
| | 720< Resolution <=1080P | 0.4056 | 0.8113 | 1.6226 |
| | 1080P < Resolution | 0.7231 | 1.4462 | 2.8924 |

| | | | | |
|-----------------------|-------------------------|--------|---------|---------|
| | <=2K | | | |
| | 2K< Resolution <=4K | 1.6226 | 3.2451 | 6.4903 |
| | 4K< Resolution <=8K | 6.4903 | 12.9806 | 25.9612 |
| Banding Removal | Resolution<=720P | 0.0176 | 0.0353 | 0.0705 |
| | 720< Resolution <=1080P | 0.0353 | 0.0705 | 0.1411 |
| | 1080P < Resolution <=2K | 0.0705 | 0.1235 | 0.2469 |
| | 2K< Resolution <=4K | 0.1411 | 0.2822 | 0.5644 |
| | 4K< Resolution <=8K | 0.5644 | 1.1287 | 2.2575 |
| Detail Enhancement | Resolution<=720P | 0.0071 | 0.0159 | 0.0317 |
| | 720< Resolution <=1080P | 0.0176 | 0.0353 | 0.0705 |
| | 1080P < Resolution <=2K | 0.0317 | 0.0635 | 0.1252 |
| | 2K< Resolution <=4K | 0.0705 | 0.1411 | 0.2822 |
| | 4K< Resolution <=8K | 0.2822 | 0.5644 | 1.1287 |
| Low-Light Enhancement | Resolution<=720P | 0.0176 | 0.0353 | 0.0705 |
| | 720< Resolution <=1080P | 0.0353 | 0.0705 | 0.1411 |
| | 1080P < Resolution <=2K | 0.0705 | 0.1235 | 0.2469 |
| | 2K< Resolution <=4K | 0.1411 | 0.2822 | 0.5644 |
| | 4K< Resolution <=8K | 0.5644 | 1.1287 | 2.2575 |
| Face Enhancement | Resolution<=720P | 0.1235 | 0.2293 | 0.4762 |
| | 720< Resolution <=1080P | 0.2646 | 0.5291 | 1.0582 |
| | 1080P < Resolution <=2K | 0.4762 | 0.9347 | 1.8871 |

| | | | | |
|------------------|-------------------------|--------|--------|---------|
| | 2K< Resolution <=4K | 1.0582 | 2.1164 | 4.2328 |
| | 4K< Resolution <=8K | 4.2328 | 8.4656 | 16.9312 |
| Font Enhancement | Resolution <=720P | 0.0705 | 0.1235 | 0.2469 |
| | 720< Resolution <=1080P | 0.1411 | 0.2646 | 0.5291 |
| | 1080P < Resolution <=2K | 0.2469 | 0.4762 | 0.9524 |
| | 2K< Resolution <=4K | 0.5291 | 1.0582 | 2.1164 |
| | 4K< Resolution <=8K | 2.1164 | 4.2328 | 8.4656 |

Billing Explanation

Billing Rule: Charges are based on the resolution and duration of the video after enhancement, with a daily billing cycle.

Billing Formula: Video Enhancement Processing Fee = Output File Duration (minutes) × Output File Different Resolution Unit Price (USD/minute).

For each video enhancement task executed, only one fee is charged. Within a billing cycle, if the duration is less than one minute, it will be calculated as one minute.

Intelligent Content Recognition

Intelligent Content Recognition uses AI technology to recognize video content, including face recognition, text recognition, speech recognition, speech translation, and object recognition. The billing unit is USD/minute.

The specific billing details are as follows:

| Billing Item | Price (USD/minute) |
|--------------------|--------------------|
| Face Recognition | 0.0088 |
| Text Recognition | 0.0176 |
| Speech Recognition | 0.0053 |
| Speech Translation | 0.0529 |
| Object Recognition | 0.0176 |

Billing Explanation

Billing Formula: Content Intelligent Recognition Fee = Video Source Duration (minutes) × Content Intelligent Recognition Unit Price (USD/minute) .

For each content intelligent recognition task executed, only one fee is charged. Within a billing cycle, if the duration is less than one minute, it will be calculated as one minute.

Intelligent Content Analysis

Intelligent Content Analysis uses video AI technology and a massive sample database to analyze and process video content, including video tagging, video classification, smart cover, frame-by-frame tagging, video segmentation, highlights, and opening and closing credits analysis. The billing unit is USD/minute.

| Billing Item | Price (USD/minute) |
|--------------------------------------|--------------------|
| Video Tagging | 0.0071 |
| Video Classification | 0.0071 |
| Smart Cover | 0.0071 |
| Frame-by-Frame Tagging | 0.0265 |
| Video Segmentation | 0.0071 |
| Highlights | 0.0176 |
| Opening and Closing Credits Analysis | 0.0026 |

Billing Explanation

Billing Formula: Content Intelligent Analysis Fee = Video Source Duration (minutes) × Content Intelligent Analysis Unit Price (USD/minute) .

