

The Vecima + KeyFrame Advantage

Setting the new standard for video quality, bitrate reduction, and cost optimization for live broadcast, video on demand, and streaming applications



Significant Bitrate Reduction

Quality improvements and conditioning enable transcoding to lower bitrates by up to 60%, which drives significant cost savings across the video supply chain without sacrificing video quality while reducing storage and transmission costs.



Above-Source Quality

Deliver true 1080p and 4K, including denoising and artifact removal, spatial and temporal anti-aliasing, and artifact-free upscaling with our groundbreaking real-time video enhancement solution.



Real-Time Delivery

Extremely low latency solution with real-time processing, achieved with sub-30ms latency, ensuring seamless video delivery. Ideal for live streaming and interactive applications.

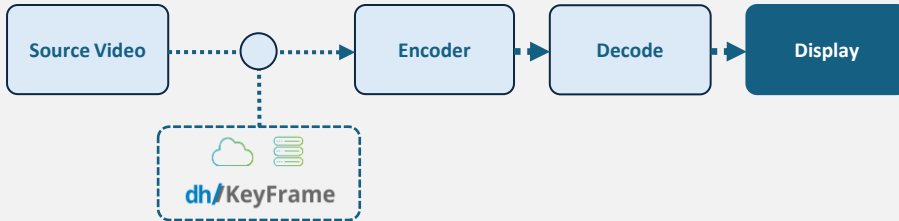


Improved Customer Engagement

Boost consumer engagement by reducing buffering, reducing latency, and ultimately reducing abandonment rate with an entirely improved video viewing quality experience.

Seamless Integration

Zero impact to existing encoding pipelines with "bump-in-the-wire" workflow solution operating on the server-side pre-encoder, whether on-prem or in the cloud.



KeyFrame Video Outcomes



Increase Clarity

KeyFrame enhances video clarity by conditioning high spatial frequencies and reducing entropy, producing the highest sharpening and clarity enhancement video solution seen in the market, making KeyFrame an essential tool for achieving the highest video quality in client workflows.



Color Vibrancy & Correction

Enhances video quality by adjusting and enriching color accuracy and vibrancy, ensuring that videos display a broader and more accurate color spectrum to produce 10-bit or 12-bit HDR with full use of color space, resulting in visually stunning and lifelike dynamic videos.



De-noise, De-artifact, Anti-alias

Leveraging our proprietary and AI/ML denoise and artifact removal solution, KeyFrame cleans up video by eliminating noise and unwanted artifacts & imperfections including glare, haze and lighting variations, creating smoother, clearer, and more enticing video output while maintaining the integrity of the original content.

Specifications

I/O Container Support

- MKV (Matroska)
- MP4
- MPEG-TS
- Y4M
- YUV
- MP4
- Streaming (UDP, SDI, SRT, RTP, RTSP)

I/O Video Codec Support

- AV1 (I, O¹)
- AVC / H.264 (I, O)
- HEVC / H.265 (I, O)
- MPEG1-4 (I)
- VP8 (I)
- VP9 (I)
- Y4M (I, O)
- YUV (I, O)

I/O Audio & Data Support

- Passthrough

Processing Configurations

- UI
- REST API
- Command Line Interface (CLI)

Alerting

- UI
- SNMP

Typical Use Case

- Live HD Stream
- VMAF Remains Constant
- 60% Bitrate Reduction

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Without KeyFrame

BITRATE

6
Mbps

QUALITY

97
(Excellent)

SAVINGS

0
GB/hr

/KF
With KeyFrame

BITRATE

2.5
Mbps

QUALITY

97
(Excellent)

SAVINGS

1.6
GB/hr