



KEY INFORMATION

Customer: Evercoast
Location: New York, USA



Ben Nunez
Co-founder & CEO



Cory Allen
Lead Technology Producer

BRINGING HOLLYWOOD-CALIBER 3D TECHNOLOGY TO THE MASSES



Evercoast, headquartered in Greenpoint, Brooklyn, is transforming 3D content capture and sharing. Leveraging cutting-edge volumetric capture technology, Evercoast is making Hollywood-caliber 3D production portable, cost-effective, and accessible to a broader audience. From real-time sports interviews to advanced academic research, Evercoast's solutions create stunning 3D visual experiences worldwide. Central to this innovation is their flagship software, Mavericks, which integrates multiple camera feeds into a full 3D asset.

THE CHALLENGES

Evercoast's volumetric capture solution involves surrounding a performer with cameras capturing different angles, which are stitched into a 3D digital asset using Mavericks software. A significant challenge was delivering real-time volumetric video with minimal lag, crucial for live applications like sports interviews and immersive classrooms. Additionally, they needed equipment capable of processing massive 3D datasets efficiently and with high visual fidelity to ensure accurate and lifelike captured assets.

"We're trying to take the kind of volumetric capture you see in Hollywood and make it portable and affordable," says Ben Nunez, co-founder and CEO of Evercoast. "But to do that, we need the most advanced technology available."





THE SOLUTION

ASUS NUC 14 Performance – Enabling real-time streaming and AI Pipelines

At the heart of the system is ASUS NUC 14 Performance, featuring an Intel® Core™ Ultra 9 processor and an NVIDIA® GeForce RTX™ 4070 discrete GPU. This setup allows Evercoast to render volumetric assets in real-time with minimal latency—critical for live-streaming applications. The result is a live-streamed 3D asset with only 300 to 500 milliseconds of lag, ensuring seamless real-time interactions for broadcasts or virtual interviews.

This small form factor PC is equipped with NPU (Neural Processing Unit) for machine learning and AI processing. This AI integration is critical for Evercoast as they move towards generative AI workflows, enhancing their ability to create immersive 3D experiences.

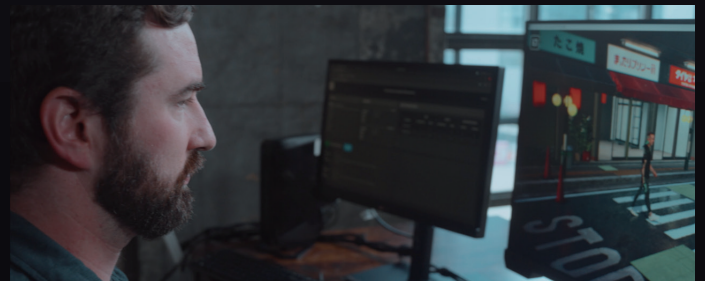
ProArt Display PA24US – Delivering Accurate On-set Color

One essential tool in Evercoast's on-set production is the ProArt Display PA24US, a 24" 4K HDR monitor with 12G SDI connectivity. Its built-in motorized colorimeter allows users to set it up in any color space in seconds. The high-quality ergonomic features make it easy to set up, mount, use, and pack away quickly—crucial for production companies that need to be mobile.

ProArt Display PA32UCXR - Ensuring Post-Production Precision

For post-production, Ben and the Evercoast team use the ProArt Display PA32UCXR 32-inch monitor. Its 4K UHD resolution, 10-bit color depth, and 1600-nits peak brightness ensure color accuracy and fidelity across all 3D captures.

"It's essential that what we see on-screen matches the final product," says Nunez. "Accurate color reproduction allows us to create assets indistinguishable from reality."



THE OUTCOME

Evercoast has established itself at the forefront of volumetric capture technology. Their advancements in real-time 3D streaming, coupled with ASUS ProArt displays and NUC, are revolutionizing a variety of fields, from entertainment to academia.

In the realm of sports broadcasting, Evercoast facilitates live 3D interviews with athletes. At major events such as the 2024 Paris Olympics, broadcasters can conduct and stream these global athlete interactions in real-time volumetric capture. This innovation breaks down geographical barriers while providing high-quality, instantaneous, and captivating content.

"The future of 3D content is limitless," Nunez concludes. "And thanks to ASUS' solution, we're bringing that future to life today."

PRODUCT INSTALLED



ProArt Display PA24US

23.6" UHD, 95% DCI-P3, 99% Adobe RGB, true 10-bit color depth, Built-in motorized colorimeter, 12G-SDI input connectivity, USB-C with 80W power delivery



ProArt Display PA32UCXR

32" UHD, 97% DCI-P3, 99% Adobe RGB, 2,304 zones Mini LED backlight, 1600nits peak brightness, Built-in motorized colorimeter, Thunderbolt™ 4 with 90W power delivery



ASUS NUC 14 Performance

Intel® Core™ Ultra 9 Processor, NVIDIA® GeForce RTX™ 4070 GPU, 64GB DDR5 RAM, 3TB SSD Storage



Case Study Video