

Videon's Powerful Container-Based LiveEdge® Ecosystem Integrates Award Winning Zixi SDVP®

EDGE COMPUTING AT THE VIDEO SOURCE DELIVERS SUB-SECOND GLASS-TO-GLASS LATENCY FOR ULTIMATE USER EXPERIENCE

HIGHLIGHTS

VIDEON INTEGRATES ZIXI

Videon's scalable encoding container leverages Zixi to deliver broadcast quality, error free feeds over public networks

KEY FEATURES:

- Eliminate the need for purpose-built solutions
- Docker-based architecture for limitless possibilities
- Ultra-low-latency: 200ms to 2 sec glass-to-glass
- Cost-efficient options compared to traditional broadcast methods
- Cloud agnostic and extensible to adapt to future workflows.
- Remote management and native control options available on all devices
- Easy-to-use developer tools to build docker containers to address unique workflows
- Enabling faster go-to-market when compared to traditional methods
- Content protection from camera to the cloud
- Reduce on-site technical staff

ZIXI SUPPORTED PRODUCTS

- Zixi Supported Devices
 - LiveEdge® Node
 - LiveEdge® Max
- Zixi Supported Form Factors:
 - LiveEdge® 2Go Mini
 - LiveEdge® 2Go
 - LiveEdge® Rack

*Contact Videon for latest product updates

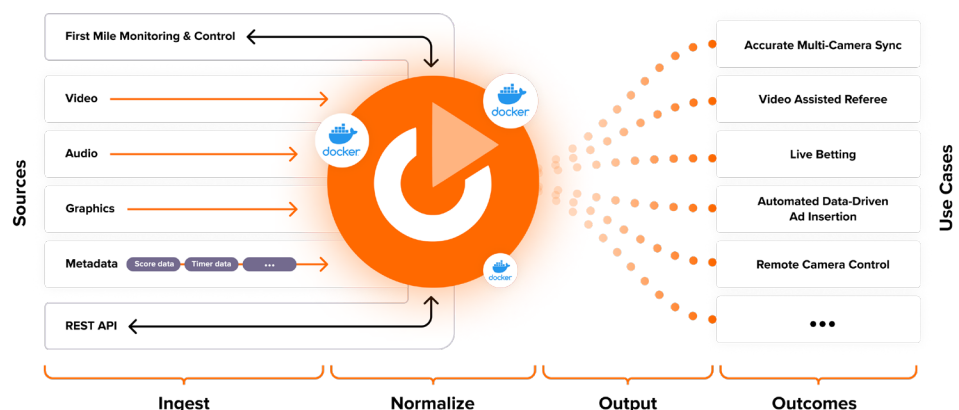
SCALABLE AND FLEXIBLE LIVEEDGE® ECOSYSTEM POWERS ULTIMATE WORKFLOWS

Videon is leading the live video revolution and making complex workflows simple by scaling feeds, optimizing, and consolidating necessary functions and eliminating those that aren't. LiveEdge® is a powerful container-based compute ecosystem which uses edge computing at the video source to deliver sub second glass-to-glass latency, enabling customers to dial in first-mile workflows in a building or in the field with the perfect blend of form and function whether on-premises or in the cloud. CTOs, product owners and live production teams are simplifying and automating first-mile workflows, adding and synchronizing video, data, graphics and advertising with simple cloud-based configuration. LiveEdge® works with any cloud provider, video platform, or format. Customers trust Videon with their business and love how LiveEdge® helps manage operational expenses, for live video from hundreds of venues worldwide every day.

SIMPLIFY FIRST MILE WORKFLOWS USING LIVEEDGE®

LiveEdge® simplifies first-mile workflows by normalizing and synchronizing live video, audio, graphics and data sources in real-time. LiveEdge® devices support the award winning Zixi protocol that user workflows require, starting with sub-second latency, enabling wide range of applications and use cases such as:

- **Ingest:** Live video, audio, graphics, and metadata, including proprietary and custom data.
(Examples: CAN data, Scoreboard data, Sports data, etc.)
- **Normalization:** Synchronize, and visualize data sources using native, 3rd party, or custom containers. (Examples: SMPTE-336, SCTE-35, Timestamp, DRM, Watermark, etc.)
- **Output:** Normalized feeds can be simultaneously output in multiple protocols including Zixi and customizable latencies, optimized for diverse use cases.
- **Outcomes:** Normalization unlocks a multitude of use cases, and empowers outcomes, from live betting to remote camera control.
(Example use cases: Live betting, localized graphics, Virtual Assistant Referee, etc.)



