

FULLY MANAGED DISTRIBUTION OF LIVE LINEAR CONTENT

CERBERUS TECH LEVERAGES ZIXI TO OFFER COST EFFECTIVE, FLEXIBLE AND SCALABLE VIDEO DISTRIBUTION SERVICES

AT A GLANCE

CERBERUS SOLUTIONS WITH ZIXI INTEGRATION

- **Network 1** - multi cloud 'always on' global distribution service that delivers live linear TV channels to global affiliates and channel partners
- **Livelink** - IP cloud teleport solution for moving content from source to destination without reliance on expensive, traditional infrastructure.

KEY FEATURES

- Cost effective fixed pricing for delivery to any region globally
- High availability global distribution network
- Best-in-class transport stream protection and optimization.
- Affiliate onboarding services
- 24/7 managed service (point to multipoint) and operational support
- Cloud-based video service, network monitoring and alerting
- Cloud-based transcoding services
- Zixi is activated by a license purchased through Cerberus
- Fully integrated with Zixi's ZEN Master

A RELIABLE AND COST-EFFECTIVE DISTRIBUTION SOLUTION

To deliver live linear TV services to global affiliates, content owners and broadcasters often need a cost-effective solution that can reliably replace or supplement traditional fiber and satellite delivery methods.

Whether it is used to replace satellite, to try new regions, to deliver services to affiliates in areas not covered by the satellite footprint, or just as a backup option, Cerberus Tech offers a cost-effective fully managed distribution service, based on best-in-class IP-based distribution technologies.

COMPLETE SERVICE PROVISION AND OWNERSHIP

From source to destination Cerberus Tech provides all hardware, engineering services, cloud platforms, on boarding, logistics, 24/7 management, monitoring and support.

Cerberus has been delivering its managed services using Zixi and other best-in-class cloud platforms for over 5 years with a 100% customer retention rate for ongoing services.

NETWORK 1 – ALWAYS ON GLOBAL DISTRIBUTION

Cerberus Tech's Network 1 is a multi cloud 24/7 'always on' global distribution managed service that delivers linear TV channels to global affiliates and channel partners.

To protect the content in transit, Network 1 uses Zixi's transport stream technology.

Network 1 allows customers to deliver their linear TV channels to all global affiliates ensuring higher than 5 9's availability and uptime to all partners. More flexible, scalable and cost effective than satellite and fiber, Network 1 and Zixi's joint solution offers secure, reliable transport, allowing content owners to focus on their business of creating content while knowing that their channel delivery is in safe hands.

LIVELINK – IP CLOUD TELEPORT SOLUTION

Cerberus Tech's Livelink is the ideal IP cloud teleport solution for moving content from source to destination without reliance on expensive, traditional infrastructure.

From news segments to sports coverage, special events or on-location activity, the world demands live content and Livelink delivers it.



FULLY MANAGED DISTRIBUTION OF LIVE LINEAR CONTENT

KEY ZIXI BENEFITS

- **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 sub 1 second live linear latency
- **Interoperability** – Zixi is compatible with the largest ecosystem of encoding devices and contribution sources
- **Centralized Management** – ZEN Master provides a centralized view of the entire Zixi enabled contribution and distribution network

ABOUT CERBERUS TECH

Cerberus Tech Ltd operates a truly global IP video delivery network, leveraging the very latest in technology to deliver content anywhere in the world. Whether it is the transmission of live content streams or 24/7 managed services, Cerberus Tech's vast expertise and commitment to cost-effective, reliable and future-proof solutions means that customers are in safe hands. <https://www.cerberus.tech/>

Contact: info@cerberus.tech

ABOUT ZIXI

Zixi provides a cloud based and on-premise software platform enabling the management, orchestration, monitoring, and delivery of broadcast-quality live and live linear video over IP and hybrid IP networks to broadcasters, enterprises, over-the-top video providers, and mobile service providers around the world. Over 10+ years, the Zixi Enabled Network (ZEN) of partners has grown to over 100 OEM and service providers with whom Zixi serves well over 500 customers representing most of the top media brands around the world with 10,000+ channels delivered daily. <https://zixi.com/>

Contact: sales@zixi.com

INTEGRATING BEST-IN-CLASS CONTENT DELIVERY TECHNOLOGIES

Cerberus provides a complete managed service solution, using best-in-class software and hardware technologies, including Ateme Titan, Open Broadcast Systems, and Zixi.

Its Network 1 and LiveLink solutions integrate the following Zixi components to ensure best-in-class resiliency:

- **Zixi Feeder** receives MPEG-TS over IP from an encoder or is integrated directly into an encoder and embeds the data into Zixi protocol to send to the Broadcaster.
- **Zixi Broadcaster** receives multiple feeds, either in Zixi protocol or in MPEG-TS over IP. The Zixi Broadcaster then provides the feeds it receives to a number of Zixi Receivers.
- **Zixi Receiver** requests the data from the Broadcaster, converts the Zixi protocol back into MPEG-TS over IP, and sends that out over a network interface or is integrated directly into a decoder device.

The flow from Zixi Feeder input to Zixi Receiver output is transparent for MPEG-TS packets.

Zixi transport uses a combination of content-aware and network adaptive forward error correction, error recovery, congestion avoidance, bonding of multiple transmission paths and dynamic feedback to control encoder bitrate, all at a minimal latency and with the security of AES-128/256 or DTLS.

With minimum overhead to physical bandwidth, this dynamic mechanism removes jitter, recovers and re-orders packets, smooths video delivery enabling the streaming of broadcast-quality video over any distance, while overcoming the varying network conditions of unmanaged IP networks including the public Internet.

SIMPLE STREAM CONFIGURATION, ORCHESTRATION AND MONITORING

As a ZEN Master Certified partner, Cerberus Tech solutions are integrated with **ZEN Master** for the simple configuration, orchestration and monitoring of the devices and appliances that are part of the video transport network.

ZEN Master provides a centralized global view of the entire network, while offering visual tools and analytics to configure, orchestrate, and monitor live broadcast channels and events.