



ZIXI AS A SERVICE FOR UNIVERSAL AGGREGATION & DISTRIBUTION

Simply Deploy Ultra Low Latency IP Transport Workflows with Zixi’s SDVP without Managing Infrastructure

PUBLIC CLOUD BACKUP FOR MULTI-CLOUD STRATEGIES

ZIXI ADVANTAGES

- **Centralized Management** – ZEN Master provides a centralized view of the entire Zixi-enabled contribution and distribution network
- **Security** – Best-in-class enhanced with DTLS and AES standards-based protection
- **Reliability** – Experience ~100% uptime with Zixi’s patent pending hitless failover that provides redundant transmission options for high reliability and disaster recovery
- **Ultra Low Latency** – With network adaptive forward error correction and recovery, proven millisecond live linear latency
- **High Availability** – Leverage the Zixi SDVP on Zixi as a Service to bond and load balance diverse internet or fiber circuits for increased high availability between facilities
- **Interoperability** – Zixi is compatible with the largest ecosystem of encoders and decoders and live video protocols

Zixi as a Service (ZaaS) provides broadcast infrastructure as a service, enabling media companies and service providers to quickly leverage IP to ingest and distribute live video with ultra-low latency, allowing the push or pull of live and live linear video into or out of the cloud. With this service broadcasters can easily scale to add new partners, leveraging ZaaS for video processing as well as the additional data, analytics, security and Quality of Service that professional broadcast requires. ZaaS allows media and entertainment companies to extend existing on-premises infrastructures and capabilities to the cloud, and with ZEN Master, the industry’s leading virtual control plane, users can orchestrate, manage and monitor broadcast quality, low latency live video workflows from anywhere in the world.

Leading with the Zixi protocol, the most robust and mature live video protocol in the industry, ZaaS also supports RIST, RTP+FEC, HLS, CMAF HLS, DASH, SRT and RTMP to provide the industry’s most universal solution for ingest and delivery across any IP network and edge device including over 400 integrated partners. The SDVP also includes transcoding, packaging, and CDN origin for OTT workflows, as well as Packet Identifier (PID) mapping allowing content to be normalized to certain encoding parameters with PIDs aligned to downstream workflows.

Complete Redundancy for Guaranteed Uptime and Multi-Cloud Disaster Recovery

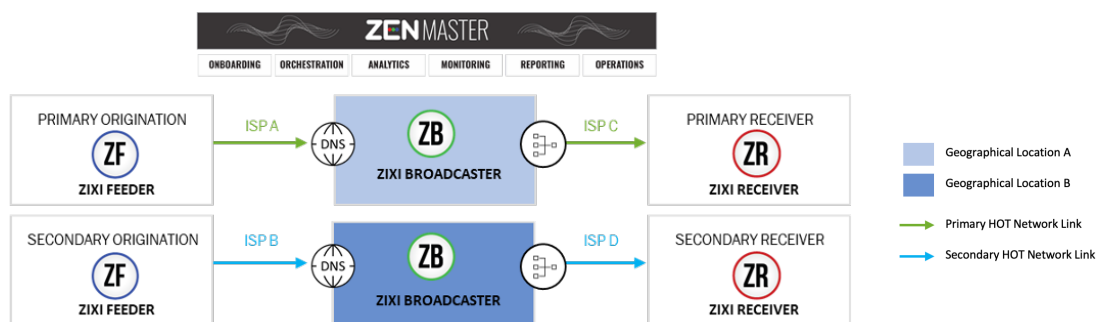
ZaaS provides a completely redundant video pipeline protecting against all failure scenarios, deployed in geographically diverse data centers and, on both the sending and receiving sides, Zixi software is connected to independent ISPs and employing hitless failover for maximum reliability.

ZaaS benefits content owners needing to efficiently syndicate and deliver live linear content to multiple affiliates, and allows providers needing to acquire that content from around the world in any protocol as well as normalize it to any encoding parameter and PID mapping. ZaaS also offers service providers needing to operate a fully managed content exchange platform for live linear video between content owners and consumers. Applicable for occasional use and live events, Zixi’s ZEN Master provides the ability to create a single “Dynamic” Pull Target that is automatically connected to multiple Zixi Receiver devices without needing to define the Target for each endpoint individually, allowing for easily syndicated distribution to multiple organizations.

