

Unleash Hyperscale Streaming

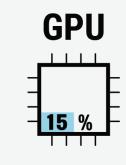
VPUs

The Only Silicon Purpose-Built to Scale Video to Billions

Streaming is broken because it's built with general-purpose hardware.

GPUs dabble in video. CPUs choke on it.

Neither was built for the demands of hyperscale streaming. They're slow, inefficient, and expensive.



15% Video Encoding85% Al Inference





0% Video Encoding100% General Compute

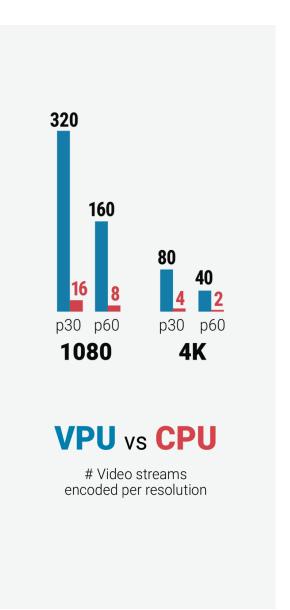


VPUs are the Only Game in Town.

VPUs don't dabble in video. They dominate it.

100% video-dedicated, delivering the scale, speed, and efficiency that CPUs and GPUs can't touch.

NETINT VPUs are the only commercially-available silicon built for hyperscale streaming.

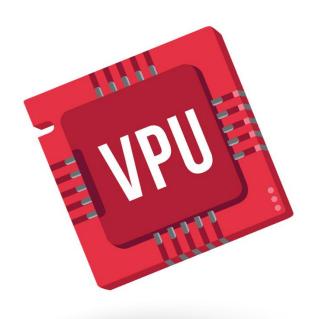




VPUs aren't an upgrade. They're a revolution.

The only silicon purpose-built to scale streaming to billions.

More than 150,000 VPUs have encoded over 1 Trillion minutes of video to date.





We are the VPU Category

Creators.

		00	G
1st Gen ASIC	2018	2019	2021
2nd Gen ASIC	2021	2022	_
ASIC with AV1	2021	-	-
ASIC with AI	2021	-	-



Design & Deployment of Efficient Hardware Video Accelerator for Cloud

160+
Engineers from leading silicon companies

3rd Gen VPU

Taping out in 2026



Founded in 2015 Vancouver, HQ + R&D Toronto, R&D





Infrastructure-as-a-Service (laaS)



- Significant and impressive cost reductions in monthly subscription costs and egress fees in a VPU infrastructure
- Enable high-density decoding and encoding in the cloud

VPU Plan	\$/mo	\$/hr	T1U VPUs	CPUs	RAM	Storage
Small	\$280	\$0.42	x 1	8	16 GB	200 GB
Medium	\$352	\$0.53	х1	12	24 GB	300 GB
Accelerated	\$488	\$0.73	x2	12	24 GB	300 GB

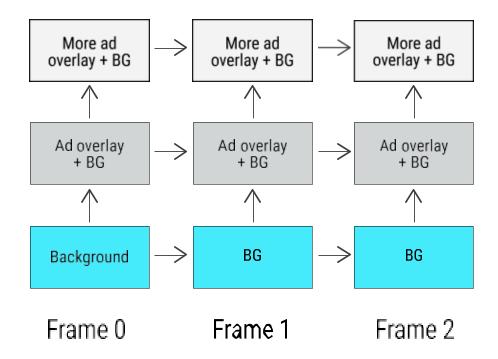
VPUs delivered:

- Mature and proven highdensity video transcoding solution in cloud with a large customer base
- Virtualization with PCIe VF/PF to separate management from transcoding service



Multilayer AV1 Encoding

Multiple layers for creative variations of ads and effects



VPUs delivered:

- Up to 4 layers (BL, EL1-3)
- Customizable reference structure
- Realtime 1080p60 performance

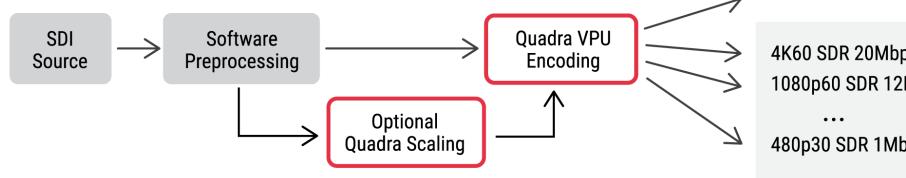


Live Contribution Encoding

- SDI Source Capture, high-quality, high-density
- Generates mezzanine stream and ABR ladder simultaneously
- Reduced latency and better quality-control compared with cloud ABR ladder generation

VPUs delivered:

- Encoding (e.g. 4K60 10-bit HEVC)
- ABR ladder generation (e.g. 4K/1080p/720p/480p with various codecs and bitrates)



