



ALLIANCE FOR  
OPEN MEDIA



# AOMedia Decoder

May 2024 Issue

Greetings,

The Alliance for Open Media has had an exciting and productive start to 2024. Highlights include AV1 sessions at CES, Mile High Video and the NAB Show; great outputs and progress from our working groups; and the return of former member Bilibili. Thank you to all our members as we progress through what is sure to be an eventful year for the organization.

## AV1 and IAMF Representation at Industry Events

Since the start of the year, our members have been busy at key industry events, educating audiences on the importance and value of AV1, IAMF and related technologies.

In January, AOMedia member VeriSilicon highlighted AV1 at CES in Las Vegas, where they showcased the company's latest AV1 encoder/decoder technology. In February, several members headed to Denver for Mile High Video. There, representatives from Meta, Visionular and Ateme presented on a variety of AV1-related topics, including advances in film-grain encoding and AV1-compatible film grain modeling. Additionally, Anne Aaron, Senior Director, Encoding Tech at Netflix and Shan Liu, Distinguished Scientist and General Manager at Tencent, spoke on a special panel at the event, titled *Advanced Video Coding: The Future Outlook to the Next 5 Years*.

Also in February, at [Streaming Media Connect 2024](#), Meta's Hassene Tmar, Netflix's Andrey Norkin and AMD's Sean Gardner spoke with Tim Siglin of the Help Me Stream Research Foundation on codecs and weighed in on AV1. Tmar noted, "It's been quoted publicly that more than 70% of our watch time on iOS is already in AV1, and that number is growing." Norkin said, "...in the past year, there has been quite an uptake in AV1 streaming..." Gardner highlighted how "AV1 [works best] for some applications." Watch the clip [here](#).

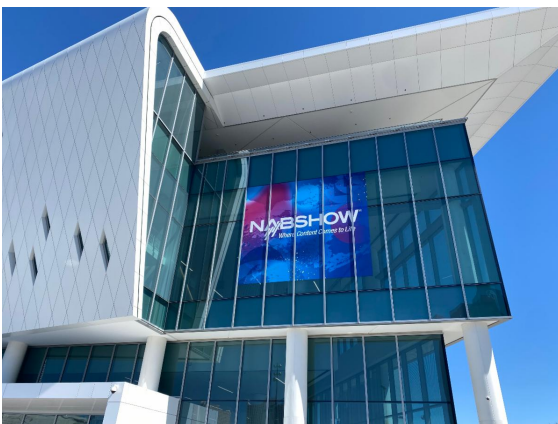
Moving into March, Google's Jani Huoponen joined a SXSW panel titled, *How Immersive Audio Can Deliver Powerful Experiences*, in which he shared how AOMedia's first IAMF container spec will transform audio experiences and empower the creation of the immersive audio that consumers love.



# mhv/2024



Finally, in April we headed to NAB in Las Vegas, where four members – AWS, Ateme, Bitmovin and Visionular – hosted booths and shared next-gen video compression technology, exciting AV1 encoding demos, and more. Additionally, AOMedia hosted a successful reception that brought together nearly 50 AOMedia members from around the world for refreshments, exciting discussions and networking. Thank you to AOMedia member Intel for providing the space for this event!



## New Specs and Technical Updates

AOMedia working groups have also been hard at work this year advancing technology and updating specs. The 2024 achievements to date include:

- The release of libavif v1.0.4, a patch update that delivers a few important fixes and serves as a stepping stone to the release of v1.1.0. [Learn more on our blog.](#)
- The release of AFGS1, a new standalone film grain synthesis (FGS) specification that is ready for use with the most modern video codecs without modifications to the codec. [Read the full blog for more.](#)
- The availability of SVT-AV1 v2.0, a software update to the SVT-AV1 encoder project. The Scalable Video Technology for AV1 (SVT-AV1) is an AOMedia project that provides an AV1-compliant encoder/decoder library. It aims to develop a high-quality AV1 encoder suitable for various applications, covering use cases from premium Video-on-Demand (VOD) to real-time encoding/transcoding. [Learn more in this recent post.](#)

## Welcome (Back) to Bilibili

In March, AOMedia welcomed back former member Bilibili. The video-sharing website out of Shanghai had been a member previously, and after a brief hiatus has decided to return to the AOMedia family. Welcome back!



## AOMedia and AV1 in the News

- Microsoft shared how it plans to enhance [screen sharing with AV1 in Microsoft Teams](#), noting lowered bandwidth by 63% compared to the H.264 video codec
- At the Streaming Media Connect 2024 event, experts from AMD, Meta, Netflix & more discussed how [AV1 and other codecs](#) are taking over the codec scene
- In this blog, Meta shared how they observed significant benefits to their real-time communication (RTC) apps by [adopting the AV1 codec](#)
- Ateame discussed how the AV1 codec is well-poised to [change the future of video compression](#)
- Twitch, OBS and NVIDIA released multi-encode [live streaming using AV1](#), which provided 40% more encoding efficiency than a competing codec

## AV1 Resources

The following are Alliance member AV1 dedicated resource pages.

- AOMedia Summit: <https://aom-summit.livevideostack.com/>
- SVT-AV1: <https://gitlab.com/AOMediaCodec/SVT-AV1>
- Mozilla: <https://research.mozilla.org/av1-media-codecs/>
- Visionular: <https://www.visionular.com/#portfolio>
- Vimeo: The [Staff Picks channel](#) is delivered using the AV1 codec on supported platforms



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