An easy Solution for Seamless Delivery and Content Exchange

ZaaS benefits content owners needing to efficiently syndicate and deliver their live linear content to multiple affiliates, and allows those providers needing to acquire that content from around the world in any protocol as well as normalize it to any encoding parameter and PID mapping. ZaaS also benefits service providers who want to operate a fully managed content exchange platform for live linear video between content owners and consumers. Applicable for occasional use and live events, Zixi’s ZEN Master provides the ability to create a single “Dynamic” Pull Target that is automatically connected to multiple Zixi Receiver devices without needing to define the Target for each endpoint individually, allowing for easily syndicated distribution to multiple organizations.

ZaaS Full Redundancy Example Architecture





Managing Universal Aggregation and Distribution with ZEN Master

Centralized Management

- Access and manage local, remote and cloud-based devices from a single screen
- Supports multi-partner supply chains and the ability to remotely access and administer encoders and IRDs on ZEN Master connected networks
- Enable scheduling and automation
- Manage Zixi licenses and receive alerts
- Single Sign On integration with customer’s OAUTH2 based authentication system

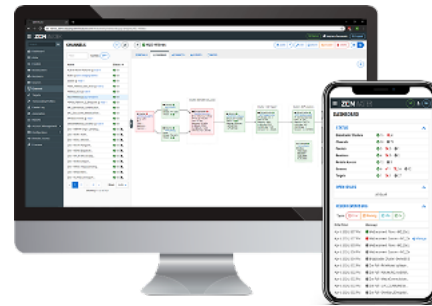
Enhanced Monitoring & Reporting

- User configurable grids for monitoring systems and stream components at scale
- Thumbnail and webRTC video monitoring
- Configurable reports such as uptime of all channels or specific sources, QoS, QoE, outage, assets and version control
- Geographical display of all systems and stream components
- Graphical and email-based alerts, event logs and history

Broadcast-Quality Reliability

- 99.999+%
- Patent-pending hitless failover
- Seamless multi-transmission IP bonding
- Machine Learning based ePSNR

ZEN MASTER



Global Operational Visibility

- Complete workflow and geographic visualization
- Low latency remote monitoring and management
- System monitoring of Feeders, Broadcasters, Receivers and all IP based workflow resources
- Network Analytics Transport Analytics (TR 101) visualization and history
- Content Quality Analytics visualization and history such as blank/frozen video and audio issues
- Business Impact Analytics visualization and history covering SCTE monitoring and logging from source to endpoint workflow

Available Service Tiers for Zixi as a Service

Features Included	Service Tier			
	Hosting	Hosting/ Onboarding	Hosting/ Onboarding/ Center of Excellence	Fully Managed Service
Customer has access to Zixi ZEN Master to onboard, manage, and monitor live linear streams	●	●	●	●
Zixi provides hosted, fully-featured Zixi Broadcasters with redundancy in two geographical regions	●	●	●	●
World class Zixi technical support by telephone, e-mail, and remote online access	●	●	●	
Zixi provides initial onboarding service and training to enable customer to quickly deploy live linear streams		●	●	
Zixi Center of Excellence knowledge transfer - An extension of the customer’s internal team, Zixi provides proactive automated stream monitoring, issue triage and resolution, and root cause reporting to the customer during the training period			●	
Managed services available from Zixi’s service provider partners, ask your Zixi representative for details				●

ABOUT ZIXI

Zixi provides a cloud based and on-premise Software-Defined Video Platform enabling the management, orchestration, monitoring, and delivery of broadcast-quality live and live linear video over any IP network, protocol, cloud provider or edge devices to broadcasters, enterprises, over-the-top video providers, and mobile service providers around the world. Over 15+ years, the Zixi Enabled Network (ZEN) of partners has grown to over 400+ OEM and service providers with whom Zixi serves well over 700+ customers representing most of the top media brands around the world with 20,000+ channels delivered daily. www.zixi.com | sales@zixi.com