

VIZ ENGINE:

The Real-Time Graphics Powerhouse for Broadcast Excellence

Viz Engine is the creative powerhouse bringing visual storytellers' boldest ideas to life, with no compromises.

Built for broadcasters and content creators who demand both visual impact and operational excellence, Viz Engine redefines what's possible in real-time 3D rendering, advanced compositing, and video playback. From photorealistic virtual sets and jaw-dropping AR graphics to fully synchronized video walls and data-driven overlays, Viz Engine is the beating heart of your production workflow.

Why Choose Viz Engine?

Viz Engine is designed to reduce infrastructure complexity and lower Total Cost of Ownership – all while increasing graphics production output with fewer resources, and it seamlessly integrates with your existing workflows.

- **No Trade-Offs:** Broadcast-quality graphics without sacrificing technical simplicity or workflow efficiency.

- **Unified Platform:** Replace fragmented, legacy graphics tools with a single solution that scales—on-prem or in the cloud.
- **Cross-Platform Reach:** Output to linear, digital, OTT, or social media simultaneously.

Your Vision – No Compromise

Technology leaders want streamlined, scalable systems. Creative Directors want to captivate audiences. Viz Engine is the rare solution that delivers both. It powers immersive, format-flexible graphics across any output—linear, digital, OTT—with more tools, smarter workflows, and limitless visual potential.

With support for any rendering pipeline and unrivaled performance, Viz Engine turns even the most ambitious idea into an achievable reality.

TRUSTED BY



END THE TRADE-OFFS: ONLY VIZ ENGINE DELIVERS TECHNICAL SIMPLICITY

and Operational Efficiency that Leads to Creative Freedom

Whether you're charged with implementing the right mix of graphics technology or overseeing technical infrastructure, Viz Engine was designed to meet your evolving demands:

- Consolidate legacy systems and reduce operational complexity with a unified platform that scales—on-prem or in the cloud.
- Empower design teams to produce visually stunning, data-rich graphics with real-time feedback and end-to-end creative control.
- Lower total cost of ownership with a compositing and rendering engine that reduces hardware footprints, increases efficiency, and drives higher content ROI.

Unreal Engine 5® Integration

Viz Engine-5 introduced a completely new integration with Unreal Engine 5, one that set new benchmarks for ease of use and performance, plus control and asset management. It is a significant improvement to all previous Viz Engine/Unreal Engine integrations.

Reality Connect™

Reality Connect opens a new era of AI-driven 3D talent immersion within a virtual set by making real-time high-fidelity talent reflections and shadow casting possible – natively within Viz Engine and using only a single GPU. Reality Connect anchors the talent within a virtual set by employing various applications of AI pose estimation, including Vizrt's own Viz AI.

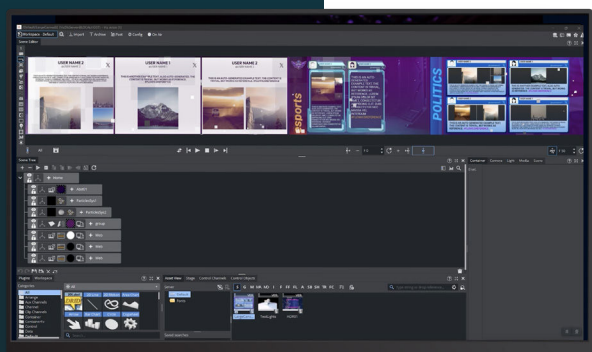
Platform Integration

The wide-ranging **platform connectivity** of Viz Engine enables the integration of customized control software, 600+ user-specific plug-ins, importing of models from Autodesk's Maya and 3ds Max, Maxon's Cinema4D, and Adobe After Effects, and support for multiple tracking systems.



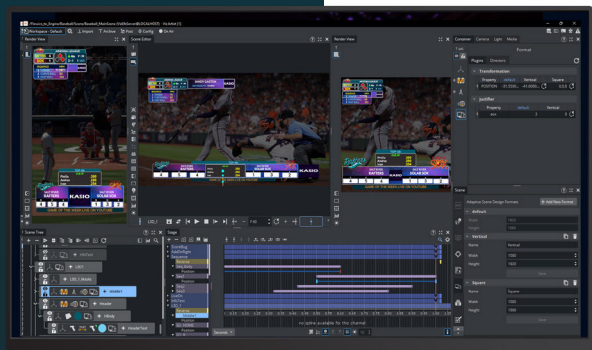
WHAT'S NEW IN VIZ ENGINE?

Whether it's lighting up massive LED video wall canvases without needing racks of hardware, publishing high-impact graphics across OTT, digital, and linear in one click, or finally unifying web-native and broadcast-native workflows – Viz Engine collapses complexity and expands what's creatively possible.



