Media Processing Service

Release Notes and Announcements

Product Documentation

Contents

Release Notes and Announcements

Release Notes

Last updated：2024-12-16 16:53:52

November 2024

Update	Description	Release Date	Documentation
Update of the audio/video transcoding template	Parameters such as the bitrate control mode, GOP, and segment duration can be customized. Top Speed Codec (TSC) transcoding allows selection of suitable video scenarios and transcoding strategies (such as extreme compression and standard compression).	November 2024	Audio/Video Transcoding Template

October 2024

Update	Description	Release Date	Documentation
Media AI features	Supports smart captions and subtitles, smart erase, horizontal-to-vertical video transformation, LLM summariz4, and so on.	October 2024	Learn More

August 2024

Update	Description	Release Date	Documentation
New Terminal SDK Features	Launched new Terminal SDK features, which can be experienced after activating a test License.	August 28, 2024	Terminal SDK

June 2024

Update	Description	Release Date	Documentation
New Video Evaluation Feature	The console now includes a new video evaluation feature, supporting PSNR, SSIM, VMAF video quality evaluation, and BD-Rate evaluation.	June 6, 2024	Video Quality Assessment

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	July 20, 2022	Overview

	enhancement, and resource pack purchase are supported.		

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	June, 2017	Authorization Management

	acceleration in the COS and CDN consoles respectively.		

June 2015

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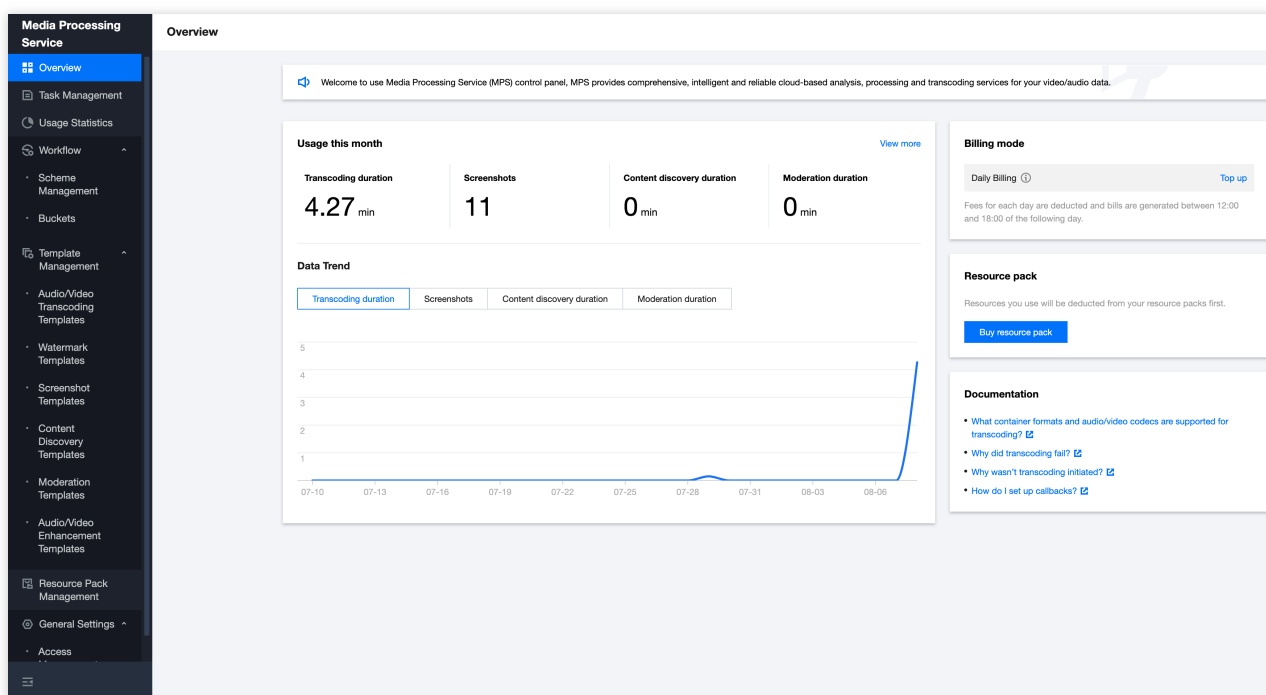

