REMOTE MONITORING & OPERATIONS WITH THE SDVP

MAINTAIN BUSINESS CONTINUITY WITH ZIXI'S SOFTWARE-DEFINED VIDEO PLATFORM AND ORCHESTRATE REMOTE WORKFLOWS
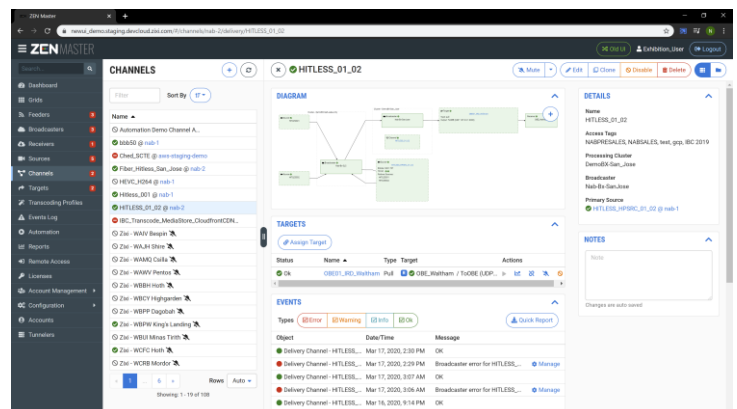
Zixi's Software-Defined Video Platform enables media and entertainment companies to migrate their workflow control points from on-premise infrastructures with local operational and engineering resources to remotely managed workflows that leverage existing infrastructures and extend those capabilities to the Cloud (public and private) while allowing the agility, flexibility, scale and security with the Quality of Service that professional broadcast requires.

By using Zixi's Software-Defined Video Platform and ZEN Master, the industry's leading virtual control plane, remote users can maintain business continuity and securely orchestrate, manage and monitor broadcast quality, low latency live video workflows from anywhere in the world.

REMOTE MONITORING & ORCHESTRATION WITH ZEN MASTER VIRTUAL CONTROL PLANE

For broadcast media engineers working remotely, visibility to and management of the video supply chain is key. Zixi's ZEN Master control plane gives a unified view to the IP media supply chain from content acquisition through media processing to delivery to social platforms, OTT targets and traditional IRDs across the distribution landscape.

As a SaaS model, ZEN Master enables remote orchestration, management, monitoring, analytics, reporting and automation across the Zixi platform with low latency, high uptime, superior quality resulting in the high Quality of Experience (QoE) consumers demand.

ZEN Master – Graphical Monitoring

SAMPLE REMOTE OPERATIONS AND MANAGEMENT USE CASES THAT ZIXI SUPPORTS

- Live studio contribution and signal acquisition

- Remote production and at home live streaming

- Provision live streams for editors

- Support remote directors, producers and graphics operators

- Live linear monitoring and system health maintenance

- Engineers can launch new workflows and set configurations from anywhere

- Remote NOC operations across global sources and delivery targets

- Remote workflow orchestration with telemetry across network, audio and video metrics

- Performance of Root Cause Analysis (RCA) across the media supply chain

- Visibility to IP workflows and signal paths across the organization from engineering to operations and executives

- Public and private Cloud based acquisition, traversal and delivery

- Ease VPN congestion while acquiring feeds securely with 99.999% reliability to the Cloud and open internet

- Optimize low latency regionally and globally

- Zixi protocol to traverse congested IP networks

- Zixi On Air app for remote contribution from mobile devices

MANAGING LARGE IP IMPLEMENTATIONS REMOTELY WITH **ZEN**MASTER

OPERATIONAL & TECHNICAL SCALABILITY

Management
- Centralized remote access for managing local, remote and cloud-based devices from a single screen
- Supports multi-partner supply chains
- Scheduling
- Automation
- Zixi license management and alerts
- Single Sign On integration for tying in with customers user authentication system, no individual AWS accounts required
- World Class Zixi technical support
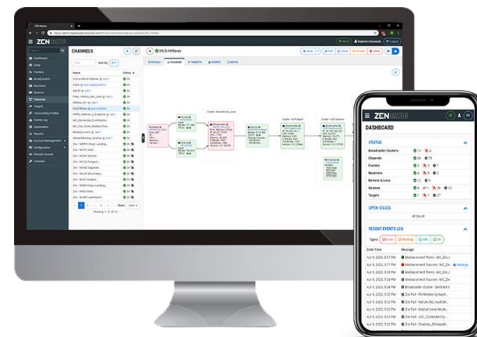
Orchestration
- Ability for users to remotely access and administer encoders and IRDs on ZEN Master connected networks

Monitoring
- User configurable grids for monitoring systems and stream components at scale
- Graphical and email-based alerts
- Event logs
- History
- Full ZEN Master API access

Reporting
- Configurable reports such as uptime of all channels or specific sources, QoS, QoE, outage, assets and version control

GLOBAL VISIBILITY AND RELIABILITY

Global Operational Visibility
- Graphical Interface designed for streaming video
- Thumbnail and progressive video monitoring
- Complete workflow visualization
- Low latency Remote Production Monitoring and Management
- System monitoring of Feeders, Broadcasters, Receivers and all IP based workflow resources
- Network Analytics visualization and history
- Transport Analytics visualization and history (TR101)

Reliability
- Hitless Failover at origin edge points
- Seamless multi-transmission IP bonding
- Orchestration of bonding between multiple IP paths
- Content Quality Analytics visualization and history such as blank or frozen video, audio issues, etc.
- Business Impact Analytics visualization and history covering SCTE monitoring and logging from source to endpoint workflow
- Machine Learning based ePSNR

ZIXI ADVANTAGES

- **Centralized Management** – ZEN Master provides a centralized view of the entire Zixi enabled contribution and distribution network

- **Security** – Zixi provides best-in-class security enhanced with DTLS and AES standards-based protection

- **Reliability** – Contribute source streams with 99.999+% broadcast reliability with hitless failover provides redundant transmission options for higher reliability and disaster recovery

- **Low Latency** – With network adaptive forward error correction and recovery, proven millisecond live linear latency

- **Interoperability** – Zixi is compatible with the largest ecosystem of encoding devices and contribution sources

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 14+ years, the Zixi Enabled Network (ZEN) of partners has grown to over 300 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. https://zixi.com/

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