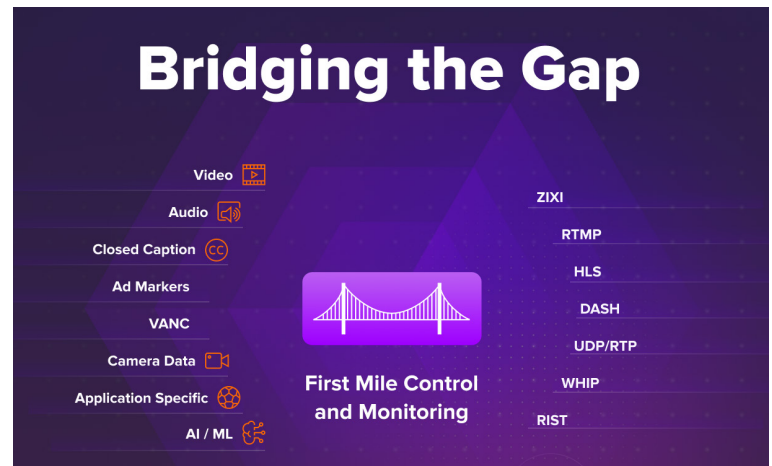
Videon's Docker based LiveEdge® Ecosystem powers a wide range of applications

VIDEON LEVERAGES THE ZIXI SDVP TO DELIVER ULTRA-LOW LATENCY FEEDS RELIABLY

With the integration of the Zixi protocol, LiveEdge® devices have access to the global Zixi Enabled Network allowing its users to reach a global network of media companies and partners. This native integration of the award-winning Software Defined Video Network (SDVP) allows reliable and secure delivery of ultra-low latency feeds over lossy and unreliable IP networks anywhere in the world while having access to key performance metrics throughout the network chain, giving operators complete visibility into the entire workflow. Users can deliver Zixi feeds natively to a Zixi Broadcaster for further processing or global distribution, eliminating any external conversion requirements further simplifying the workflows. Videon and the Zixi SDVP platforms effortlessly scales enabling a dynamic set of workflow requirements.

Videon's integration of Zixi into the platform allows content creators and distributors to leverage Zixi's industry leading video over IP technology proven with over 15+ years of experience and trusted by over 1000+ media customers in 100+ countries to deliver and contribute video to and from global markets via the cloud, and take advantage of unique features such as:

- **Bonded Delivery:** Combines disparate topologies including 5G, LTE, Leased Lines and Unmanaged Internet, dynamically adjusting for fluctuating bandwidth, network congestion, packet loss and latency differences
- **Network Efficiency:** Reduces egress costs up to 30% - 50% when compared to other protocols
- **Compute Efficiency:** Reduces compute costs up to 50% by utilizing highly efficient ARM based processors
- **Connection Validation:** Industry leading security including DTLS connection security and content encryption
- **Sequenced Hitless Failover:** An improvement on SMPTE 2022-7, applies Zixi optimized alignment algorithms to re-create a single coherent uninterrupted stream out of multiple stream fragments



Videon leverages Zixi Protocol to deliver ultra low latency feeds

- **Reliability:** Enhanced stream resilience with congestion aware routing and patented dynamic forward error correction (FEC)
- **Quality Optimized Delivery:** Quality optimized delivery with content aware bandwidth shaping



Watch the Video here: Configure Zixi Feeder via LiveEdge® Cloud Control

ABOUT VIDEON Videon is leading the live video revolution, scaling feeds, making complex workflows simple, optimizing and consolidating necessary functions, and eliminating those that aren't. Videon's LiveEdge® is a powerful container-based compute ecosystem using edge computing at the video source with sub-second glass-to-glass latency, enabling customers to dial in first-mile workflows, in a building or in the field, with the perfect blend of form and function, whether on-premises or in the cloud. CTOs, product owners, and live production teams are simplifying and automating first-mile work-flows, adding and synchronizing video, data, graphics, and advertising with simple cloud-based configuration. LiveEdge® works with any cloud provider, video platform, protocol, or format and supports nearly limitless use cases. Customers trust Videon with their business and love how LiveEdge® helps manage operational expenses - for live video from hundreds of venues worldwide every day. www.videonlabs.com

ABOUT ZIXI Zixi provides the cloud based and on-premises Software-Defined Video Platform (SDVP®) that enables reliable broadcast-quality video delivery over any IP network, any protocol, any cloud provider and any edge device. The company offers technologies for broadcasters, enterprises, over-the-top video providers, sports leagues, service providers, cable operators and Telcos around the world, giving them the lowest TCO in the industry. Many of Zixi's clients are delivering and managing thousands of streams, and there is no other alternative in the market that can provide 99.999%+ reliability at scale. Zixi simplifies building and managing congestion-aware live video routes on any network, with support for 18-protocols across any operating environment, with products that are purpose built to provide market leading performance, universal interoperability and an operational control plane that simplifies management and orchestration at scale. With 15+ years of innovation and expertise, the Zixi Enabled Network has grown to over 1000+ media customers and 400+ OEM and service providers that deliver 20,000+ channels daily, with 110,000+ deployed instances in over 120 countries, gathering over 9 billion data points a day while delivering over 100,000 live sporting events a year. This powerful ecosystem of the largest media organizations in the world exchanging live video allows for the creation and acceleration of new content acquisition, business models, and opportunities to reduce cost and generate revenue.

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