Mezzanine 4K60 HDR 50 Mbps HEVC

4K60 SDR 20Mbps HEVC 1080p60 SDR 12Mbps HEVC ... 480p30 SDR 1Mbps AVC



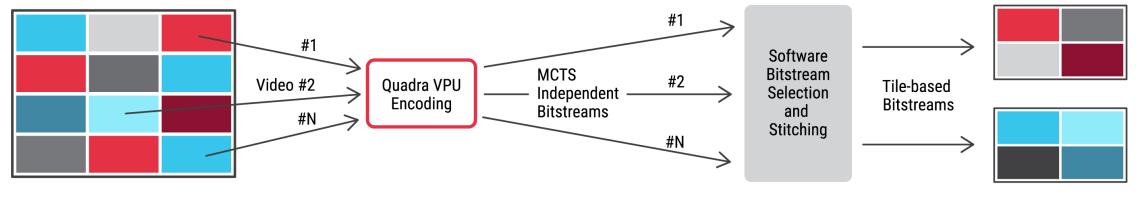
ABR Ladder

Multiview Encoding

- For live streaming multiple games simultaneously in user-defined quad split screen
- YouTube, NBA etc have this feature, ideal for fantasy sports, watching and betting

VPUs delivered:

- Stitching 4 independent bitstreams into one tile-based bitstream
- MCTS encoding to prevent motion vectors from crossing tile boundaries
- Encode only once for each stream, not for each combination







Quadra VPU Family.

- Encodes 32 x1080p30 per chip: AV1, HEVC, H.264
- Decodes 48 x1080p30 per chip: VP9, HEVC, H.264
- 4K & 8K HDR with scaling and graphics engine
- 18 TOPS AI engine per chip











Quadra Video Server.

Offload video processing functions like deinterlacing and MPEG-2 decoding to the CPU while VPUs supercharge your encoding operations.

320

simultaneous live 1080p30 encoding sessions at ultra-low latency in a compact 1RU server





Quadra Mini Server.

- Ideal for mobile broadcast on-site event recording and distribution of single stream with edge processing.
- Includes T1M Smart VPU
- Includes SDI capture card inside



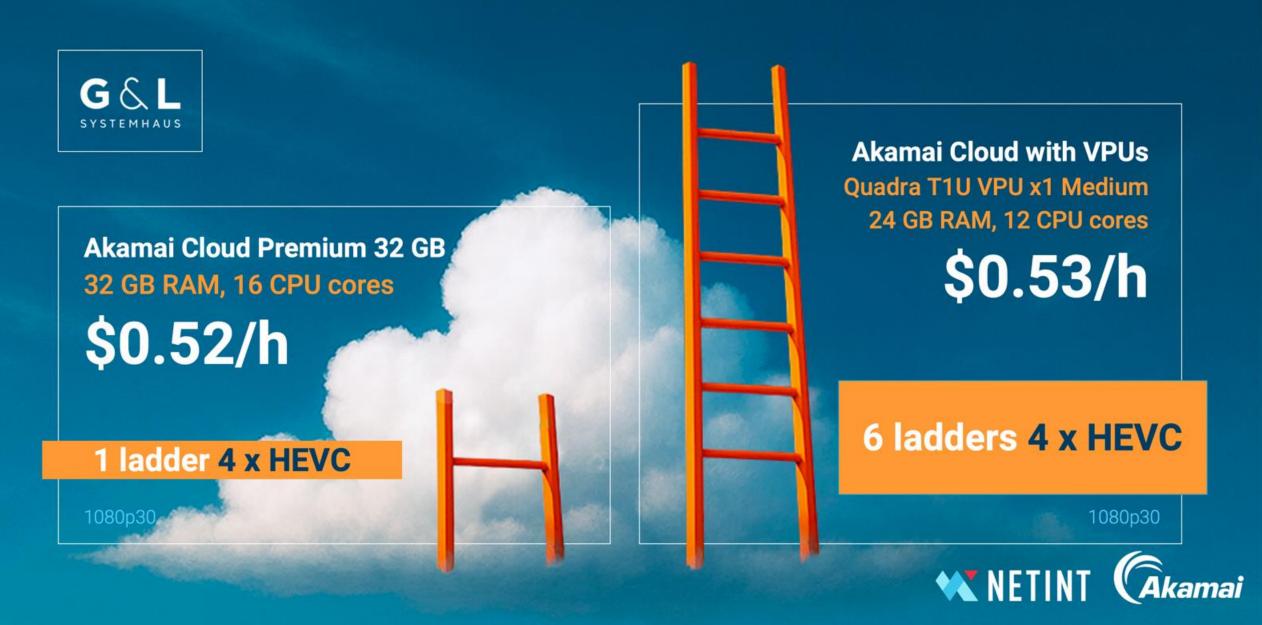






What about the cloud?

Cloud Premium CPU vs. Accelerated VPU



Here's what you get with VPUs:

Compared to our existing CPU Plan:

- About 75% less cost
- 9X more stream throughput
- Lowest egress costs in the industry

	Plan	# Channels	Per stream \$/mo	Egress Costs	
Akamai	CPU 16 GB RAM - 8 CPU Dedicated CPU Plan	2	\$72	\$5 per TB	
	VPU 2x Quadra T1U Accelerated VPU Plan		\$15.55	(\$0.005 / GB)	
aws	VT1 1x Xilinx U30 Media Accelerator Plan		\$62.72	\$90 per TB (\$0.09 / GB)	

Tame Data Egress Charges in the Public Cloud Gartner, September 2023 Up to 15% average annual cloud spend on egress fees.



FFmpeg power without the pain.

NETINT's Bitstreams™ replaces command lines with a friendly dashboard, ready-made templates, and always-on VPU optimization.

Manage, monitor, and scale without coding.

