



BROADCAST-QUALITY LIVE VIDEO DELIVERY OVER IP

The Zixi Protocol, along with the complete award-winning Software Defined Video Platform (SDVP), is the most sustainable and cost-effective solution available for the delivery and management of high value, live IP video, providing the lowest total cost of ownership while enabling new content creation and monetization opportunities. It enables media organizations to ingest, distribute and manage broadcast quality live video across any IP network, any protocol, any cloud and any edge device with unparalleled performance, ultra-low latency, carrier-grade reliability, and state-of-the-art security at scale. The Zixi protocol is content-aware and optimizes bandwidth required substantially reducing egress costs while being network and congestion aware, ensuring reliable delivery. Its patented hitless failover technique performs DNA like re-sequencing algorithms to allow hitless failover between non-uniquely identified streams from multiple contribution points with missing packets on average

requiring 50% less bandwidth and 90% less compute while being 14x more port efficient and saving 50% on egress costs for the lowest total cost of ownership in the industry.

The Zixi Enabled Network of 1400+ media companies and over 400 integrated OEM and service provider partners rely on Zixi's software for media processing and delivery to production facilities, distribution partners, cloud infrastructure and globally connected edge devices creating powerful acceleration of new content acquisition, new business models, new opportunities to reduce cost and generate revenue. With over 15 years of experience, Zixi has grown to serve customers in over 120 countries representing most of the top media brands around the world, reliably delivering over 20,000 linear and live event channels every day and over 1,000,000 live events annually.

TOP MEDIA COMPANIES AROUND THE WORLD RELY ON ZIXI



The SDVP is the integration of five primary components. Modular by design, these high efficiency components flexibly enable extremely resilient delivery of broadcast-quality live video workflows, scaled on-demand, to be easily provisioned, deployed, managed and monitored while substantially reducing egress bandwidth and overall operating cost.



ZEN Master

ZEN Master is the unified cloud video orchestration and telemetry control plane in the SDVP. ZEN Master manages scale, provisions infrastructure, and centralizes end-to-end monitoring into operations optimized real-time dashboards. With ZEN Master and its live events manager, media organizations have the agility to dynamically manage sophisticated IP delivery, increase production speed and dramatically reduce operational overhead.

Zixi Broadcaster

Zixi Broadcaster is a universal video gateway that provides essential monitoring tools and core media processing functions that enable any source to reliably connect to any target destination. Zixi Broadcaster seamlessly bonds video over diverse networks and patented hitless failover guarantees always-on delivery in the most demanding operating environments while requiring fraction of the compute resources compared to other industry options.

Zixi Live Transcoding

An option with the Zixi Broadcaster, Zixi Live Transcoding integrates high performance live transcoding workflows into the delivery workflow. High performance GPU accelerated transcode workflows automatically detect changing content and delivery constraints and dynamically adjusts processing to maintain quality and latency priorities.

Intelligent Data Platform (IDP)

Leveraging highly trained machine learning algorithms and a sophisticated AI engine, IDP delivers multi object correlation analysis (MOCA) and automated incident responses enabling root cause analysis. IDP cuts through noisy alert messages, highlighting anomalous behavior and directing programmatic responses. Complex data is intuitively visualized and when incidents do arise, IDP identifies contributing factors, graphed time series KPIs and includes Zixi Blast Radius impact analysis.

Zixi Edge Compute (ZEC) and Zixi Protocol

ZEC provides enhanced end-to-end delivery and visibility, unlocking the full capabilities of the SDVP at the edge. Market leading performance, reliability and security are enabled with the award-winning Zixi protocol, while including support for over 18 industry protocols and containers delivering complete solution interoperability.

Modular with Flexible Engagement Models

The SDVP is easily integrated into any operating environment and is offered in two models, each suited to meet the needs of specific use cases:



SDVP Software Solution

Flexibly deploy only the components of the SDVP you need and scale on-demand within your own infrastructure environments.



Zixi-as-a-Service (ZaaS)

Delivers broadcast infrastructure as a service, enabling media companies and service providers to quickly ingest and distribute live video over any IP at scale. ZaaS includes all the capabilities of the SDVP with integrated cost optimized cloud infrastructure managed by Zixi.

ZIXI ADVANTAGES

Lowest Total Cost of Ownership

SDVP® combined with Zixi Protocol delivers lowest TCO in the market

Centralized Network Management

ZEN Master provides comprehensive orchestration and monitoring of your entire distribution network

Reliability

99.99999+% broadcast reliability with hitless failover for higher reliability and disaster recovery

Flexible Monetization

Utilizing ESNI/ESAM allows regionalization of content or blackouts enabling granular rights managements

Advanced Analytics, AI, ML

Comprehensive data aggregation, interpretation, and visualization to predict and alert on stream issues that are likely to occur.

Sustainability

On average SDVP requires 90% less compute resources and supports low power ARM processors

Interoperability

Zixi is compatible with the largest ecosystem of edge devices and cloud providers

Security

Best-in-class with DPDK OS Bypass, DTLS standards-based protection, encryption and password protection

6 Major Use Cases

• Universal Gateway

Empower distribution platforms to onboard live content at scale while managing variability in stream quality, formats and protocols

• FAST Channels

Enable the rapid launch, management and distribution of FAST Channels and seamless onboarding of channels from content partners.

• Satellite Rationalization

Replace or augment satellite transport for more flexible infrastructure, lower fixed costs, better visibility into stream data, and greater regionalization and monetization of content.

• Remote Monitoring and Cloud Operations

ZEN Master provides a single centralized browser-based virtual Control Plane to efficiently orchestrate, monitor and manage content over IP networks from any location.

• Video Delivery over 5G

Deploy video processing infrastructure in the 5G Mobile Edge and leverage 5G radio networks for untethered remote production, low latency backhaul and ubiquitous delivery.

• Multicloud with ZaaS

Provide redundant transmission options for high reliability and disaster recovery with ZaaS as part of a multi-cloud strategy.

For more information, please contact sales@zixi.com | www.zixi.com

Zixi provides the cloud based and on-premises Software-Defined Video Platform (SDVP®) that enables reliable broadcast-quality video delivery over any IP network, any protocol, any cloud provider and any edge device. The company offers technologies for broadcasters, enterprises, over-the-top video providers, sports leagues, service providers, cable operators and Telcos around the world, giving them the lowest TCO in the industry. Many of Zixi's clients are delivering and managing thousands of streams, and there is no other alternative in the market that can provide 99.9999%+ reliability at scale. Zixi simplifies building and managing congestion-aware live video routes on any network, with support for 18-protocols across any operating environment, with products that are purpose built to provide market leading performance, universal interoperability and an operational control plane that simplifies management and orchestration at scale. With 15+ years of innovation and expertise, the Zixi Enabled Network has grown to over 1400+ media customers and 400+ OEM and service providers that deliver 20,000+ channels daily, with 200,000+ deployed instances in over 120 countries, gathering over 9 billion data points a day while delivering over 1M live sporting events a year. This powerful ecosystem of the largest media organizations in the world exchanging live video allows for the creation and acceleration of new content acquisition, business models, and opportunities to reduce cost and generate revenue.