

Vecima is the Exclusive Global Reseller of Digital Harmonic's patented KeyFrame™ Media Optimization Solution, using real-time generative AI to enhance live linear and video on demand

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

By lowering bitrate up to 80%, realize dramatic cost savings throughout the video supply chain and reclaim QAM bandwidth.

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.

Storage & Transmission Savings

Compress your videos and reduce bitrate – without sacrificing video quality – saving storage, transmission costs and encoding time that goes right to your bottom line.

Improved Customer Engagement

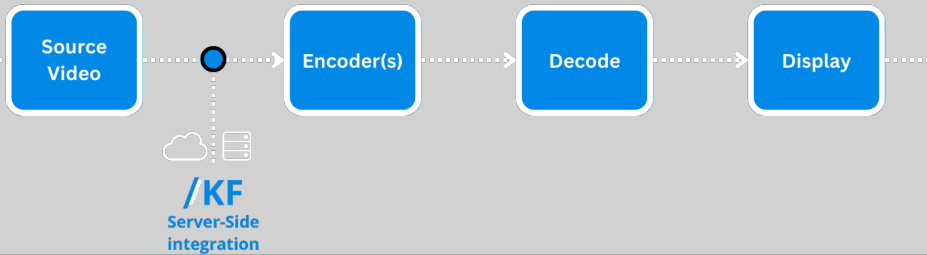
Boost consumer engagement by reducing buffering, reducing latency, and ultimately reducing abandonment rate with an entirely improved video viewing quality experience.

Codec Compatible

Codec agnostic, working with whichever leading Codec standard is currently deployed, providing superior video quality experience while future-proofing your video workflows.

Seamless Integration

Zero impact to existing encoding pipelines with “bump-in-the-wire” workflow solution, operating on the server-side pre-encoder – whether that’s on-prem or in the cloud.



KeyFrame Video Outcomes



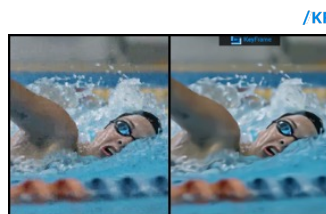
Increase Clarity

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

- YUV
- Y4M
- TS
- MP4
- MKV
- Streaming (UDP, SRT, RTSP)

I/O Video Codec Support

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

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

7KE	/KF
Without KeyFrame	With KeyFrame
BITRATE	BITRATE
6 Mbps	2.5 Mbps
QUALITY	QUALITY
97 (Excellent)	97 (Excellent)
SAVINGS	SAVINGS
0 GB/hr	1.6 GB/hr