Maximize ROI on Your Existing QAM Architecture While Moving to DOCSIS 3.1/4.0

Cable multiple system operators (MSOs) traditionally have desired operational separation between HSD- and QAM-based video networks. Synamedia's Virtualized Cable Access solution enables you to maintain independent control of QAM-based video networks as you move to DOCSIS 3.1/4.0 to create higher-tier DOCSIS gigabit bandwidth opportunities. With Virtualized Cable Access you can provide Gigabit Ethernet (GbE) services, while maximizing existing QAM video infrastructure at the edge of the network.

Utilize existing network components to leverage Distributed Access Architecture

Virtualized Cable Access integrates with legacy video controllers and session resource managers to ensure synchronization of video configuration with CableLabs' Distributed Access Architecture (DAA) nodes. Built on CableLabs' DAA-static pseudowire specifications, the solution comprises two components that support its two primary functions – DAA node control and DEPI forwarding. By working with widely deployed and trusted products, Virtualized Cable Access offers you operational independence. Built on Synamedia VSRM and vDCM platforms, the solution maintains a proven track record with over 15 years of deployments worldwide.

Automation from the start

Virtualized Cable Access leverages Synamedia's Command Center automation to minimize disruptions resulting from node deployment, operational enablement, and ongoing maintenance and monitoring.

A proven and operationally familiar solution, Virtualized Cable Access enables you to avoid costly outages. As a result, video operations teams confidently can maintain control of their video delivery network by separating operations from DOCSIS operations.

Highlights

- Operates in any QAM-based video system independent of conditional access system

- Easily configures with standard interfaces to connect with external servers and resource managers

- Runs independently in Synamedia's Aux Video Core Controller (AVCC)-only mode or Edge Resource Management (ERM)-AVCC combination mode to add AVCC function to a deployed VSRM serving as a switched digital VOD server and/or ERM

- Simplifies node configuration by exclusively using the Generic Control Protocol (GCP)

- Compliant with all relevant CableLabs RPHY and FMA specifications for static pseudowires (e.g. DEPI L2TPv3 control plane is not required for static pseudowires)
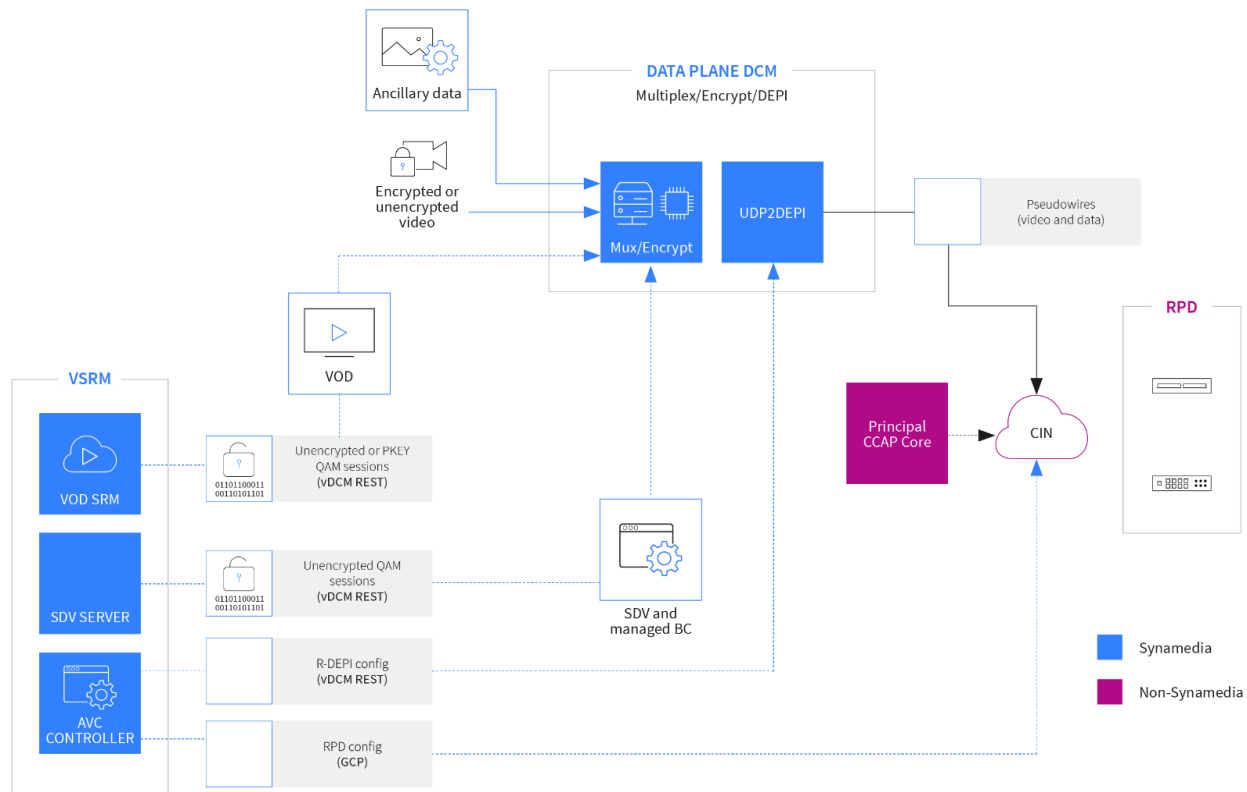
Features and Benefits

Enjoy operational familiarity

- Build on over 15 years of Synamedia VSRM and vDCM deployments worldwide to operate with confidence
- Leverage experience with configuration management, UI, ongoing operational tasks, and solution management

Provide single source of truth

- Integrate with VSRM to offer a single source of truth for service groups, QAM channels, and resource management
- Reduce "swivel chair operations" between systems to synchronize controller and session resource management

Increase operational flexibility

- Scale and optimize independent control plane and data plane
- Meet CableLabs' static pseudowire specifications

Take advantage of multi-vendor integration

- Integrate with Cisco, Harmonic and Vecima's RPD
- Integrate with Harmonic RMD

About Synamedia

Synamedia delivers, enriches, and protects video. Our cloud-native and SaaS solutions empower customers to scale and monetize video services efficiently, ensuring low-latency delivery and exceptional image quality. Our Video Network portfolio includes video distribution, streaming, Edge CDN and multi-CDN management, monetization, ad insertion, cloud DVR (cDVR) and time-shift TV, video compression and processing, and cloud and IP transition.