

ZIXI-INTEGRATED CLOUD-BASED EDITING WITH VIMOND IO

VIMOND INTEGRATES ZIXI TO PROVIDE NEWS AND SPORTS CREATORS WITH REQUIRED FLEXIBILITY AND SPEED

AT A GLANCE

VIMOND SOLUTIONS WITH ZIXI INTEGRATION

- **Vimond IO** - cloud-based video editing tool for broadcasters and media outlets.

KEY FEATURES OF VIMOND IO

- Frame accurate - cut and splice anywhere.
- Collaborative (multiple simultaneous users)
- Easy, efficient workflow
- Adjustable audio tracks
- Voice-over capabilities
- Apply Graphic overlays - burned in
- Multiple output formats
- Fast to publish
- Auto-discovery of live inputs
- Multiple live ingests
- Works on any device – including Chromebook and Mac

TRADITIONAL NON-LINEAR EDITING AND VIDEO DISTRIBUTION CHALLENGES

Over the last decade high costs and immutable workflows have made traditional signal distribution through satellites almost obsolete for remote news gathering productions. Traditional Non-Linear Editing Systems (NLEs) are also unable to meet the needs of news and sports creators in the new media landscape, as they fail to provide the necessary flexibility, cost efficiencies, low maintenance and speed of an advanced SaaS cloud architecture.

VIMOND IO'S CLOUD-BASED VIDEO EDITING

Vimond has partnered with Zixi to provide a revolutionary cloud-based collaborative storytelling tool for broadcasters and media outlets, designed to meet the new requirements of efficient video production. Built by editors, for editors, Vimond IO's SaaS cloud architecture provides customers with the right flexibility, low maintenance and performance they require. With Vimond IO and Zixi, customers can achieve a quick turnaround for remote productions demanded by applications such as news and sports.

RELIABLE LIVE CAPTURING AND AUTO-DISCOVERY

Vimond IO can ingest content in three different ways: live capture, auto-discovery, and direct-upload. The Zixi integration provides low latency, content-aware, and network adaptive error corrected live ingest, allowing users to overcome the connectivity challenges that often occur with remote productions.

EDITED STORIES, HIGHLIGHTS, AND INTEGRATED GRAPHICS

Since Vimond IO is browser-based, editors can create stories using a standard browser anywhere on almost any device, while using a familiar layout with familiar functionality and features. Editing tools are consolidated into the browser environment without the need for additional software installations.

Using Vimond IO, editors can easily generate near real-time, frame accurate event highlights, including adding channel-specific branding to their videos with graphics elements such as animated lower-thirds, logos/bugs, and social media text overlays, and then publish the content straight to social media or the customer's Content Management System (CMS) or Media Assess Manager (MAM).

ENABLING LIVE BROADCAST-QUALITY VIDEO TRANSMISSION

KEY ZIXI BENEFITS

- **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 sub 1 second live linear latency
- **Interoperability** – Zixi is compatible with the largest ecosystem of encoding devices and contribution sources

ABOUT VIMOND MEDIA SOLUTIONS

Vimond helps broadcasters and content owners succeed in the modern world of television. Backed by powerful products and comprehensive experience, Vimond build flexible, modular OTT solutions, providing the platform for many award-winning "TV Everywhere" services, including Thomson Reuters, Comcast, Swedish TV4 Play, RiksTV and NRK in Norway, MTV in Finland, and C-More in Northern Europe. Vimond has also delivered revolutionary SVoD services for iflix in SE Asia. All of these companies are market leaders and rely on Vimond products for their online TV services. <https://vimond.com/>

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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>

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DEPLOYMENT OPTIONS

Content creators and broadcasters can benefit from Zixi's industry leading reliability to contribute mezzanine quality live video to Vimond's cloud using the following deployment options:

- **Zixi Broadcaster Option**– Customers with existing Zixi distribution workflows can deliver their live content directly to the Vimond IO AWS S3 bucket via the native HLS packager in the Zixi Broadcaster.
- **Zixi Feeder Option** – Customers without existing Zixi distribution workflows can deliver Zixi streams directly to the Vimond IO service using one of the many live broadcast encoders that already have Zixi built-in or by running the Zixi Feeder software side by side with their existing encoder.

Zixi software integrated into the Vimond IO service can also accept other live protocols including RIST and RTMP.

ENSURING RELIABILITY AND LOW BROADCAST-QUALITY AT LOW LATENCY

The 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.

INCREASING PRODUCTION EFFICIENCY WHILE REDUCING OPERATIONAL COSTS

Vimond customers can leverage ZEN Master, Zixi's stream orchestration and management system to manage large-scale deployments.

ZEN Master provides a centralized global view of the entire Zixi Enabled Network. ZEN Master offers visual tools and analytics to configure, orchestrate, and monitor live broadcast channels and events across the Zixi Enabled Platform, and gives partners and customers enhanced control and visibility over large complex networks.

