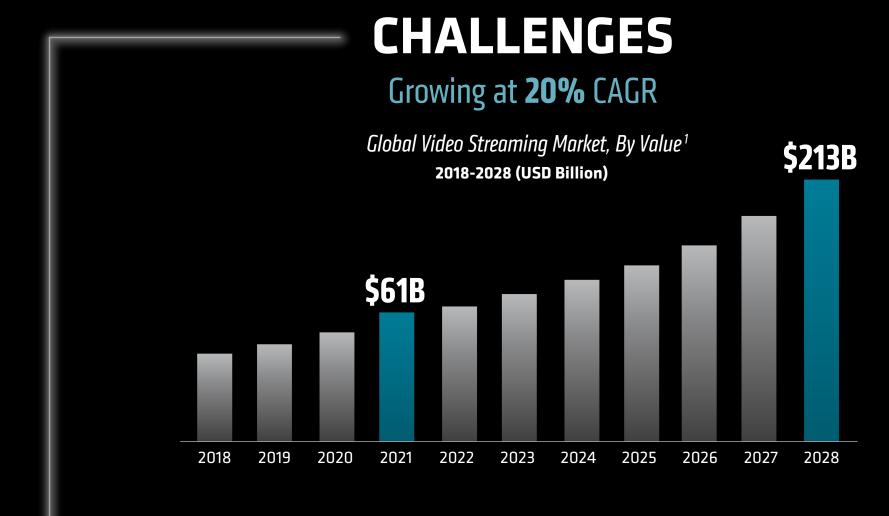


AMD ALVEO™ MA35D

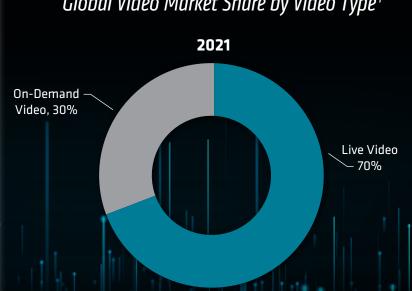
Unleashing Interactive Streaming at Scale

Efficiency Meets Performance



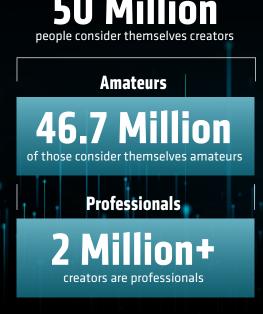
70% is Live Streaming

Global Video Market Share by Video Type¹



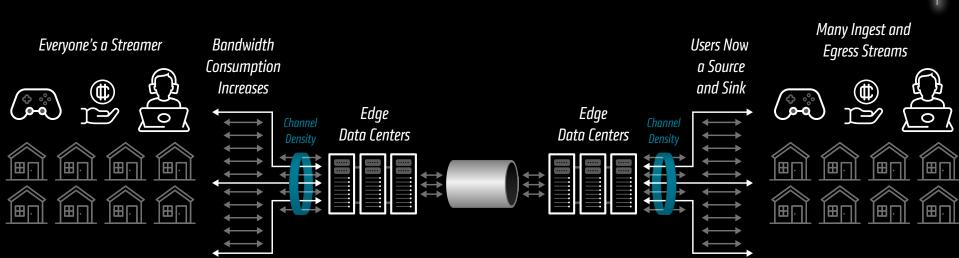
Enabling the Creator Economy "Everyone's a Streamer²"

AMDI



TRENDS

Next Generation Interactive Model: Many-to-Many



The Infrastructure Deployment Model Needs to Fundamentally Change

Cost Pressures for Live Streaming

Bandwidth

Compute compute needed for next gen standards (8K, 120fps, AV1 codec)3

of cost per user is bandwidth OPEX (cloud gaming)4

of power consumption comes from server / data center infrastructure⁵

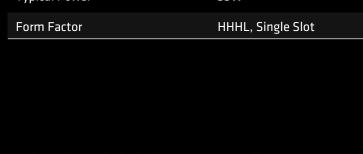
AMD Alveo™ MA35D Media Accelerator

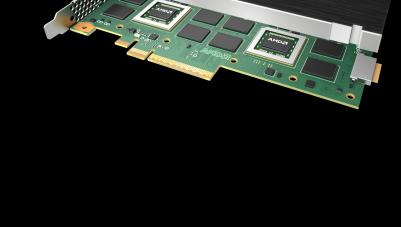
SOLUTION

High Density, Ultra-Low Latency Streaming

Cost-Effectively Scale for Emerging Applications # Streams x Resolution 8k 4kp60 | 32x 1080p60 Formats AV1, H.265 (HEVC), H.264 **Typical Power** 35W