Large Canvas Video Wall Support: It's 1 Engine. Multiple screens. Maximum impact.

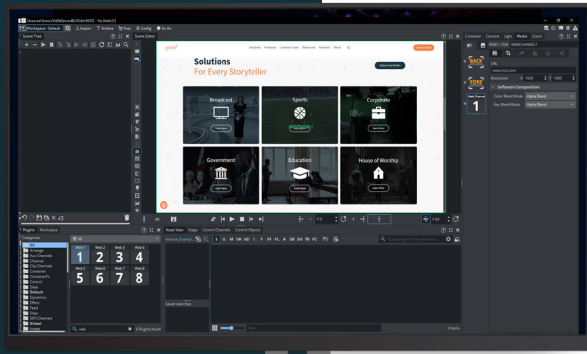
Scale up to 8k pixels video walls with a single Viz Engine while removing costly interconnecting third-party hardware. Keep pace with competitors in the 'bigger is better' video wall arms race; Serve hi-res graphics to an ever-higher-res canvas.



Adaptive Graphics™ with Transition Logic, plus Parallel Outputs: It's one scene for every screen.

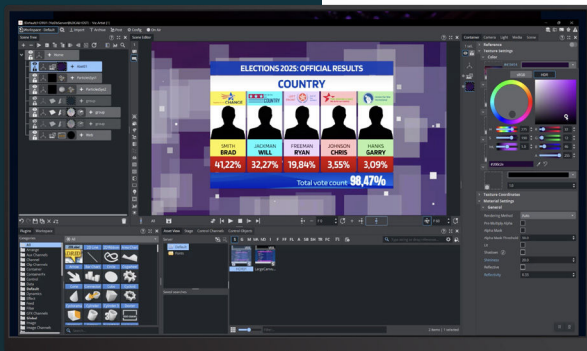
Adaptive Graphics, a Vizrt exclusive, is an automated way to deploy graphics to multiple output formats simultaneously, saving time, repetitive work, and resources. Get a better return on your existing investment in Viz Engine and Viz Artist by taking advantage of **Adaptive Graphics – now with Transition Logic**. Graphics with multiple elements not only adapt to a specified output format, but they also transition from one element to the next gracefully, without glitches or stops.

But that's only half of the story... Viz Engine lets you extend your ROI even further by serving your adapted graphics through a new **Parallel Outputs** feature to both Linear channels and OTT/Digital channels simultaneously.



HTML5 as a Media Asset: Unlock the power of Web graphics within Viz Engine.

A world of possibilities opens up when you combine Web graphics with the power and versatility of Viz Engine, such as personalization and data-driven visuals which allows for a more relevant and engaging experience for each viewer.

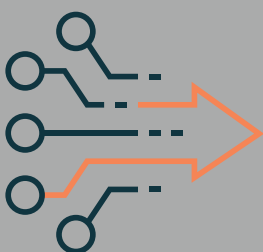


HDR graphics built for speed and ready for every screen.

As a Technical leader, you're likely embracing HDR video quality throughout the media supply chain. You can rely on Viz Engine to deliver HDR-compliant solutions that provide designers with an easier, faster way to prepare scenes that make use of the HDR spectrum. Defined color spaces, at the Scene level, grants access to the extensive brightness levels when delivering sports graphics highlights. You can look forward to better, richer looking graphics and delivering consistent, high-impact viewer experiences across multiple platforms.

Unlock Technical Simplicity. Unleash Creative Possibility.

Viz Engine delivers high-performance graphics with the flexibility and efficiency today's broadcast environments demand. Whether you're optimizing for cost, scaling infrastructure, or enabling world-class creative output, Viz Engine is engineered to elevate your entire production pipeline.



Ready to simplify

your graphics technology stack and empower your team to create more?



LET'S START THE CONVERSATION



About Vizrt

Vizrt® is the world's leading provider of innovative visual storytelling tools for media content creators in sport, broadcast, enterprise, and new media – unlocking the power of a story for all.

Vizrt offers market-defining software-based solutions for real-time 3D graphics, video playout, studio automation, sports analysis, media asset management, and journalist story tools.

Vizrt offers Flexible Access to our workflows, and our platforms integrate with third-party products because we believe in enabling our customers' success, giving them the right tool for the job, and accelerating their creative excellence.

More than three billion people watch stories told by Vizrt customers everyday including from sports and media companies such as PGA Tour, ESPN, TNT Sports, NFL, CNN, CBS, NBC, Fox, BBC, Sky Group, Al Jazeera, NDR, and many more.

