

# Lumen<sup>®</sup> Vyvx<sup>®</sup> Broadcast Solutions

Reliable, Low-Latency Video Transport for Live Media Broadcast, Sports, and Events.

*When it's Video, Vyvx it.*

Vyvx Broadcast Solutions deliver secure, high-quality video transport solutions tailored for studios, broadcasters, live media post-production and feed enrichment facilities, and live event venues. Built on Lumen's extensive fiber and edge network, Vyvx enables seamless, low-latency transmission of critical video content, supporting both dedicated and occasional-use workflows.

With rapid activation, robust security, and 24/7 support for major broadcast standards, Vyvx integrates with cloud providers and existing media infrastructure. Live Media production teams benefit from scalable bandwidth, end-to-end monitoring, and specialized support, empowering flawless live broadcasts and streamlined content distribution.

**Vyvx is a trusted partner for all your video transport services.**



"As the broadcast home of the NFL in Germany, one of the sport's most dynamic markets outside the U.S., we are committed to innovation with the ultimate goal of delivering cutting-edge viewing experiences that help grow the NFL's fan base in Germany. The powerful integration between Lumen and LTN makes it simple for us to gain mission-critical, dependable connectivity into iconic stadiums while delivering engaging and unique coverage for our fast-growing audience."

**Jens Schmitz**

Head of Sports Production, RTL Deutschland

## Low Latency Video Transport

Vyvx's signature low latency supports minimal delay and consistent quality, to help minimize risk for high-stakes broadcasts and enabling reliable, scalable content delivery, with around the clock support, allowing remote production staff and on-air talent to collaborate as fluidly and efficiently as if they were in the same room.

## White Glove Integration

Vyvx partners with traditional and cloud partners to seamlessly deliver production, enrichment, and monetization services. The platform also integrates with major broadcast standards and studio environments, supporting HD-SDI, MPEG2/4, JPEG 2000, JPEG XS, SRT, RIST, and Zixi. This simplifies the connection between on-premises, cloud, and edge resources, to help streamline hybrid and distributed production.

## Real-Time Monitoring & Security

Vyvx provides end-to-end service monitoring, proactive notifications, and AES-256 encryption. Production teams benefit from timely alerts and robust protection for sensitive, pre-release content, enabling secure and flawless delivery.

## Cloud-Ready Workflows

With 100+ cloud on-ramps, Vyvx enables direct, private access to leading hyper scalers (AWS, Azure, GCP, Oracle) for Live Cloud Production. This supports hybrid, software defined workflows, remote editing, and rapid scaling for temporary or burst production needs.

## Rapid Provisioning & Dynamic Scalability

Self-service tools allow instant activation, bandwidth scaling (10 Gbps to 100 Gbps), and usage monitoring. Teams can quickly respond to changing project requirements, pay as they go, and virtually eliminate manual circuit management.

## Common use cases

- Live sports video transmission from stadiums and event venues to control room.
- 24/7 news and media distribution for continuous coverage.
- Temporary or occasional event connectivity for special broadcasts.

## Features and Specs

### Essential capabilities

- Dedicated video transport with low latency
- 24/7 specialized broadcast transmission support
- Scalable bandwidth options from 10 Gbps to 100 Gbps
- Integration with major broadcast and studio standards (HD-SDI, MPEG2/4, JPEG 2000, JPEG XS, SRT, RIST, Zixi) IPv4 /30, /29, /28 LAN & WAN Blocks
- Real-time monitoring and proactive notifications IPv6 /64, /56 LAN Blocks
- 100+ cloud on-ramps for hybrid and live cloud production (AWS, Azure, Google, Oracle) Symmetric bandwidth options (1 Mbps to 100 Gbps)
- Delivering rich media content to more than 600 markets in more than 60 countries and over 240 professional and college venues
- Configurable VLAN IDs and support for IPv4/IPv6 addressing

## Control and Support

### Security and service

- AES-256 encryption for secure content delivery
- Built-in DDoS protection and managed network services
- Real-time detection and mitigation of volumetric DDoS attacks
- Network edge threat interception powered by Black Lotus Labs
- 24/7 technical operations center and expert support
- Online service management and self-service portal for quick provisioning and monitoring

## Innovative Leader in Live Media



### Team members Emmy Awards

2015 - Women World Soccer Event - Canada  
2019 - Women World Soccer Event - France  
2020 - National Football Championship - Tampa

### Company Emmy Award & Nomination

2008 - Excellence in Broadcast Services  
2018 - Men's World Soccer Nomination

## Why Lumen Vyx® ?

Lumen® Vyx® Broadcast Solutions provide video acquisition, distribution, and ongoing specialized support for major media companies, supporting live sports and 24/7 news cycles. The services offer low-latency, high-capacity video transport on a secure global network, with flexible options for fiber and satellite transmission.

Lumen® Vyx® Broadcast Solutions, a leading global provider of broadcast video contribution and delivery solutions, is celebrating over 35 years of Emmy award-winning service. The portfolio includes managed broadcast quality video, internet video and ethernet video transport, linear channel distribution, cloud connect service to Google and AWS, VenueNet professional and college sports services, and teleport satellite services.

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