For each content intelligent analysis task executed, only one fee is charged. Within a billing cycle, if the duration is less than one minute, it will be calculated as one minute.

2023-08-31

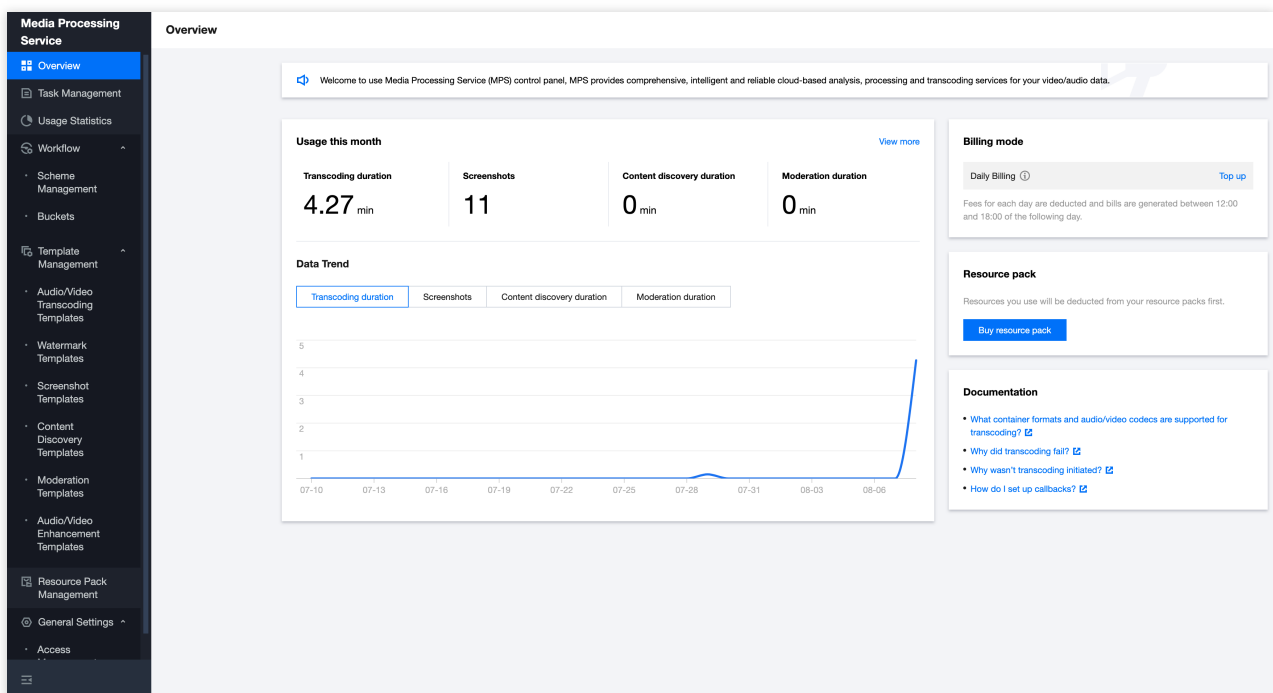
Tencent Cloud

Release of MPS 2.0

Last updated : 2022-08-10 15:36:52

To enable you to better use MPS and configure required service capabilities more easily, MPS features, capabilities, and user interaction have been upgraded in several ways:

Comprehensive and visual product usage data: You can view comprehensive data on the [Overview](#) and [Usage Statistics](#) pages.



Improved task management and operation pages: You can manually create a task on the [Create task](#) page. You can also view task and subtask information and manage tasks on the [Task management](#) page.

Media Processing Service

Task management

This page shows only tasks in the past three days.

Create task

Enter task ID. Separate multiple IDs with ;

| Task ID | Status | Creation time | End time | Operation |
|--|-----------|---------------------|---------------------|--|
| 2600005752-ScheduleTask-6af58c164e2cae11935e4993dfdc2e462tt7 | Completed | 2022-08-08 16:50:04 | 2022-08-08 16:51:59 | Hide details Restart End Play source video |

| Subtask No. | Subtask status | Subtask type | Start time | End time | Output | Operation |
|-------------|----------------|--------------|---------------------|---------------------|--|---|
| 1 | Successful | Transcoding | 2022-08-08 16:50:04 | 2022-08-08 16:51:45 | chenhu01-1306038592/alexander_chang-waterfront_park_portland_tr... | Details Play Download |
| 2 | Successful | Transcoding | 2022-08-08 16:50:04 | 2022-08-08 16:50:35 | chenhu01-1306038592/alexander_chang-waterfront_park_portland_tr... | Details Play Download |
| 3 | Successful | Screenshot | 2022-08-08 16:50:04 | 2022-08-08 16:51:58 | chenhu01-1306038592/alexander_chang-waterfront_park_portland_tr... | Details View Download |

Total items: 1

10 / page

1 / 1 page

More template capabilities: You can configure required capabilities more easily, and AV1 encoding and video enhancement template capabilities are now available on the [Template Management](#) page.