Improved task management and operation pages: You can manually create a task on the Create task page. You can also view task and subtask information and manage tasks on the Task management page.
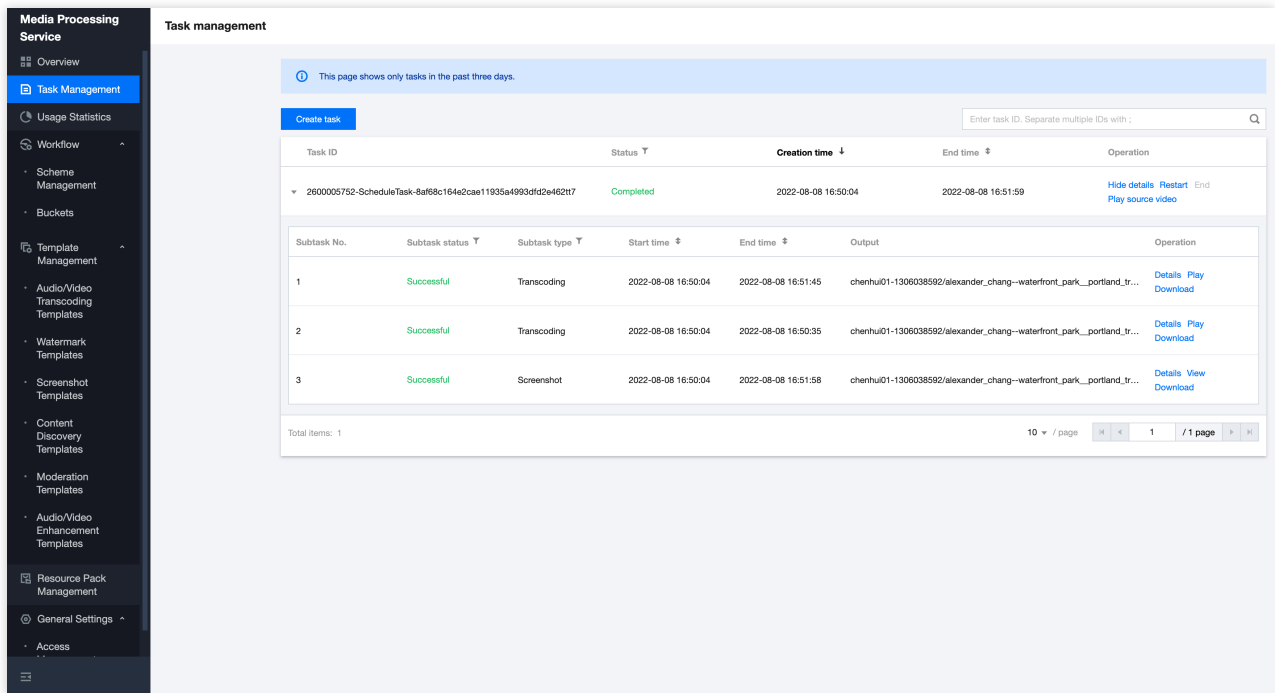
More template capabilities: You can configure required capabilities more easily, and AV1 encoding and video enhancement template