

LIVE CASINO STREAMING • NEXT-GEN CODECS

Tech Art AV1 Encoder

Built for live casino studios: SDI capture with AV1 and H.265 encoding on an NVIDIA GeForce RTX 5090, under 10 ms latency, delivered directly into AWS over Direct Connect.



<10 ms Encoding latency	AV1 plus H.265 / HEVC	RTX 5090 NVIDIA GPU encoding	AWS Direct Connect delivery
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Next-generation codecs

AV1 and H.265 deliver higher picture quality per bit than H.264, so every live table looks sharper at lower bandwidth.

Broadcast-grade SDI input

SDI-only capture for clean, professional signal paths from studio cameras and switchers.

Under 10 ms latency

Hardware encoding on the RTX 5090 keeps the stream in step with the dealer, so players see the game in real time.

Direct cloud delivery

Streams go straight into AWS over Direct Connect, off the public internet.

Technical specifications

PLATFORM

GPU	NVIDIA GeForce RTX 5090
Processor	AMD Ryzen 5
Memory	32 GB RAM
Storage	256 GB NVMe SSD
Form factor	3U 19" rack-mount chassis

VIDEO INPUT

Capture card	Blackmagic DeckLink Duo
Interface	SDI only

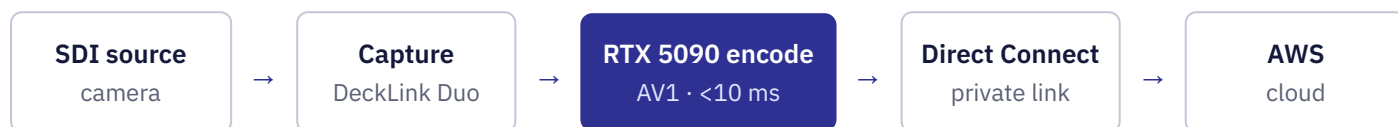
ENCODING

Codecs	AV1, H.265 / HEVC
Acceleration	GPU hardware encoding (RTX 5090)
Encoding latency	Under 10 ms
Live streams	2 streams (Full Studio) or up to 100 streams (Chroma Key)

CONNECTIVITY & DELIVERY

Cloud delivery	AWS via Direct Connect
Availability	In stock, international delivery

Signal flow



Order or request a quote

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