

Increase Throughput to Enhance Your Operations and Cost-Efficiency

Synamedia's vDCM Multiplexer is a comprehensive, high-performance stream processing platform. Serving as either an initial multiplexer, remultiplexer or central stream processing gateway, the highly reliable vDCM Multiplexer covers the full range of stream manipulation functions.

Easily scalable with an intuitive user interface, the vDCM Multiplexer simplifies initial configuration and day-to-day operations. The platform supports IP and ASI (appliance version) input and output formats, so you can easily integrate it with existing and new future-proof setups. Suitable for any infrastructure, vDCM Multiplexer is designed to run on-premises as a software-defined appliance or on a public cloud or private cloud to give you utmost flexibility.

Most Comprehensive Coverage

Synamedia's vDCM multiplexer is the industry's most comprehensive stream processing platform. It covers all stream manipulation functions at the transport and elementary stream levels, including PSI/SI table generation, external table carouseling or passthrough, PID remapping, and automatic blackout switching.

Leveraging Synamedia's unique next-generation statistical multiplexing algorithm, the platform precisely optimises bandwidth allocation across all channels and over time. vDCM Multiplexer also supports ad or program splicing when combined with Synamedia's vDCM Splicer.

With an availability rate of 99.999%, vDCM Multiplexer incorporates Synamedia's multi-layered approach to provide redundancy at the device, transport stream and service levels.

Combining high reliability for mission critical tasks with extraordinary ease of use, vDCM Multiplexer is a cost-effective offering for your processing operations.

Take your Business to the Next Level

Covering all processing functions – from grooming/multiplexing, through encoding and transcoding, to packaging and IP transport – vDCM is a software-centric application on a single converged platform. Featuring advanced video and audio codecs while supporting all ABR streaming and packaging formats, vDCM boosts your business in multiple ways.

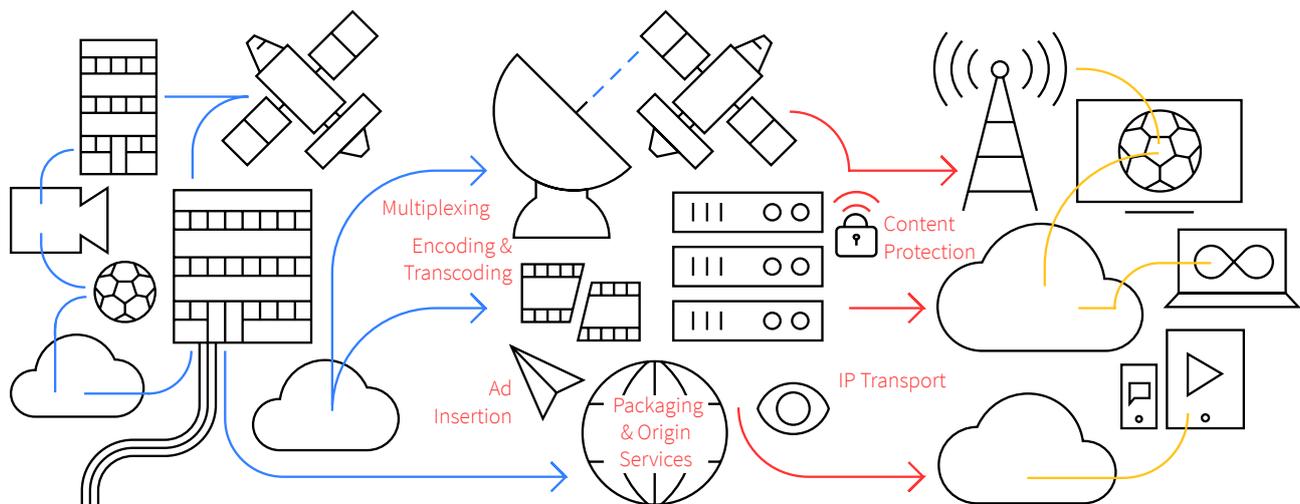
At the heart of Synamedia's video network portfolio, vDCM optimises bandwidth usage and latency to deliver true live personalised video experiences in pristine quality. With a 20-year proven track, the end-to-end vDCM platform enables you to build highly dependable and available workflows for 24/7 processing. Offering the industry's richest feature set, Synamedia's market-leading vDCM is a scalable service that you can trust.



Highlights

- Supports ASI/IP inputs and outputs as well as ASI-to-IP conversion
- Delivers throughput up to 20 Gbps
- Covers all stream processing use cases
- Enables advanced real-time monitoring and configurable alarms
- Offers 24/7 reliability with advanced redundancy, including transport stream and service level backup

Video Network Chain



Features and Benefits



Ensure efficiency at all levels

- Delivers high throughput stream processing to increase operational efficiency
- Analyses encoder buffering levels to optimise bandwidth usage and cross-channel allocation through statistical multiplexing operations
- Centralises operations via Synamedia's Video Service Manager (VSM) to eliminate repetitive configuration work



Maintain full flexibility

- Chooses among multiple on-premises and cloud deployment options to optimise costs
- Supports IP, ASI, and ASI-to-IP conversion with ZIXI, SRT and RIST support
- Addresses wide range of stream processing use cases to handle simplest-to-most-complex multiplexing scenarios
- Employs flexible licence model to scale easily and add functions



Easily manage business-critical operations with peace of mind

- Activates comprehensive real-time monitoring tools and configurable alarms to control operations
- Leverages advanced, configurable redundancy schemes and forward error correction (FEC) capabilities to address unexpected events
- Utilises intuitive user interface to configure stream manipulations and set up dynamic rules easily

About Synamedia Video Network Solutions

Synamedia's video network solutions enable media, web and pay TV providers to deliver pristine-quality broadcast and broadband video securely over any network to any screen. Anchored by the industry's most comprehensive processing platform and built with high-quality standards, our solutions ensure outstanding performance and reliability for over 1,000 customers worldwide. Synamedia's solution portfolio covers the entire video network chain – from distribution, through processing, to delivery – enabling you to offer outstanding value-added and personalised experiences while saving costs.

Next Steps

Learn more about [Synamedia's video network solutions](#).

For more information, [contact us](#).