



# Data sheet: Lumen<sup>®</sup> Vyvx<sup>®</sup> Internet Transport

Next-level SRT & RIST-based video transport solution

Vyvx<sup>®</sup> Internet Transport is designed to connect two or more endpoints for the purposes of delivering secure, low latency and reliable broadcast quality video over the public Internet. Vyvx<sup>®</sup> Internet Transport supports the latest protocols, primarily SRT, but also RIST, Zixi, and others. These protocols provide live and recorded video over the Internet while accounting for packet loss and jitter, maintaining the integrity and quality of the video.

Feeds can traverse the Vyvx<sup>®</sup> award winning network to/from the public Internet or solely across the Internet. Customers can use their existing internet connection or Lumen's award-winning internet services. Vyvx<sup>®</sup> Internet Transport can be bundled with other Lumen and Vyvx products including MVNS, Encoding, Broadcast Fiber Teleport & Satellite Services, VenueNet, Media CDN, Linear Channel Distribution, and Cloud Connect Services.

## Benefits

### Reliability

Protects against jitter and packet loss from public networks to enhance the viewing experience.

### Low Latency

Leveraging the extensive reach of the Lumen internet backbone, transmission latency is optimized across access and core network infrastructure.

### Security

Delivery of content across Vyvx<sup>®</sup> Internet Transport is protected from unauthorized reception utilizing widely trusted AES 128/256-bit encryption methods.

### Firewall Traversal

Protocol handshaking methods leveraged by Vyvx<sup>®</sup> Internet Transport support outbound connection requests that eliminate the potential risks associated with having Internet-facing ports permanently opened in a firewall allowing for a simple yet secure implementation.

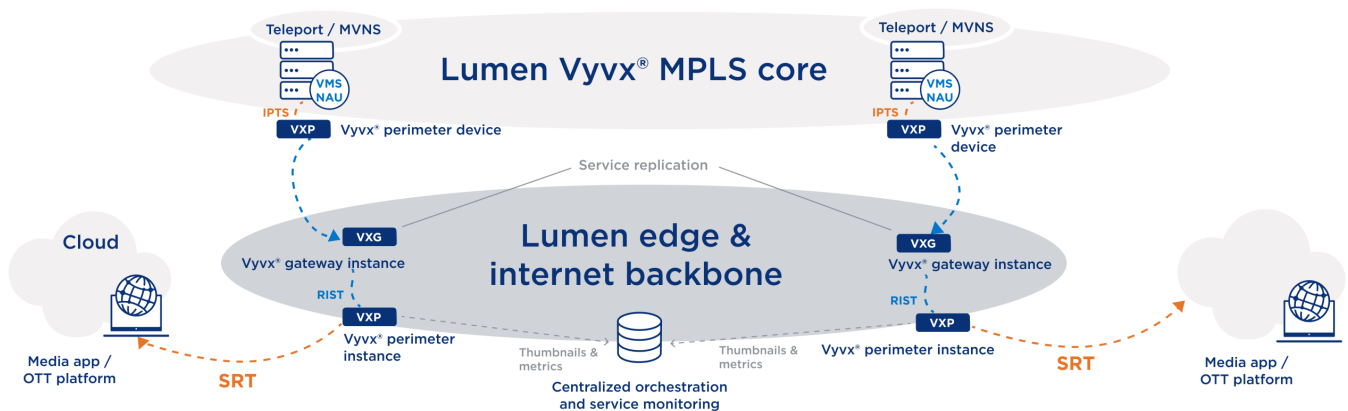
## Key features

Lumen Vyvx® Internet Transport key features include:

- Packet loss recovery through advanced low latency retransmission protocols including SRT, RIST, etc.
- End-to-end security with AES 128/256-bit encryption
- Video and audio feed timing recovery
- Network health monitoring between endpoints (packet loss, latency, jitter)
- Simplified firewall traversal

## Applications

Vyvx® Internet Transport can be used for remote sporting events, news, OTT and other applications. Finally, these feeds can be packaged with Vyvx® Cloud Connect that delivers full-time channels and occasional-use content straight to Google Cloud, AWS or Azure for easy, reliable broadcast-quality end-to-end workflows. See below for an example of such a configuration:



## Why Lumen?

From content acquisition to encoding, distribution and security, Lumen's end-to-end solutions for media companies can help you deliver secure and lightning-fast experiences to your audiences, all from a single provider. Benefiting from more than 30 years of experience building technology for some of the largest global enterprises, Lumen today serves nine of the world's ten largest media companies.