

BROADCAST-QUALITY LIVE VIDEO DELIVERY OVER IP

The Zixi Protocol, along with the award-winning Software Defined Video Platform (SDVP), is the most sustainable and cost-effective solution available for the delivery of live IP video. The SDVP 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. 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 algorithm to allow hitless failover between non-uniquely identified streams from multiple contribution points with missing packets on average requiring 50% less bandwidth and 95% less compute while being 14x more port efficient and saving 50% on egress costs for the lowest total cost of ownership in the industry. In addition, the SDVP also supports 17 other protocols and containers facilitating complete network interoperability.

The Zixi Enabled Network of 1000+ media companies as well 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 new opportunities to generate revenue. With over 15 years of experience, Zixi has grown to serve well over customers in 100+ countries representing most of the top media brands around the world, reliably delivering over 20,000 linear and live event channels every day and 100,000 live events annually.

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.

- 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.
- 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 Transcode**
 An option with the Zixi Broadcaster, Zixi Live Transcode 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.
- 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.

TOP MEDIA COMPANIES AROUND THE WORLD RELY ON ZIXI





Modular with Flexible Engagement Models

The SDVP is easily integrated into any operating environment and is offered in three 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.



ContentXchange (CXE)

Live Channel Service inclusive of Zixi facilitating content boarding, delivered with the full capabilities and cost efficiency of ZaaS and packaged to the specific requirements of your target destinations.

ZIXI ADVANTAGES

Centralized Network Management

ZEN Master provides a holistic view of your entire distribution network

Sustainability

On average SDVP requires 60% less compute resources and supports low power ARM processors

Reliability

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

Low Latency

Global low latency delivery without sacrificing reliability or quality

Advanced Analytics, AI, ML

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

Economical

Save up to 50% in egress bandwidth cost vs other industry options

Interoperability

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

Security

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

5 Major Use Cases

- Universal Gateway**
 Cost effectively facilitate universal contribution and distribution to/from affiliates and partners utilizing any protocol, IP network, cloud or edge device.
- Digital Supply Chain Processing**
 Monetize content in innovative ways to drive top-line growth with little incremental cost is essential for modern broadcasters.
- Satellite Rationalization**
 Replace or augment satellite transport for more flexible infrastructure, lower fixed costs, better visibility into stream data, and greater regionalization 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.
- Leveraging 5G and Mobile Edge Compute**
 Deploy video processing infrastructure in the 5G Mobile Edge and leverage 5G radio networks for untethered remote production, low latency backhaul and ubiquitous delivery.

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