capabilities are now available on the Template Management page.
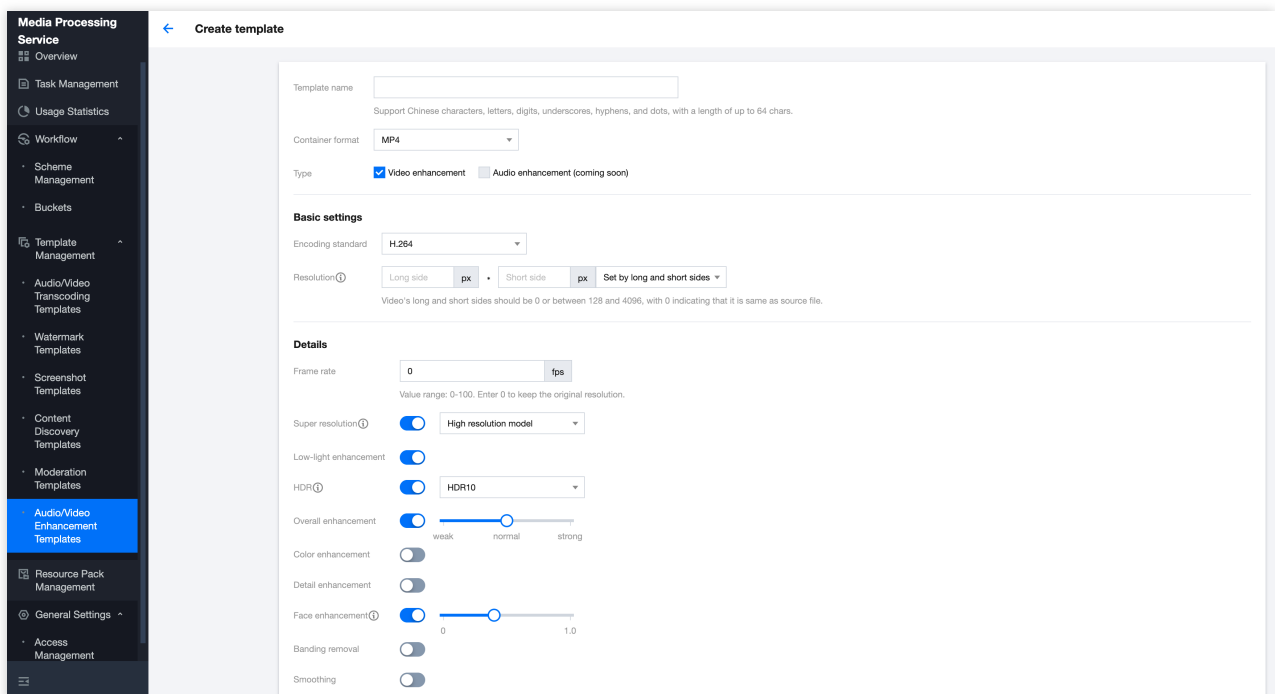
Drag-and-drop scheme configuration: You can create and configure media processing schemes easily using drag-and-drop operations with zero code required on the Scheme Management page.
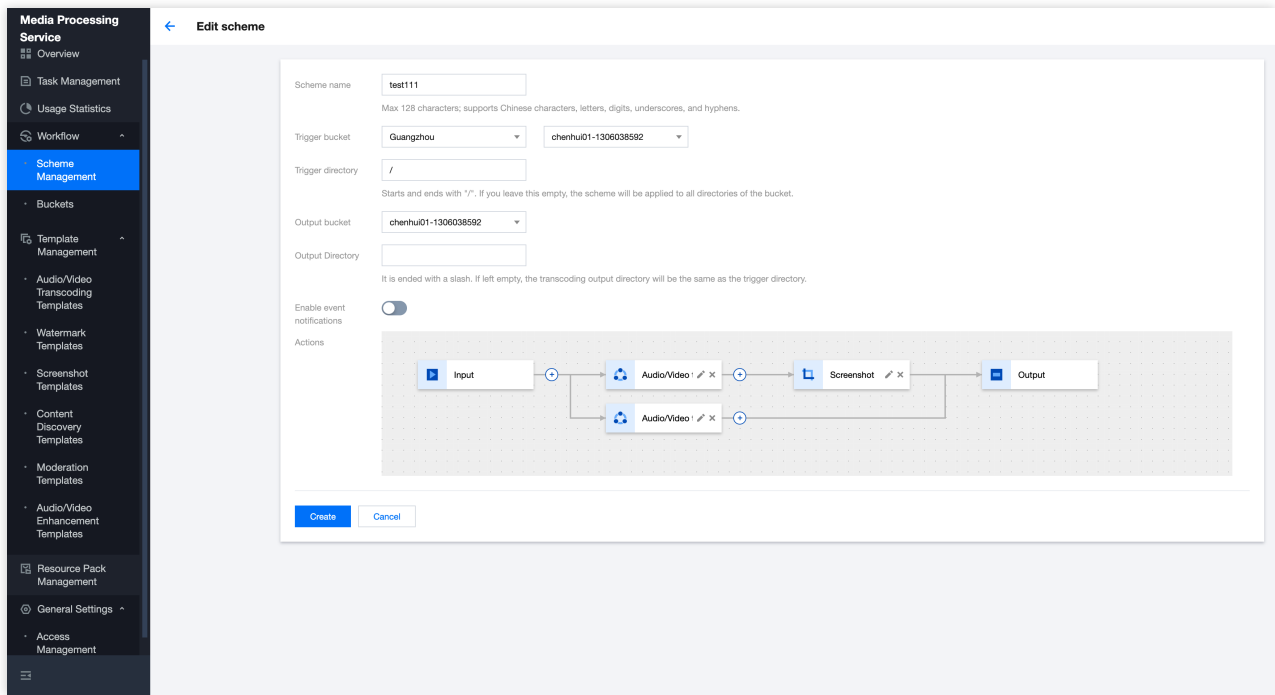
