

Effects SDK Help Developers and Businesses Meet Users' Growing Expectations and Scale Their Products

Effects SDK 2024 Updates Enhance Video Communication With AI-Driven Features, Performance Optimizations, and Expanded Compatibility Across Devices and Platforms

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/EINPresswire.com/ -- In 2024, [Effects SDK](#), a trusted provider of AI-powered solutions for live audio and video communication, released several key updates designed to improve video

quality, reduce system resource usage, and expand cross-platform compatibility. These updates help businesses and developers meet the growing expectations of users, introducing new product features, making video communication smoother and more accessible across devices.



These updates improve video quality, performance, and cross-platform versatility, helping our partners enhance their products and deliver the best user experience”

Max Troshin, Co-Founder and CEO of Effects SDK



AI Video Sharpness: Enhanced Visual Clarity

A standout feature of the 2024 release is AI Video Sharpness, which improves video detail and clarity in real time. By integrating this feature into a video platform or service, you enable end users to enhance their video quality, providing a sharper, more detailed picture—even when using older or built-in webcams.

Enhancing Video Processing With WebGPU

To meet the demands of modern web applications, Effects SDK has introduced WebGPU support in the web version of its Video Effects SDK. This update enables faster, more efficient rendering of high-quality video streams. Many popular AI features, such as background replacement, blurring, and skin smoothing, rely on video segmentation and require intensive graphical

processing. The introduction of WebGPU accelerates video processing, significantly improving frame rates and reducing latency, ensuring a smoother, more responsive experience—particularly for users accessing platforms through web browsers or on devices with high graphical demands.

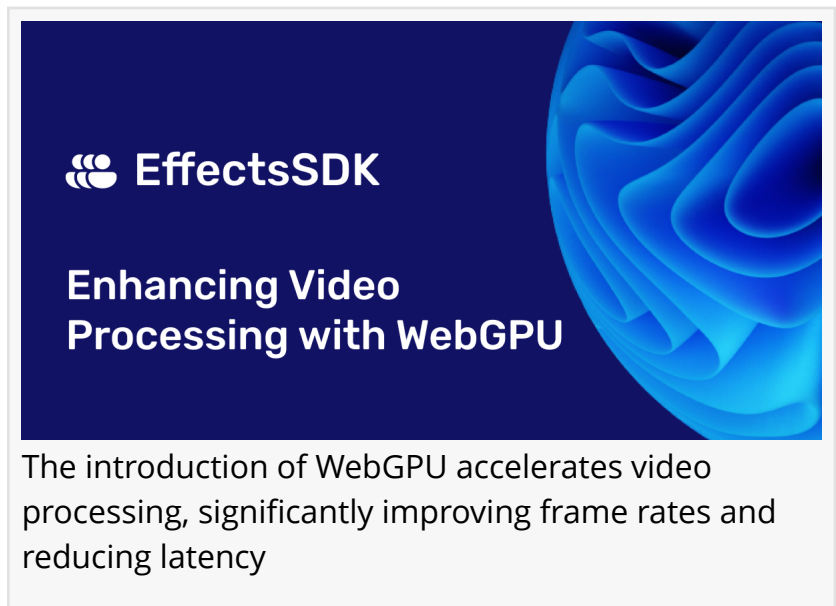
50% Reduction in CPU Usage:
Improved Efficiency

In an effort to make video services more efficient, Effects SDK has reduced CPU usage by 50%. This optimization ensures that services using the SDK consume fewer system resources, resulting in better performance on devices with limited processing power. This reduction in CPU load leads to smoother video playback, even when multiple applications or heavy workloads are running concurrently.

30 FPS on a Wide Range of Devices

Recognizing the diversity of devices used by end users, Effects SDK now supports 30 frames per second (FPS) on a broad range of devices, including smartphones, tablets, laptops, and desktops. This ensures that users—regardless of whether they are using older or less powerful hardware—can still enjoy a smooth, high-quality video communication experience with minimal buffering or lag.

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The image shows a promotional graphic for EffectsSDK. It features a dark blue background with a stylized, glowing blue sphere on the right side. The text "EffectsSDK" is prominently displayed in white, with a logo consisting of three white circles to its left. Below this, the text "Enhancing Video Processing with WebGPU" is written in a smaller white font. At the bottom of the graphic, a white box contains the text: "The introduction of WebGPU accelerates video processing, significantly improving frame rates and reducing latency".

EffectsSDK

Enhancing Video Processing with WebGPU

The introduction of WebGPU accelerates video processing, significantly improving frame rates and reducing latency

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