Media Processing Service

Create template

Template name

Support Chinese characters, letters, digits, underscores, hyphens, and dots, with a length of up to 64 chars.

Container format: MP4

Type: ☒ Video enhancement ☐ Audio enhancement (coming soon)

Basic settings

Encoding standard: H.264

Resolution: Long side px, Short side px, Set by long and short sides

Video's long and short sides should be 0 or between 128 and 4096, with 0 indicating that it is same as source file.

Details

Frame rate: 0 fps

Value range: 0-100. Enter 0 to keep the original resolution.

Super resolution: ☒ High resolution model

Low-light enhancement: ☒

HDR: ☒ HDR10

Overall enhancement: ☒ weak normal strong

Color enhancement: ☐

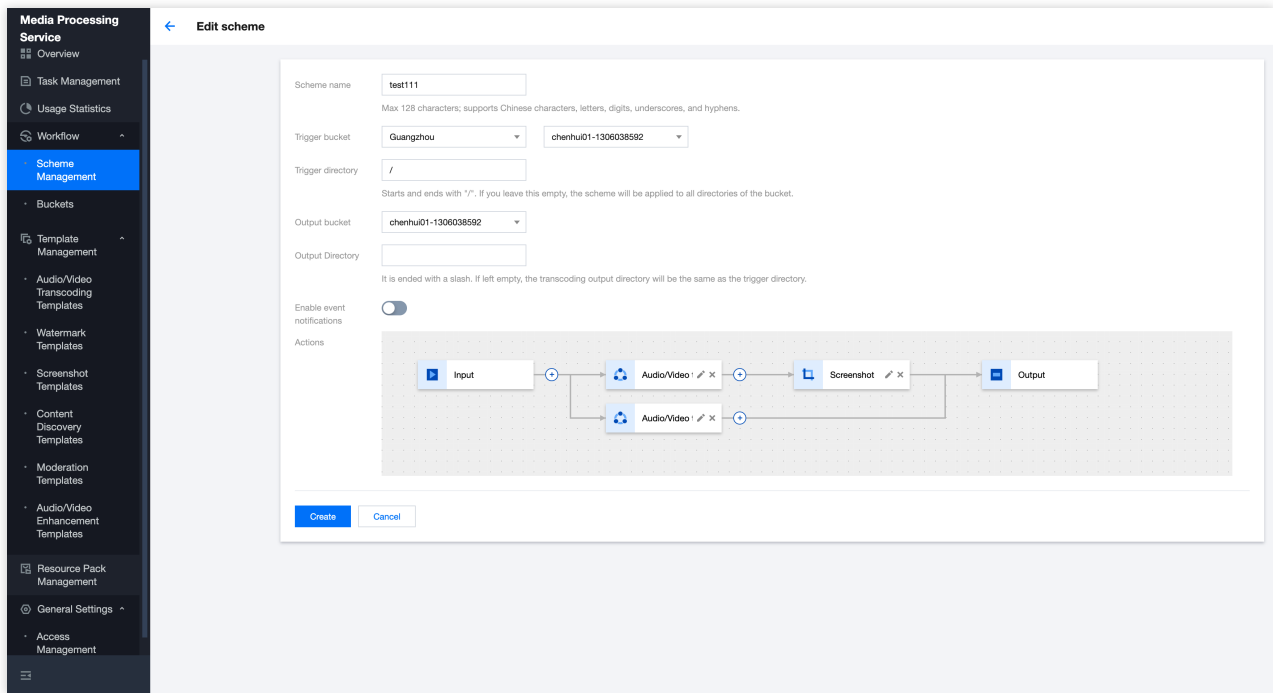
Detail enhancement: ☐

Face enhancement: ☒ 0 1.0

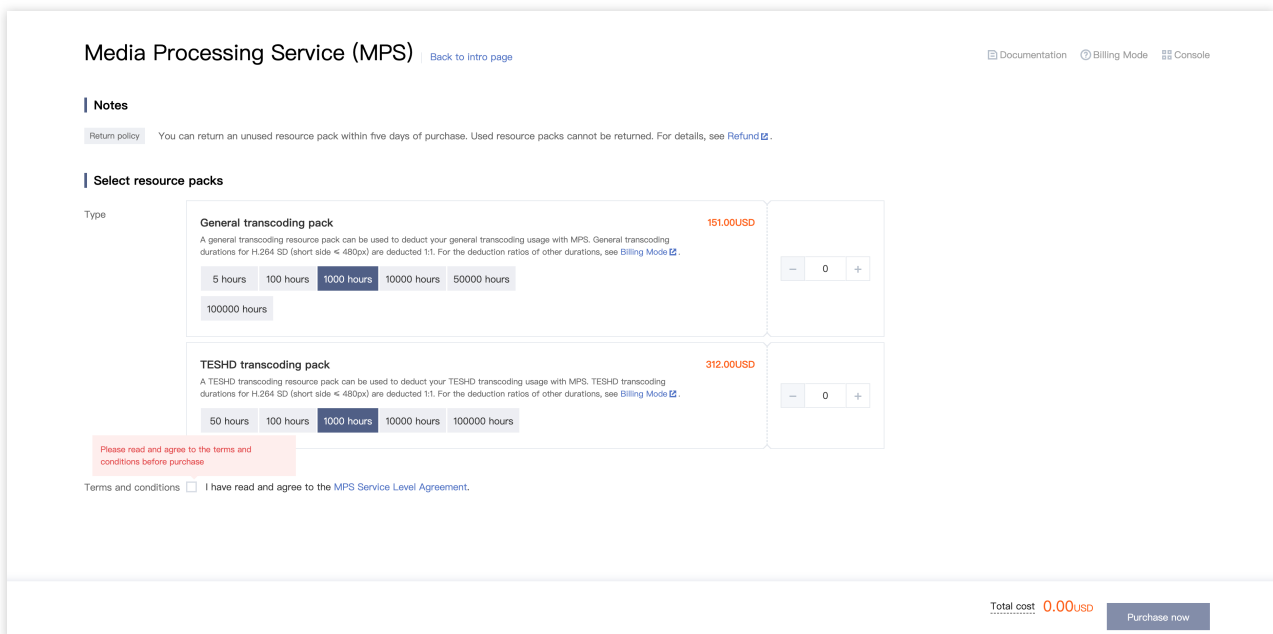
Banding removal: ☐

Smoothing: ☐

Drag-and-drop scheme configuration: You can create and configure media processing schemes easily using drag-and-drop operations with zero code required on the [Scheme Management](#) page.



Cost-effective resource packs. You can purchase resource packs on the [MPS purchase page](#). For billing details, see [Prepaid Resource Packs](#).



If you have any questions, feel free to [contact us](#).

July 20, 2022

Tencent Cloud

Announcement on the Official Billing for MPS Screencapturing and Animated Screenshot Generation Features

Last updated : 2023-08-31 16:23:12

The MPS video screencapture and video animated screenshot features will officially start charging from October 1, 2023. The specific pricing and billing rules are as follows:

Screencapturing

MPS can perform screencapture processing on videos. Using the screencapture feature will incur costs, which are settled based on the accumulated number of video screencaptures on that day.

The screenshot files generated by video screencaptures are stored in the Cloud Object Storage (COS). For related costs, please refer to [COS Pricing](#).