Cost-effective resource packs. You can purchase resource packs on the MPS purchase page. For billing details, see Prepaid Resource Packs.
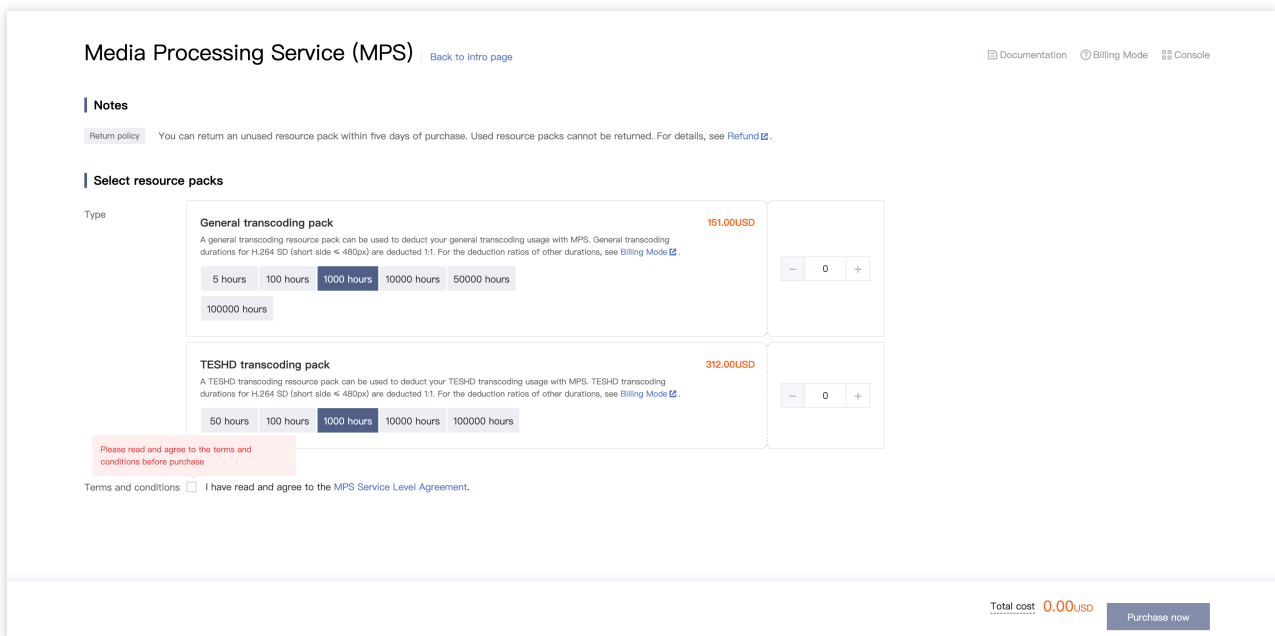
If you have any questions, feel free to contact us.

July 20, 2022

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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

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