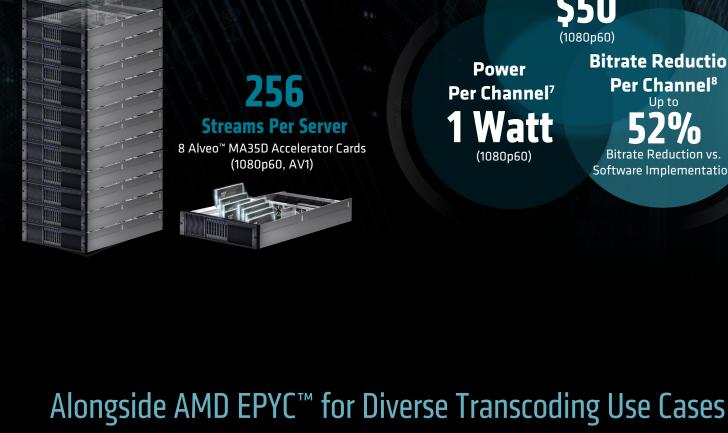
AI-Enabled, Intelligent Video Processing





Cost

Enabling Interactive Streaming Services at Scale



Bitrate Reduction Power Per Channel⁸ Per Channel⁷ Up to Bitrate Reduction vs. (1080p60)Software Implementation

Per Channel⁶

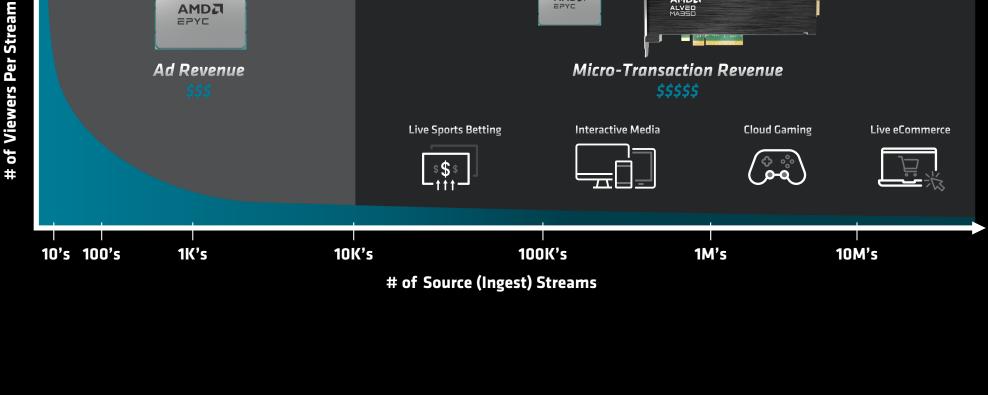
AMDA AMD

CPU transcoding for live broadcasting and on-demand streaming (few ingest streams) Server CPU

enabling new interactive media services

CPU + Media Accelerator for high volume streaming,

Host Media Accelerator



¹Bluewave Consulting and Research, March 2022 CAGR based on 2021-2028 ${}^2 Signal Fire's\ Creator\ Economy\ Market\ Cap:\ https://signal fire.com/blog/creator-economy/$

X265 Medium, and X265 Slow SW models across (13) publicly available video files at various resolutions and bitrates. Actual results may vary. ALV-006

³AMD Estimates ⁴Publishers: Calculate Your All-in Costs To Run Cloud Gaming Infrastructure https://parsec.app/blog/publishers-calculate-your-all-in-costs-to-run-cloud-gaming-infrastructure-on-aws-564559db3828 Age of data is 3 years from time of publish and may be subject to change.

⁶In published specifications, the Alveo MA35D MSRP is \$1,595 supporting up to 32x 1080p60 streams. ⁷Typical power for 8 4K streams or 32 1080p60 streams estimated at 35W, based on preliminary testing and subject to change. 50W Total Thermal Design Power (TDP) *Based on testing by AMD Labs in March 2023, using the VMAF scores of Alveo MA35D H.264 encode, H.265 encode, and AV1 encode compared to the VMAF scores of open source x264 VeryFast,