Using the screencapture feature will incur costs, with the billing unit being: **USD/Thousand**.

Below are the pricing details:

| Item | Billed By | Price (USD/1,000 screenshots) |
|-----------------|-----------------------|-------------------------------|
| Screencapturing | Number of screenshots | 0.0176 |

Billing details

Billing formula: Screencapturing fees = The number (thousand) of screenshots taken x Unit price (USD/1,000 screenshots)

The number of screenshots is calculated each day and is rounded up to the nearest thousand.

Payment method: Postpaid.

Billing cycle: Daily. The fees incurred each day are billed and deducted from your account balance between 12:00 and 18:00 the following day.

Animated screenshot generation

MPS can take animated screenshots from a video. Using this feature will incur animated screenshot generation fees.

Below are the pricing details:

| | |
|--|--|
| | |
|--|--|

| Output Resolution | Price (USD/min) |
|----------------------------|-----------------|
| 4K (short side ≤ 2160 px) | 0.0421 |
| 2K (short side ≤ 1440 px) | 0.0206 |
| FHD (short side ≤ 1080 px) | 0.0095 |
| HD (short side ≤ 720 px) | 0.0049 |
| SD (short side ≤ 480 px) | 0.0024 |

Billing details

Billing formula: Animated screenshot generation fees = Screenshot duration (minutes) x Unit price (USD/minute)

Each screenshot generation task is billed only once. Screenshot duration is rounded up to the nearest minute.

Payment method: Postpaid.

Billing cycle: Daily. The fees incurred each day are billed and deducted from your account balance between 12:00 and 18:00 the following day.

The effective date of this price adjustment is October 1, 2023. Please pay attention to the new billing method and balance changes, and make timely business adjustments. For other considerations, please refer to the MPS [Pay-As-You-Go](#) billing. If you have any questions, please feel free to [Contact Us](#). We sincerely appreciate the trust and support of all users for Tencent Cloud MPS products!

2023-08-31

Tencent Cloud